CLEAN ROOM

PHARMABLOCK devices and systems for the management of clean room doors

Cabling systems for immediate installation

with technology

Click & GO ZERO TIME®

with structured and pre-cabled WIREX cables,
fitted with 8-pole RJ45 quick connection plug

Export Product-list

PROFESSIONAL ELECTRICAL LOCKS

DOOR MANAGEMENT SYSTEMS

ACCESS CONTROL SYSTEMS

products of excellence only

45 years of top solutions in the professional security sector

Past, present and future...
all in Tecnodimensione style

TECNODIMENSIONE

security with style

8LPWGB-0124

CLEAN ROOM

EXPORT PRODUCT LIST

Click&Go 2024

STRUCTURED CABLING

Cabling systems for immediate installation
with structured and pre-cabled WIREX cables,
fitted with 8-pole RJ45 quick connection plug
for small-medium range connection networks.

Insert the plug connector... snap it in place...
that's all you need for a perfectly working system...

Click&Go!

TECNODINAMENSIONE
security with style

DOOR MANAGEMENT SYSTEMS

ACCESS CONTROL SYSTEMS

PROFESSIONAL ELECTRICAL LOCKS

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45 years of top solutions in the professional security sector

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TECNODIMENSIONE

security with style

CONTENTS OF THE PRODUCT-LIST "Click&Go" 2024

Ultra narrow and mini compact devices
whit "Click&Go" ZEROTIME technology

Professional Tecnodimensione® products

Devices for systems "Clean Room" with structured and pre-cabled WIREX cables, fitted with 8-pole RJ45 quick plug wiring technology, for small-medium range connection networks.

45 years of top solutions in the professional security sector

products of excellence only

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DOOR MANAGEMENT SYSTEMS

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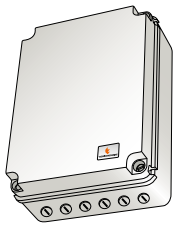
PHARMATRONIX Series

Microprocessor-based

is the brains behind the management of clean room doors



PHARMATRONIX
Microprocessor-based with quick fitting 8 pole RJ45 plug to simplify installation and wiring
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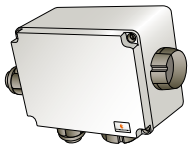

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SLIM & MODULAR Series

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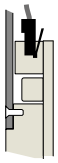
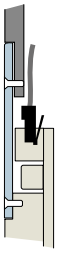
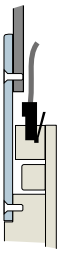


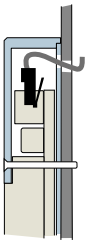
1 **fully aligned concealed**



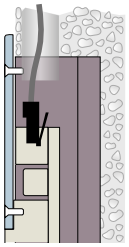
2 **fully aligned at milling**



3 **for conventional flush mounting**



4 **for surface mounting**



5 **for recessed wall-mounting**

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for multiple independent controls

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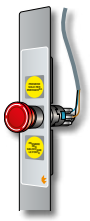

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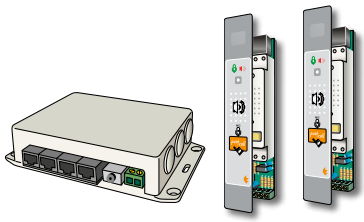

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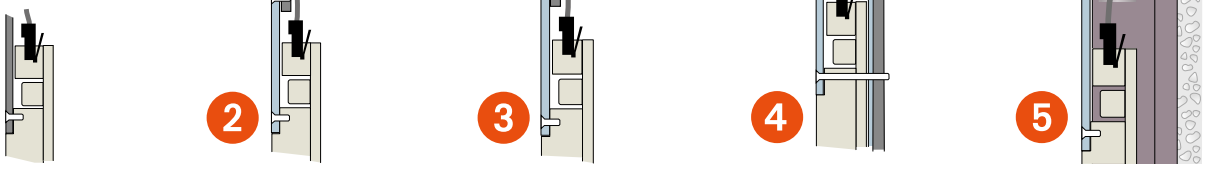

1 fully aligned concealed

2 fully aligned at milling

3 for conventional flush mounting

4 for surface mounting

5 for recessed wall-mounting

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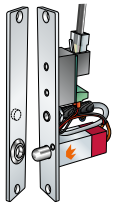

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Electrical drop bolts
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plug to simplify
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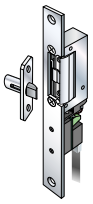

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No cutting
the frame...
no work on internal
frame grain!

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No cutting
the frame...
no work on internal
frame grain!

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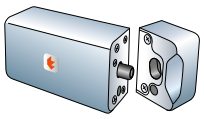

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Mini-electrical drop bolt ideal for applications on any type of door frame.
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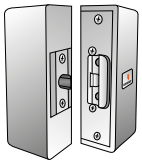

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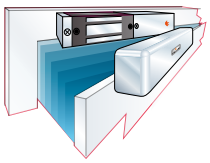

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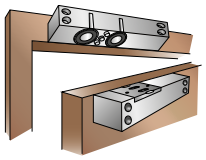

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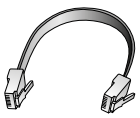

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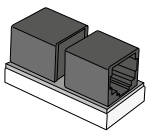

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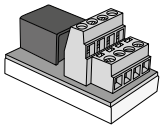

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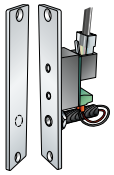

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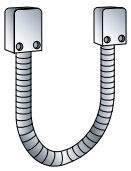

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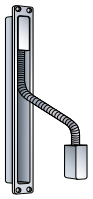

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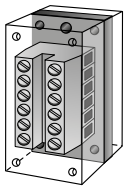

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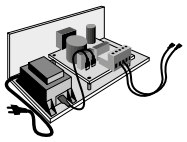

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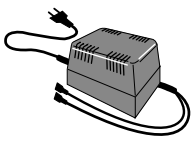

MICRO-POWERBLOCK
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The illustrations and technical specifications are furnished for your information.
The manufacturer reserves the right to modify the devices and systems, at any time and without previous notification, as he sees fit in order to improve their performance or for any other valid business need.
The name and trademark TECNODIMENSIONE®, and the names Dualblok®, Bluelock®, Redlock® and Regoplus® are registered trademarks and of exclusive property of DALMIGLIO S.r.l.
(Tecnodimensione® Department)

This is a partial description in English of our warranty terms. In any case and for any reasons the complete and valid sales&warranty terms are those written at the following page in Italian language that exclusively regulate all our sales and supplies.

WARRANTY

The products Tecnodimensione,of our company Dalmiglio S.r.l., such as electrical locks, locks and/or related components and devices carry a two-year guarantee from the date of installation and in any case shall be for not more than 30 months from the date of shipment (date of our packing list and/or our invoice).

As regards components not manufactured by ourselves, our liability is limited to the guarantee given to us by our supplier. It is up to the purchaser to prove defects and shortcomings of any kind.

This warranty applies only when the locks and devices are powered with one of Tecnodimensione's power control units or with proper approved equipment, when installed by specialised operators, in accordance with the instructions, using proper mounting kits, with wiring systems that meets the regulations in force, and kept free from surface rust and dirt and positioned and serviced in respect with the limits fixed by specific data sheets and/or instruction manuals.

In any case the products must be only utilised for the purposes only for which are intended as described in the application notes.
Any application not expressly indicated or authorised is considered misuse.
The warranty does not apply to products which have been damaged, mistreated, modified, misused, or subjected to neglect or abnormal use and/or storage, and damaged by natural wear, unprofessional or negligent treatment, chemical, electro-mechanical or electrical influences.

In no case and for no reason do we assume any responsibility for incidental or consequential damage arising from defective products, failure or lack of operation of systems and/or components whether during the warranty period or when the warranty has expired. To all effects it is to be excluded that any components, devices and/or systems are considered a substitution of an insurance policy. Our sole liability shall be to repair or replace, according to our discretion, defective parts which shall be sent to us at the expense of the purchaser who will also bear the cost entailed for the return of the goods.

The following parts are not included in the warranty: lamps, fuses, coils, glass, gaskets, batteries, and all parts subject to the normal wear and consumption. All costs and responsibilities related to transportation, procedures and also for specific documentation, labelling, tests, approvals and/ or homologations, if required, from the moment of exportation/importation and thereafter, are exclusively the care of the importer.

In no case whatsoever can reduction of prices or cancellation of order, be requested by the customer. It is implicitly understood that the importer has the full capability to arrange the correct installation, start-up, servicing and all the necessary and proper ancillary procedures for the correct use and function of the products, devices and complete systems; for this reason also, Tecnodimensione will not carry out any technical intervention abroad, even with payment.

All information, suggestions, instructions and assistance, is provided by our technical department in Gorgonzola (Milano), Italy, within the framework and following the procedures available to us and when contacted by specialised installers.

Place of Performance and Jurisdiction

The place of performance and jurisdiction as regards direct or indirect disputes, also applying to legal suits in relation to bills of exchange and cheques, is Bergamo, Italy. We are also entitled to institute proceedings at the purchaser's location. Only Italian law shall be apply, foreign law shall be excluded.

BASIC TERMS

Packing:	for normal shipment included
Delivery:	ex our works (Gorgonzola - Milano - Italy)
Delivery time:	normally 1 week or 20 working days (according with our standard models and required quantities). Special requirement has to be programmed accordingly.
Payment:	1) in advance with the order (3% discount) 2) net by irrevocable and confirmed letter of credit, fully negotiable by our Italian Bank
Shipment:	by "fast post" or truck (in Europe) by other ways to be defined (for international deliveries)

For all others sales and warranty terms, are exclusively applicable our general sales and warranty conditions that are fully and tacitally accepted by you at the moment of your order.

CONDIZIONI GENERALI DI VENDITA

Ogni committente, nel passare ordinazioni, accetta implicitamente tutte le condizioni sotto esposte.

RISERVATO DOMINIO

1) Le merci sono vendute con patto di riservato dominio sino al totale pagamento del prezzo pattuito.

2) L'inadempienza nel pagamento provoca decadenza delle eventuali condizioni di pagamento rateali rendendo esigibile immediatamente l'intero importo residuo dovuto, con diritto per il venditore di esigere l'immediata restituzione del bene.

3) Le somme incassate costituiscono indennizzo ed a tale titolo vengono trattenute dal venditore senza pregiudizio del totale risarcimento dei danni e spese.

PREZZI

4) I prezzi si intendono per merce resa franco nostro magazzino di Gorgonzola (MI).

5) Qualsiasi aggravio derivante da fluttuazione dei cambi, variazione del regime doganale, tributario, contributi, salari, materie prime, riforme monetarie o comunque da altri fattori imprevedibili, sarà addebitato all'acquirente mediante variazione proporzionale del prezzo della merce da consegnare. Faranno in ogni caso fede i prezzi in vigore alla data della consegna.

TRASPORTI

6) Salvo speciali accordi scritti in contrario, le spese di trasporto a destino e qualunque altra spesa o tassa che dovesse gravare sulle merci sono a carico dell'acquirente.

7) La merce, con qualunque mezzo inviata, anche se franco di porto, viaggia sempre a rischio e pericolo dell'acquirente.

CONSEGNE

8) I termini di consegna della merce non sono impegnativi e sono subordinati alle possibilità della produzione e di inoltro da parte della venditrice.

9) La data di consegna indicata in conferma d'ordine può essere comunque ulteriormente prorogata per casi di forza maggiore.

10) È in ogni caso esclusa una qualsiasi responsabilità per danni a carico della ditta venditrice in conseguenza di ritardata o parziale consegna della merce.

PAGAMENTI

11) Tutti i pagamenti devono essere effettuati presso la nostra Sede di Treviglio (BG). Assegni saranno accettati salvo buon fine. Effetti cambiari o ricevute bancarie non costituiranno novazione. Gli agenti non sono autorizzati agli incassi, salvo esplicita e regolare delega scritta.

12) Non sono accettati arrotondamenti rispetto all'esposto in fattura.

13) Sui pagamenti, ritardati, salvo ogni ulteriore diritto della venditrice, verranno conteggiati gli interessi di mora al tasso bancario vigente.

14) In caso di ritardato pagamento, il fornitore si riterrà esonerato dal prestare la garanzia sui prodotti forniti, riservandosi altresì il diritto di sospendere le forniture relative a tutti gli ordini in corso con il cliente moroso.

15) In nessun caso il cliente è legittimato a ritardare o sospendere i pagamenti anche in caso di contestazione di una o più forniture.

RECLAMI E CONTESTAZIONI

16) Non sono ammessi reclami di alcun genere se non sono fatti per iscritto entro 8 giorni dalla consegna.

17) I resi non saranno comunque accettati se non espressamente autorizzati per iscritto dalla venditrice ed in porto franco. In ogni caso, ogni reso è soggetto ad un addebito del 20% del prezzo di acquisto per concorso spese di controllo e ricarico.

RISOLUZIONE DEL CONTRATTO

19) Qualora nei confronti del cliente vengano elevati protesti di assegni e/o cambiali, vengano promosse procedure esecutive o concursuali di concordato preventivo o di fallimento, il fornitore si riserva la facoltà di risolvere unilateralmente il contratto, dandone comunicazione scritta al cliente.

CONDIZIONI DI GARANZIA

1) La Ditta Dalmiglio S.r.l. garantisce per le sue forniture la mancanza di difetti di materiale e di costruzione secondo i normali dettami della tecnica.

2) L'operatività della garanzia è condizionata alla sottoscrizione espressa, da parte del cliente, della conferma d'ordine nonché delle clausole ivi contenute e richiamate.

3) La garanzia ha la validità di due (2) anni a partire dalla data di installazione delle apparecchiature da parte del cliente. In ogni caso, la garanzia non è più operante e decade comunque trascorsi trenta (30) mesi dalla data di consegna della merce. I termini sopra indicati si intendono espressamente quali termini di decadenza.

4) La garanzia si limita alla sostituzione o riparazione franco nostro magazzino di Gorgonzola (MI) di quelle parti per le quali la Ditta venditrice riconosce un difetto di materiale o di costruzione.

5) Sono escluse dalla garanzia le seguenti parti: lampadine, fusibili, relè, bobine di elettroserrature, cavi elettrici, interruttori, manopole, vetri, guarnizioni in gomma, batterie elettriche, suonerie, campane e in ogni caso, tutte le parti soggette a normale esaurimento ed usura.

6) L'installazione e messa in opera del materiale venduto dovrà essere effettuata da Ditta specializzata con la scrupolosa osservanza della normativa tecnica applicabile e vigente in materia e, in ogni caso, nei limiti d'impiego prescritti e seguendo le istruzioni tecniche della venditrice.

7) La garanzia decade:
a) se la merce è stata in qualunque modo modificata dal cliente o da terzi non espressamente autorizzati dalla Ditta venditrice;
b) se sono state montate parti il cui uso non è espressamente ammesso dalla Ditta venditrice;
c) se il cliente non osserva le prescrizioni della Ditta venditrice circa l'uso, i limiti d'impiego e la manutenzione della merce.

8) È espressamente escluso il diritto dell'acquirente al risarcimento di danni provocati direttamente od indirettamente dall'impianto o da singoli componenti anche al di fuori della garanzia in qualunque momento e per qualsiasi motivo. Viene ad ogni effetto escluso che l'apparecchiatura o l'impianto possa essere ritenuto sostitutivo di polizza assicurativa.

9) È escluso il diritto del cliente allo storno del contratto di compravendita o ad una diminuzione del prezzo, a meno che la Ditta venditrice si trovi nella impossibilità di eliminare il difetto o di sostituire, con materiale funzionalmente equipollente, anche se di tipo diverso, il materiale riscontrato difettoso.

10) Eventuali interventi tecnici e di controllo richiesti, per casi particolari, alla Dalmiglio S.r.l. saranno fatturati al cliente secondo le tariffe nel settore specifico.

11) Eventuali chiamate non giustificate da una effettiva irregolarità dell'apparecchiatura o dell'impianto saranno a totale carico del cliente.

12) Gli interventi tecnici o di controllo della Dalmiglio S.r.l. per l'estero non potranno essere comunque richiesti salve specifiche e peculiari pattuizioni.

"FORO COMPETENTE"

Per qualsiasi controversia nascente dall'esecuzione o comunque connessa col presente contratto è esclusivamente competente il foro di Bergamo.

TYPES, TIPS AND HINTS

THE CORRECT WAY TO HANDLE ELECTRICALLY OPERATED LOCKS

1) ***MOUNTING***: the models are basically prepared to be mounted with the bolt running on horizontal axis. For vertical mounting (downwards or upwards striking), the specific model has to be required.

2) ***OPERATING POWER "DIRECT CURRENT"***: use strictly the voltage value rated on product tag: 12Vdc or 24Vdc (according with the model) with tollerance ± 10% (D.C. rectified voltage particularly for TRONIX version is required). Power consumption level must be considered according with the models (see pertinent data sheet). For electrical drop bolts, in any case, never use alternative voltage.
   Note: Before to connect the electrical lock (door strike) or electromagnet, to any type of electronic equipment (e.g. access control system etc.) it is necessary to provide a protection with a diode (for exp 1N4005) in parallel with the coil and respect the polarity + - ; or varistor (for exp CNR07D180L or similar) can be used.

3) ***APPLICATION:*** the electrical drop bolt has to be fixed and/or fitted into pertinent frame hole, after only that the proper place is prepared in advance and any work on the door is ultimately concluded. Never proceed with working (drilling, milling, welding, etc.) with electrical lock near your work. Must be considered that the electrical drop bolt should be "magnetised" and consequently the metallic filings and grinding dust could be attracted into the mechanism producing damages and functional failures.

4) ***ADJUSTMENT***: tolerances and door alignments must be respected to provide the bolt of electrical lock running freely without any friction and/or obstruction; the bolt has to be virtually in condition to move itself "in air", as the "axial" movement energy (to close and open the door) is really suited to the task, but it is not capable to overcome tangential pressure and/or push on the door.
   It is a matter of fact that common sense and all days practice teaches us how do never push on the door in the instant of the electrical release action because on the contrary the electrical lock should stop in blocking condition. In addition, during the installation be sure that the bolt when entirely projected (door locking position) is inserted into the corresponding hole of locking counter plate at least 4/5 of its length; to be capable to offer the proper locking resistance and meanwhile to avoid overloads that should be impressively amplified by "lever effect" if the charge pushing of the door is concentrated on the bolt-tip. This setting is "imperative" to avoid malfunctions and irreparable damages of the electrical drop bolt.
   In other words, the distance between the fixing flange of the lock and the corresponding strike plate has to be no more than 5mm (3mm is preferable). If for some technical reasons, it is not possible to reduce the tollerance between the door and door-post (frame), you can arrange compensation using two or more locking counter-plates superposed (one over the other) to provide the bolt to "plunge" into the locking hole.

5) ***CLEANING***: the cleaning of the electrical lock (bolt and annexed assembly) must be made periodically according with ambient situations.

6) ***FREE OF OILING***: the bolt of electrical lock operates on self lubricating precision bearing. Never use greasing, oiling and so on into the bolt mechanism of the electrical lock could form grease lumps itself capable to block the movement of the bolt and/or impair the correct function. If it is necessary to clean, a proper detergent solvent could be used (specific silicon spray ALLSILICON Allegretti or similar).

7) ***OUTDOOR INSTALLATION***: in outdoor installation the problem of humidity is secondary in comparison with the dregs produced by water and dirt.
   Really the factor is the calcareous accumulate around the bolt of electrical lock that can iniury the correct movement.
   All possible precautions have to be taken consequently before to consider the application.

   For any reasons it is not authorized, unfasten the assembly screws of the locks (electrical bolts, door strikes etc.), because all the factory setting should be compromised and operating malfunctions occur.
   Take case the above informations too and proceed accordingly to avoid any warranty expiration.

Why is there an interlock in clean rooms?

The PHARMABLOCK Tecnodimensione system is the answer.

The logic of mutual-acknowledgement interlocking doors for the controlled transit of people and/or materials has proved to be the most effective solution to protect from contamination the clean rooms of research laboratories, pharmaceutical industries, hospitals, nuclear stations, food industries and generally of all environments where accesses must be managed and controlled rigorously, yet in absolute peace of mind and safety.

At first glance the development of an interlocking system, ***which for example locks one door when another one is opened and vice versa, would seem an easy task*** but it is not exactly so.

The more you closely analyze the typical issues of clean rooms and the more you realise which and how many variables complicate the task.
The situation can become even more complex if several doors have to interact with one another with transit logics that depend in part and/or in whole from specific procedures, modes, timings, emergency situations, etc., that is from an enormous amount of tasks that are interconnected.
In addition to this, one must also take into account a series of practical aspects connected with the installation of the door frames, the mechanical and electromechanical characteristics of locks, and the routing and wiring of the driving, signalling and management systems cables...

Lastly the final installation must also be designed so that it can be easily serviced and cleaned with detergents, without leading to the accumulation of debris that could contaminate clean rooms... This alone confirms the complexity of this technology and underlines the importance of relying on an experienced and qualified partner to professionally design and develop appropriate interlocking systems and logics.

Tecnodimensione, a leading company in the security field, has leveraged its precious know-how, acquired and broadened in over 35 years of work in the industrial and commercial fields both in Italy and abroad, to design this new line of systems with “Click&Go” technology.

The word “Click&Go” summarises all Tecnodimensione’s engineering technology, which is designed to satisfy all the basic needs in “one go” and provide customers with a whole range of professional interlocking systems for clean rooms.

However, PHARMABLOCK devices are also available with FLEXICON technology to be interfaced with any management unit including PLC, microprocessor boards, or traditional electronic units.
(Require the specific section “Devices and Systems with Flexicon technology”.)

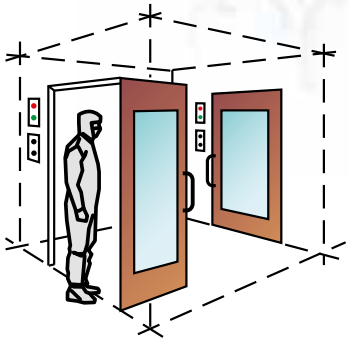
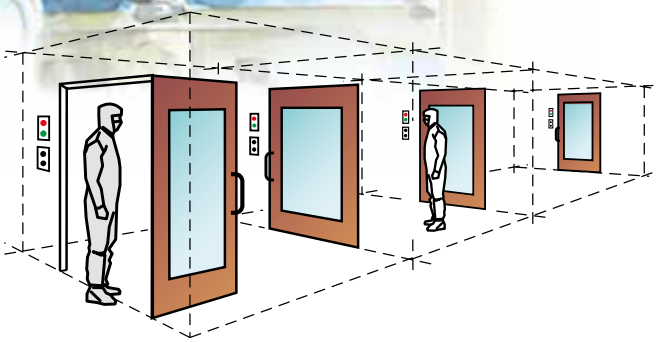


Diagram - Mutual acknowledgement interlocking system with two doors



Multiple configuration for interlocking 3, 4 or more doors without virtually any limits

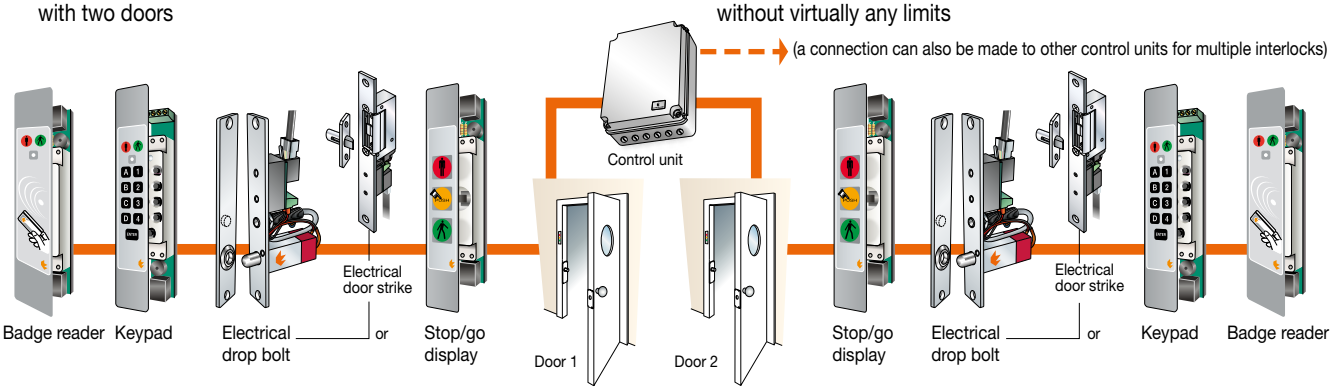
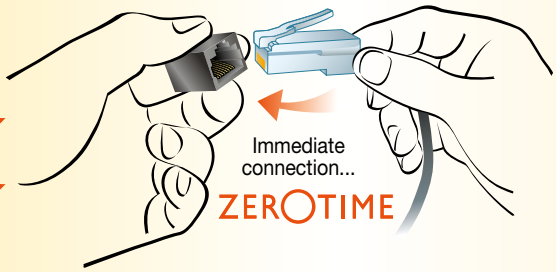


Diagram of the equipment required to configure a door interlocking system with mutual acknowledgment

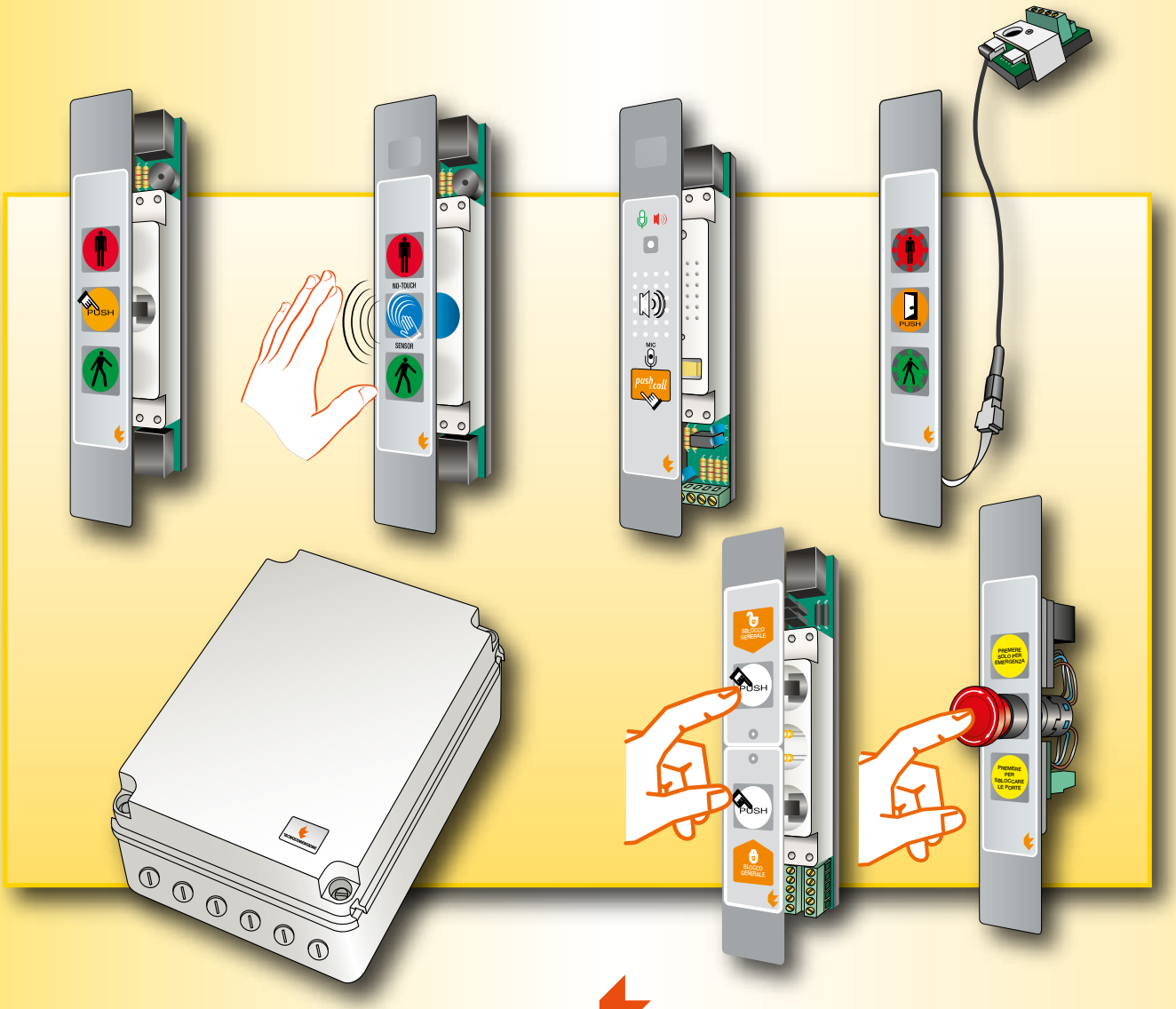
DOOR MANAGEMENT SYSTEMS

with tecnology

Click&GO ZEROTIME®



Insert the plug connector...
snap it in place...
that's all you need for
a perfectly working system...
Click&Go!



TECNODIMENSIONE
security with style

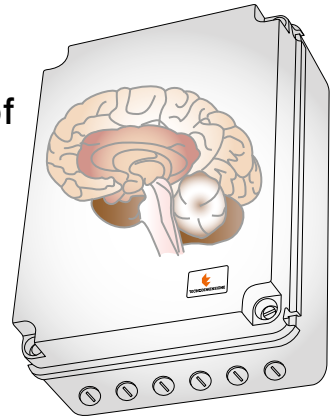
PHARMATRONIX

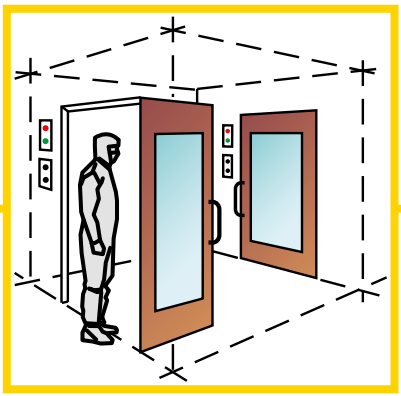
microprocessor-based

PROFESSIONAL TECNODIMENSIONE CONTROL UNIT

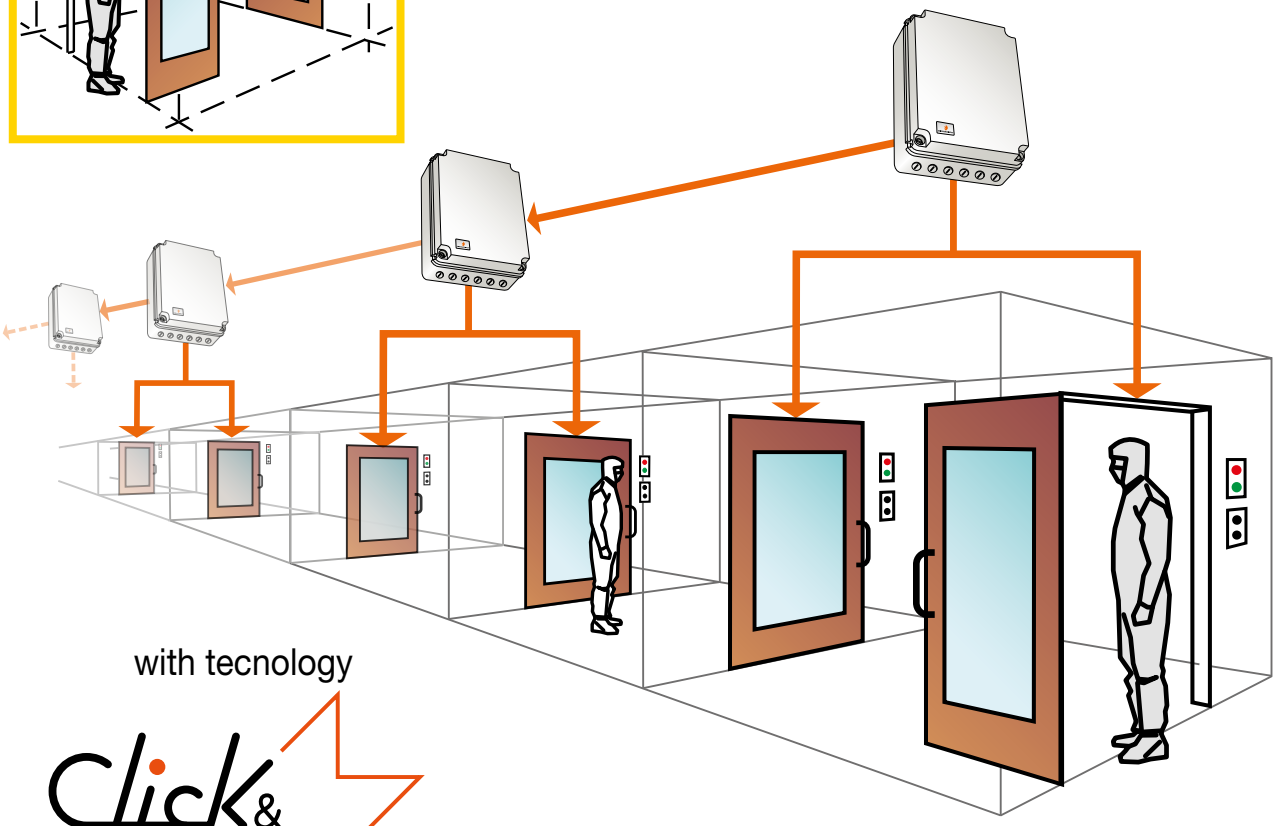
is the brains behind the management of clean room doors

Interlock control units of a two-door system interlocked...





...and in “cascade” for multiple interlocks of 2...4...8...12 doors

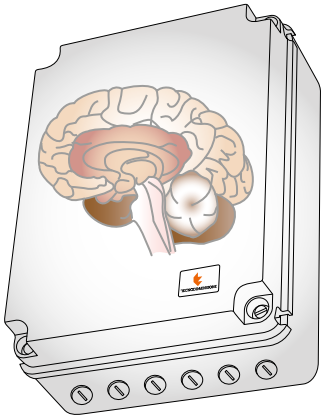


with tecnology

Click & GO ZEROTIME®

TECNODIMENSIONE

security with style



Microprocessor-based PHARMATRONIX
PROFESSIONAL TECNODIMENSIONE CONTROL UNIT

This unit is the “brains” of the system because it hosts all the interlocking logics and drives electric locks, Stop/Go displays and accessories (readers, keypads, etc.). The unit is also able to supply power to the whole system in case of emergency.

One unit... for 3 different needs.

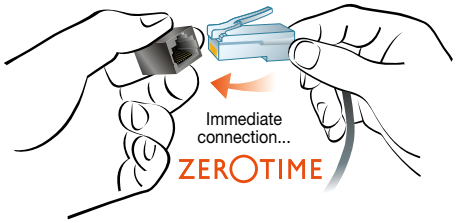
1st Immediate installation = **Click&Go ZEROTIME**

2nd It can be instantly programmed in several modes thanks to the micro DIP-SWITCHES = **MULTISELECT**

3rd It has a modular configuration that can be expanded in “cascade” for multiple interlocks of 2...4...8...12 doors, without limitations = **EXPANDER**

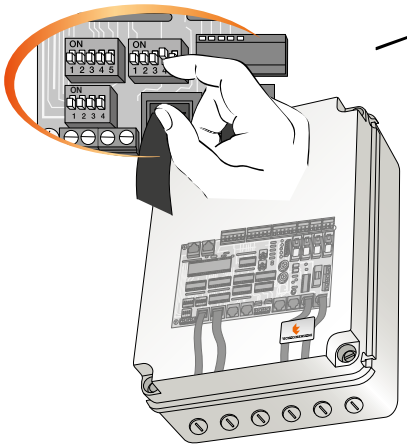
PERFECT FOR THE MANAGEMENT OF CLEAN ROOMS.

1st Click&Go



Insert the plug connector... snap it in place... that’s all you need for a perfectly working system...
Click&Go!

2nd MULTISELECT

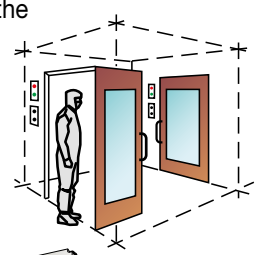


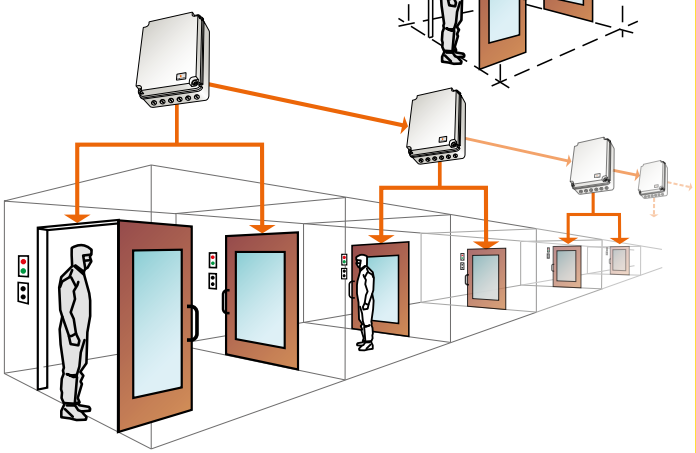
Microprocessor-based PHARMATRONIX with two channels

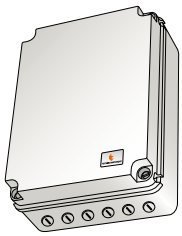
Tecnodimensione systems can be immediately adapted to all plants, depending on their configuration, both during commissioning and after start-up.
As it does not require changes to the control unit or the installation of new connection lines, it is the ideal solution to meet current and future customers’ needs.
It is in fact sufficient to use the DIP-SWTCHES integrated in the control unit to immediately select or change the default programs for each interlocking logic, configuration and timing.
Pharmatronix can be programmed in several modes because ...
...it’s **MULTISELECT!**

3rd EXPANDER

PHARMATRONIX is designed to allow the configuration in “cascade” of multiple interlocks of 2... 4... 8... 12 doors, without limitations. By connecting a Pharmatronix control unit with two channels to the subsequent ones, it is possible to flexibly set-up a multiple interlock, so that the opening of one door prevents the opening of all or part of the other doors and vice versa...
...it’s **EXPANDER!**







Click&GO ZEROTIME®

MICROPROCESSOR-BASED
PHARMATRONIX

With quick fitting 8 pole RJ45 plug to simplify installation and wiring

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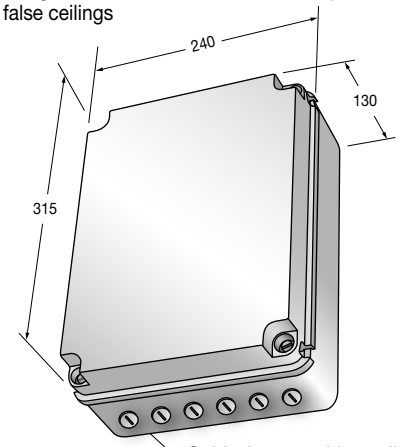
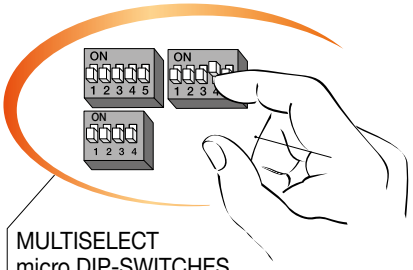
TECNODIMENSIONE®

This unit is the "brains" of the system because it hosts all the interlocking logics and drives electric locks, Stop/Go displays and accessories (badge readers, keypads, etc.). The unit is also able to supply power to the whole system in case of emergency.

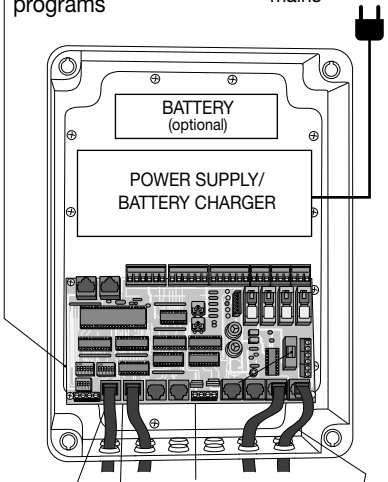
PHARMATRONIX control unit
designed to be wall mounted and/or placed on false ceilings

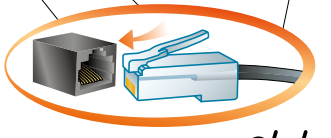




MULTISELECT micro DIP-SWITCHES for the immediate selection of default programs

230V - 50/60 Hz mains





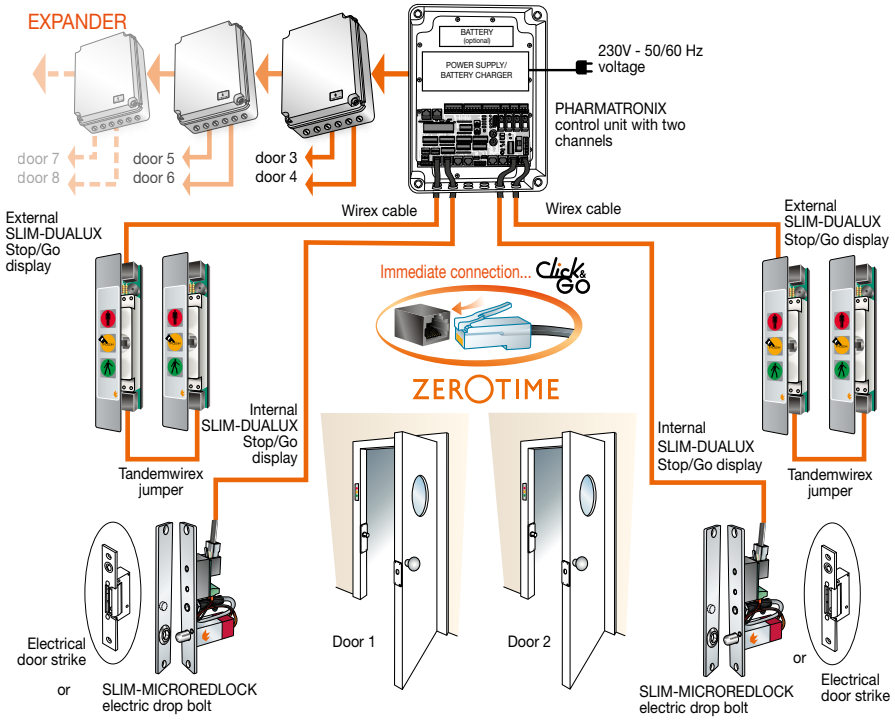
Immediate connection... Click&GO

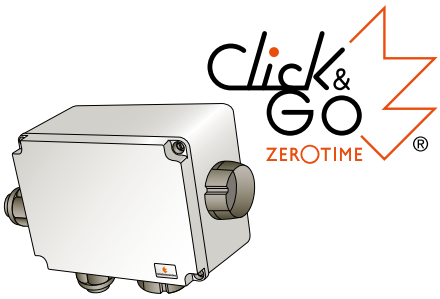
ZEROTIME

Ordering information		Q.ty
MODELS		**N°**
"Multiselect" control unit: multifunctional and programmable in several modes. The "Expander" model, that can be expanded by connecting in cascade 2 or more control units, enables to immediately create multiple interlocks of 2, 4, 6 and 8 doors, without limitations. **It is ideal for "clean rooms".**		
Models for 2 channels (12 VDC power supply)		
Microprocessor-based PHARMATRONIX control unit with 2 channels, designed to manage 2 interlocked doors with "Multiselect" logic and to be programmed in several modes. "Expander" model, expandable for multiple interlocks (see section Default programs). With "ClicK&Go" technology and RJ45 8-pole quick fitting female connecting plugs. Enclosed in an plastic impact-proof cabinet (240 x 315 x 130mm). Supplied with 12 Vdc/1,3A stabilised power supply (no battery charger). For 230 Vac/50 ÷ 60 Hz mains.	**034746A221W**	
Microprocessor based PHARMATRONIX control unit with two channels for the management of two doors. This model has the same characteristics of the one described above, but is supplied with an anti-blackout 12 Vdc/2, 7A power supply and battery charger. For 230 Vac/50 ÷ 60Hz mains.	**034746A222W**	
Models for 2 channels (24 VDC power supply)		
Microprocessor based PHARMATRONIX control unit with two channels for the management of two doors. This model has the same characteristics of the one described above, but is supplied with a 24 Vdc/1,5A power supply and battery charger for 230 Vac/50 ÷ 60 Hz mains.	**034746A422W**	
Models for 4 channels (12 VDC power supply)		
Microprocessor based PHARMATRONIX control unit for the management of 4 doors. This model has the same characteristics of the one described above, but is supplied enclosed in a "larger" plastic cabinet (380 x 300 x 120 mm) with 2 two-channel mother boards that are already interconnected. Supplied with 12 Vdc/2,7A power supply and battery charger for 230 Vac/50 ÷ 60 Hz mains.	**034746A242W**	
Models for 4 channels (24 VDC power supply)		
PHARMATRONIX control unit with 4 channels. This model has the same characteristics of the one described above, but is supplied with a 24 Vdc/1,5A power supply for 230 Vac/50 ÷ 60 Hz mains.	**034746A442W**	

DEFAULT PROGRAMS that can be immediately selected by means of the DIP-SWITCHES:
- Single/bidirectional interlock - "Green", "red" or mixed "green/red" interlocking logic - Interlocking of doors by "room", "corridor", mixed "room/corridor" configuration - Management of pass boxes and decontamination rooms without or with timing (adjustable) - Piloting of solenoid bolts and/or electrical door strikes fail-safe/fail-secure - Control of accesses by means of code entry keypads/badge readers - Emergency release (unlock) of single door and/or the general system - Delayed "timeout" alarm for single door - Immediate alarm for "2 contiguous doors" opened simultaneously - And much more on request.

EXAMPLE OF A TWO-DOOR SYSTEM INTERLOCKED WITH PHARMABLOCK CONTROL UNIT, PERTINENT DEVICES AND WIREX FAST CONNECTING CABLES WITH "CLICK&GO" TECHNOLOGY





UNIT WITH POWER RELAY
POWER-DRIVER

With quick fitting 8 pole RJ45 plug to simplify installation and wiring

Export Product-list
January 2024

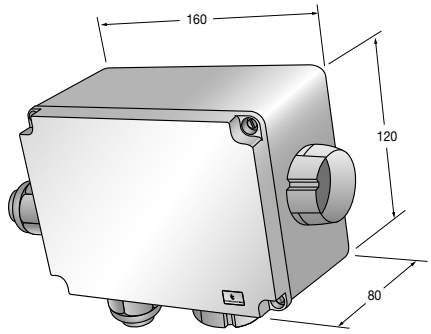
TECNODIMENSIONE®

This is the actuator unit designed to drive by means of a power control (depending on the logics and timings set by the Pharmatronix management unit) treatment and/or decontamination equipment like UV lamps, fans, etc., in addition to emergency devices like emergency lights, remote signals, etc.

Ordering information MODELS		Q.ty N°
Control interface with 2 parallel and dedicated outputs, powered at 230 Vac/50-60 Hz, that can be directly connected to the Pharmatronix control unit by means of a Wirex structured cable using the "ClicK&Go" technology. **Ideal for possboxes in clean room equipment**		
Model with 2 control outputs		
POWER-DRIVER unit with "2 outputs" and 1 power relay with a total capacity of 16 A for 230 Vac power supplies that includes: - 1 meter "Wirex" cable (grey) with tear-resistant PG cable gland with a quick fitting 8-pole RJ45 end plug that be instantly connected to the PHARMATRONIX management unit using the "ClicK&Go" technology. - 1.5 meter long power cable with tear-resistant PG cable gland and a 16 A Euro plug (3 poles with phase/neutral/earth) to directly "input" the power from the 230 Vac/50-60 Hz power supply. Control output: - 2 output controls (timed and managed by the PHARMATRONIX unit), powered at 230 Vac/50-60 Hz, in parallel and dedicated configuration, for a total load of 16 A (that has to be divided between the 2 output sockets). These controls are made available by means of 2 universal female "output" sockets (for Schuco / USA / Euro at 16 A and/or 10 A) designed to be used with any power plug present on the equipment being driven (treatment plants, fans, UV lamps, etc.). Compact design in plastic shock proof box (dimensions 160x120x80 mm), for wall-mounting and/or installation on false ceiling.	**034746R**	
POWER-DRIVER with the same characteristics of the model above, but with "3 outputs", that is 3 parallel and dedicated power controls powered at 230 Vac/50-60 Hz, with a capacity of 16 A to be divided among the 3 corresponding outputs that represent universal female sockets.	**034746R3**	

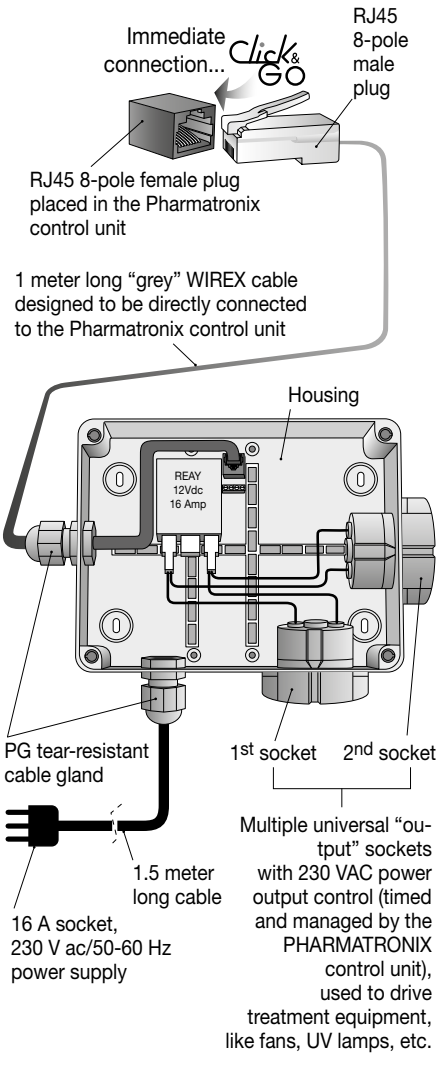
The POWER-DRIVER unit has a compact design as it is specifically enclosed in a box to prevent any direct contact with the internal power circuits. Even the terminals used for external connections are fitted with universal connecting sockets that comply with insulation standards to protect the plant installer from coming into contact with the power line during installation, use and maintenance.

POWER-DRIVER
unit with power relay
for wall-mounting and/or installation on false ceilings

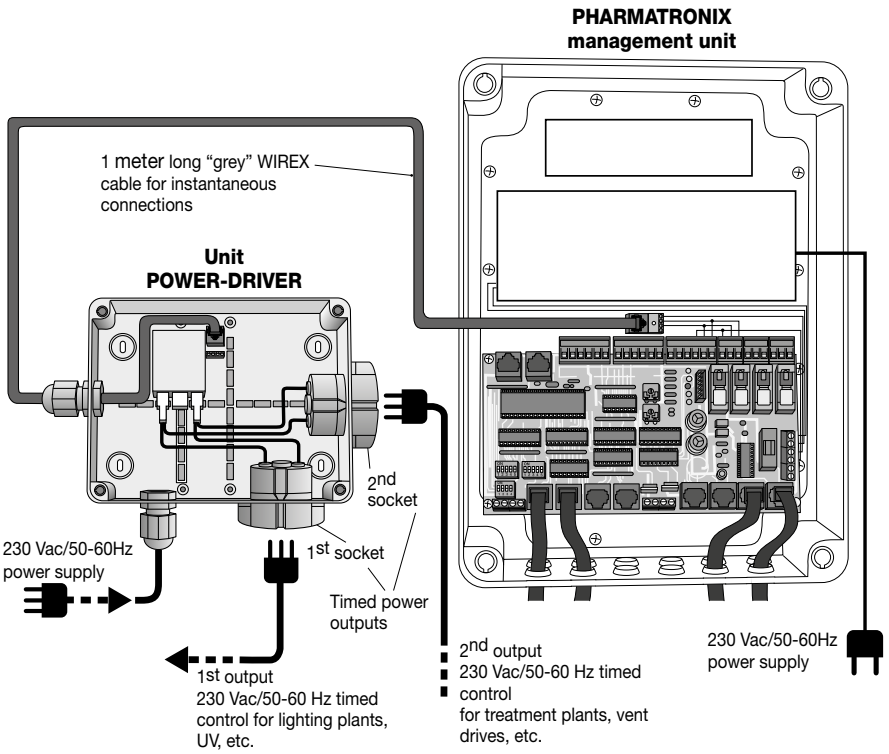


(overall dimensions in mm)

POWER-DRIVER unit
(internal view)



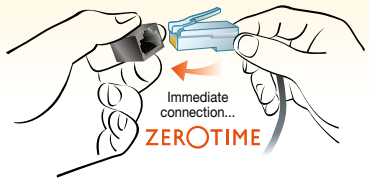
EXAMPLE OF INSTANTANEOUS WIREX CONNECTION BETWEEN THE POWER DRIVER UNIT AND THE PHARMATRONIX CONTROL UNIT AND RELATED DEVICES



Ultra-slim and super-compact
in a unified & convertible format.

SLIM& MODULAR

with tecnology Click&GO ZEROTIME®



Insert the plug connector... snap it in place... that's all you need for a perfectly working system...

Click&Go!

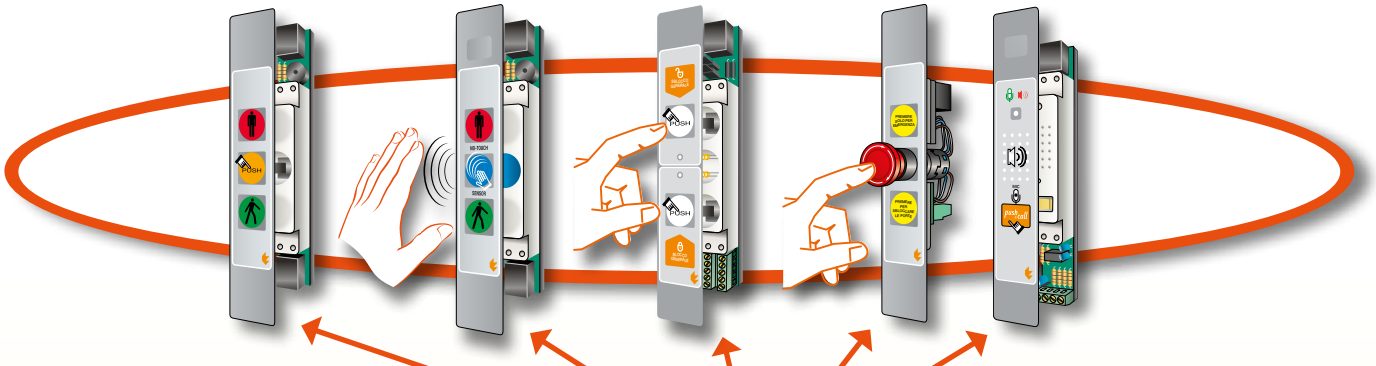
Stop/go display
SLIM-DUALUX

Stop/go sensorized display
SLIM-DUALUX No-touch

Push-button unit
SLIM-DUALPUSH

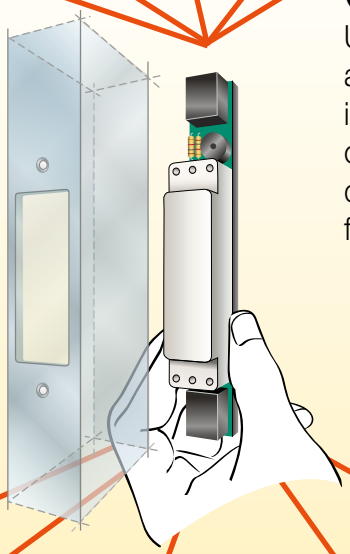
Push-button with "mushroom"
SLIM-HELPYPUSH

Intercom unit
SLIM-DUALVOX



Unified module because....

A full SLIM & MODULAR range of devices with different functions, operations and purposes (stop and go displays, entryphones, keypads, such as code keypads, badge readers and micro stop and go display control units of the same series...) designed and made keepinga single module of the same size for all as a base element.
In fact, all the devices have the same appearance, size and modularity to be interchangeable and housed in the same unified chasing of the previous lock.

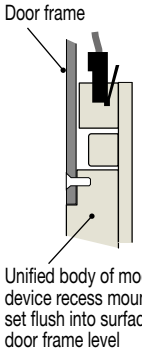


Convertible because...

Using unified flanges, cases and boxes, any unified SLIM & MODULAR device is convertible into 5 different types that can be installed in any way, next to the door, based on the assembly needs found in the field.

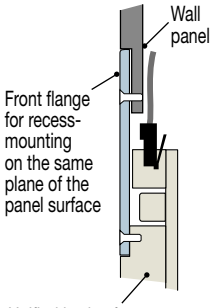
Assembly type 1

fully aligned concealed
for recess-mounting without flange on the same plane of the door frame panel



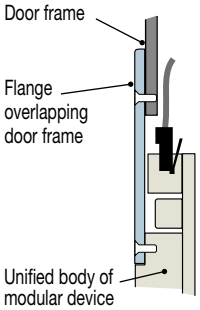
Assembly type 2

fully aligned at milling
for recess-mounting with front flange on the same plane of the panel surface



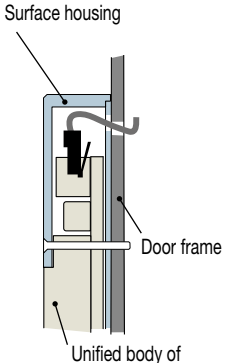
Assembly type 3

for conventional flush mounting
with front flange overlapping door frame



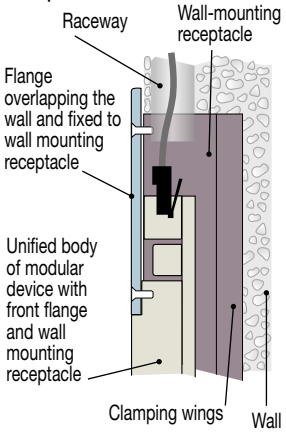
Assembly type 4

for surface mounting
with using housing

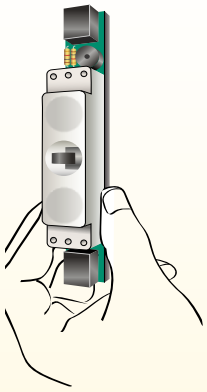


Assembly type 5

for recessed wall-mounting
with flange and wall-mounting receptacle



SLIM& MODULAR



Convertible unified module.

Click& GO ZEROTIME®

Basic reference for construction of each SLIM & MODULAR device.

5 devices with *5* different functions, in a single unified convertible module.

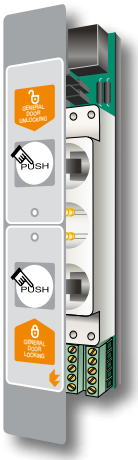
Stop/go display
SLIM-DUALUX

The stop and go display is a device with a red/green light and international STOP/GO symbols designed to regulate transit in various controlled entrances.
It has a manual pressure button for opening the door and/or ringing the bell.

Stop/go sensorized display
SLIM-DUALUX No-touch

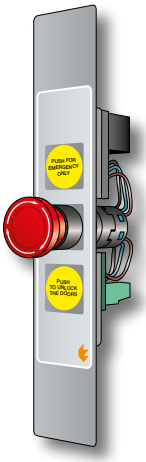
This is the stop and go display (instead of the manual pressure button) with an infrared sensor that "sees" a presence up to 10 cm away.
The "contactless" door-opening command and/or bell works automatically by bringing the hand close without touching anything.

Push-button panel
SLIM-DUALPUSH



It is the keypad device with 2 independent multi-functional buttons that activates the specific command, using its various exist contacts pressed manually, according to the programme.

Emergency "mushroom" button
SLIM-HELPYPUSH



It is the red "mushroom" button to be pressed manually to unlock partly and/or fully the doors, to stop processing cycles, to set off fire, emergency alarms etc.

Intercom
SLIM-DUALVOX

The talk-listen unit is the device that, when matched to another identical unit, in tandem and/or in multiples (with special Voxtronix centralisation module), allows voice intercommunication between different remote stations.
The "Push&Call" button activates the start of the conversation in "alternated listen and answer mode".
The two-colour LED (red/green) signals the current "Listen/Talk" status.

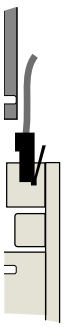
All convertible into *5* different types of installation next to the door.

Assembly type **1**

fully aligned concealed
for recess-mounting without flange on the same plane of the door frame panel

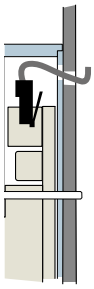
Assembly type **2**

fully aligned at milling
or recess-mounting with front flange on the same plane of the panel surface



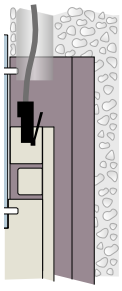
Assembly type **3**

for conventional flush mounting
with front flange overlapping door frame



Assembly type **4**

for surface mounting
with using housing



Assembly type **5**

for recessed wall-mounting
with flange and wall-mounting receptacle

SLIM-DUALUX
PROFESSIONAL STOP/GO DISPLAYS
With quick fitting PLUG RJ45 - 8 poli for a more practical installation and immediate cable routing

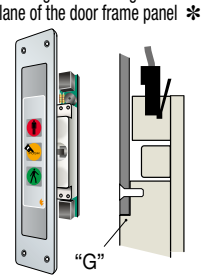
- With 2 8-pole quick fitting RJ45-8 connecting plugs + 1 dummy load (end of line adapter).
- Green/red lights + buzzer + multifunctional push button with “dry” changeover contacts (no voltage).
- 1 self-adhesive cover in polycarbonate, 180 x 30 mm, R2,5, thickness 0.3 mm with international symbols, available in 7 colours.

Export Product-list
January 2024

TECNODIMENSIONE®

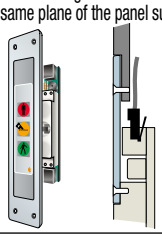
Ordering information		Q.ty

Assembly type 1
fully aligned concealed for recess-mounting without flange on the same plane of the door frame panel ✻



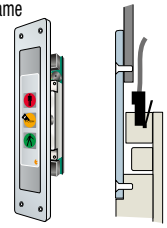
Models for 12Vdc/70mA power supply	MODELS		N°
SLIM-DUALUX stop and go display type 1 “CLICK & GO” technology with fully aligned concealed for recess-mounting on the same plane of the door frame panel without flange. Ideal to achieve a "smooth" surface (without roughness) that is easy to clean. Supplied with diffuser screen and gap G for sections with a thickness of 1.6 mm. Complete with self-adhesive cover designed to be applied after the final installation of the system. **✻ In this case it is advisable to prepare the recess during the door frame machining.**	034981CW2U		
Same with diffuser screen and gap G for sections with a thickness of 3 mm.	034981CW2U3		
Models for 24Vdc/40mA power supply (on request)			
SLIM-DUALUX stop and go display same but with 24 Vdc/40mA power supply with diffuser screen with G gap for sections with a thickness of 1.6 mm	034981CW4U		
Same with diffuser screen and gap G for sections with a thickness of 3 mm.	034981CW4U3		

Assembly type 2
fully aligned at milling for recess-mounting with front flange on the same plane of the panel surface ◆



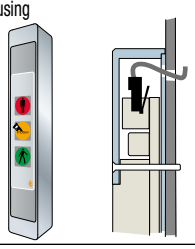
Models for 12Vdc/70mA power supply	MODELS		N°
SLIM-DUALUX stop and go display type 2 “CLICK & GO” technology for aligned recessed flush fitting in bottom of panel using front flange (e.g. To mount on wall panel next to the door frame on the post where no chasing can be carried out). Supplied with front flange in anodized aluminium with “silver” finish - 250 x 50 mm, thickness 2.5 mm for recess-mounting on the same plane of the panel surface for aligned recessed flush fitting in bottom of plane using front flange. Cover pre-assembled and fixed into the flange niche. **◆ In this case, it is advisable to prepare sunk milling during the panel machining phase.**	034982CW2U		
Models for 24Vdc/40mA power supply (on request)			
SLIM-DUALUX stop and go display same but with 24 Vdc/40mA power supply.	034982CW4U		

Assembly type 3
for conventional flush mounting with front flange overlapping door frame



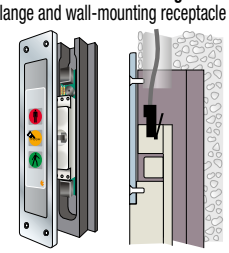
Models for 12Vdc/70mA power supply	MODELS		N°
SLIM-DUALUX stop and go display type 3 “CLICK & GO” technology for traditional recessed fitting using flange. Supplied with front flange in anodized aluminium with "silver" finish - 250 x 50mm, thickness 4 mm for flush mounting. Cover pre-assembled and fixed into the flange niche. **Mounting can be carried out “on site”, directly onto the installed door frame.**	034983CW2U		
Models for 24Vdc/40mA power supply (on request)			
SLIM-DUALUX stop and go display same but with 24 Vdc/40mA power supply	034983CW4U		

Assembly type 4
for surface mounting with using housing



Models for 12Vdc/70mA power supply	MODELS		N°
SLIM-DUALUX stop and go display type 4 “CLICK & GO” technology for mounting placed on surface using housing. With extra-strong protective housing, made in anodized silver finish aluminium (35 x 25 x 215 mm). Self-adhesive cover in polycarbonate, provided separately and designed to be used as final cover to hide the 4 fixing screws of the housing on the door frame. **Useful when you wish to avoid recess-mounting or cuts on the door frame.**	034984CW2U		
Models for 24Vdc/40mA power supply (on request)			
SLIM-DUALUX stop and go display same but with 24 Vdc/40mA power supply.	034984CW4U		

Assembly type 5
for recessed wall-mounting with flange and wall-mounting receptacle



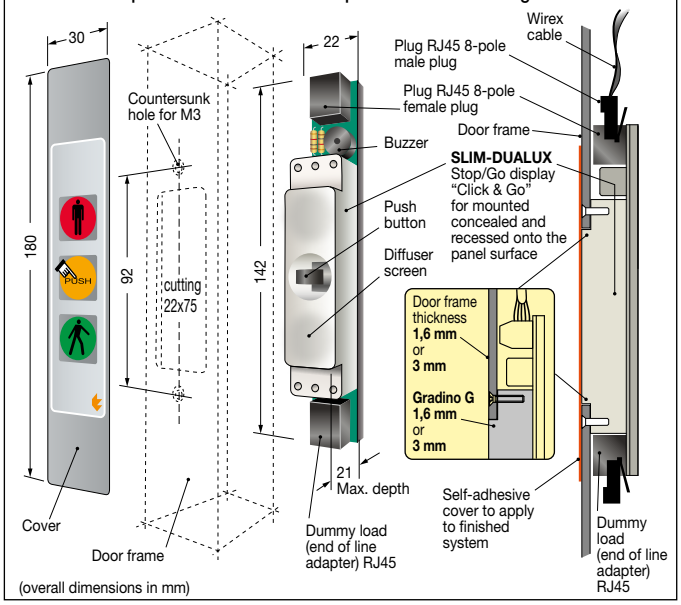
Models for 12Vdc/70mA power supply	MODELS		N°
SLIM-DUALUX stop and go display type 5 “CLICK & GO” technology for recessed assembly using flange and wall box. Supplied with front flange in anodized aluminium with "silver" finish - 250 x 50 mm, thickness 4 mm, to be fixed to the housing by placing on wall surface. Self-adhesive cover in polycarbonate pre-assembled and fixed into the flange niche. Also fitted with wall box with “wings” for rapid anchoring (65 x 30 x 230 mm), in plastic taken from single block to be assembled “in a niche” in the wall to house the body of the stop and go display. **Wall niche and cable channel to be prepared beforehand.**	034985CW2U		
Models for 24Vdc/40mA power supply (on request)			
SLIM-DUALUX stop and go display same but with 24 Vdc/40mA power supply.	034985CW4U		

Special configurations available at extra charge: Cover with your logo and/or customized.

For sizes, measurements and details of chasing, application examples and connection diagrams, see page 21.

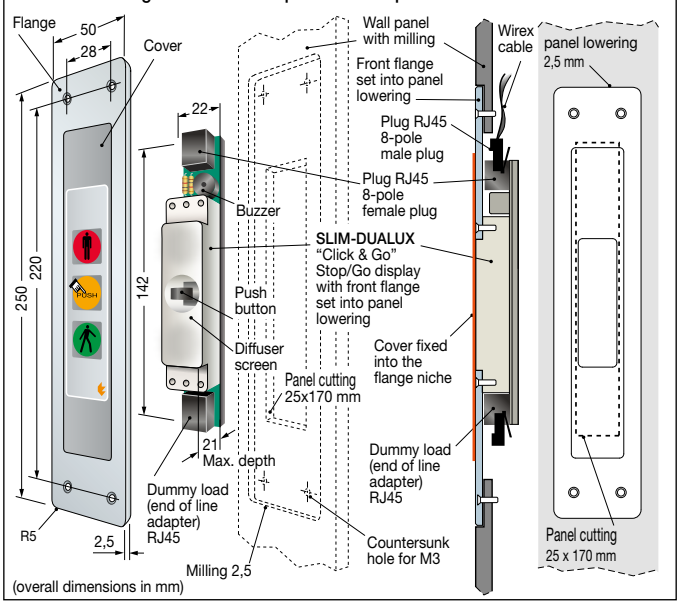
SLIM-DUALUX STOP & GO DISPLAYS - sizes, application examples and connection diagram

Assembly type 1 fully aligned concealed for recess-mounting
on the same plane of the door frame panel without a flange



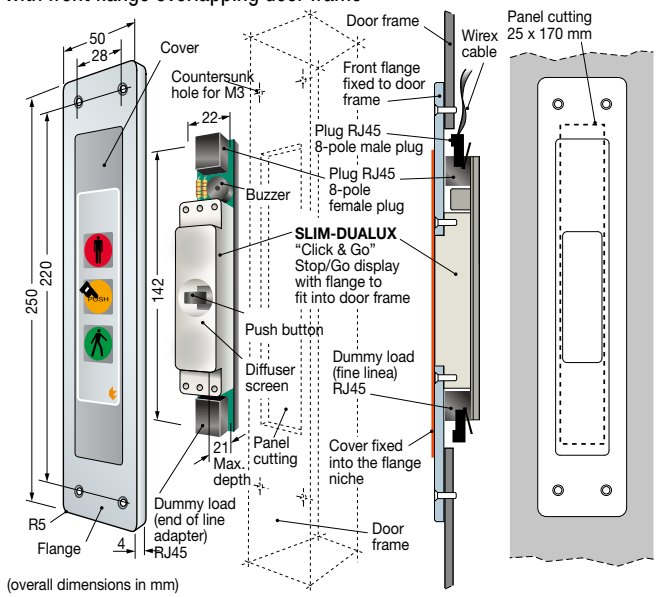
(overall dimensions in mm)

Assembly type 2 fully aligned at milling for recess-mounting
with front flange on the same plane of the panel surface



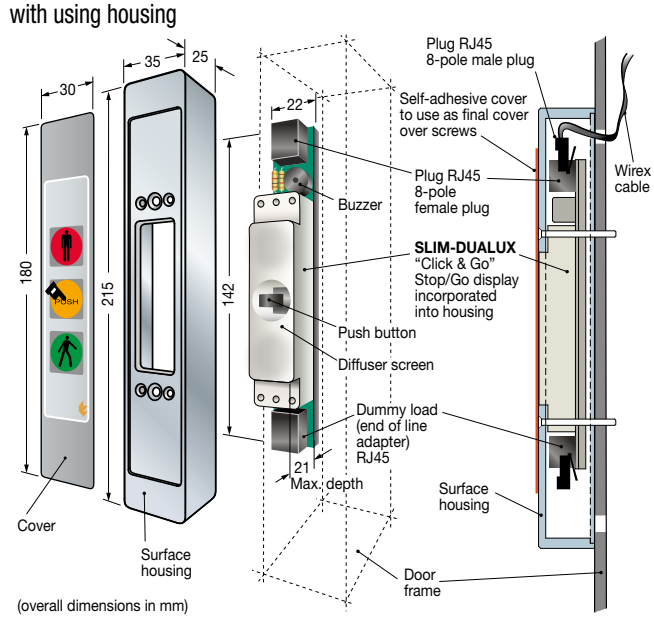
(overall dimensions in mm)

Assembly type 3 for conventional flush mounting
with front flange overlapping door frame



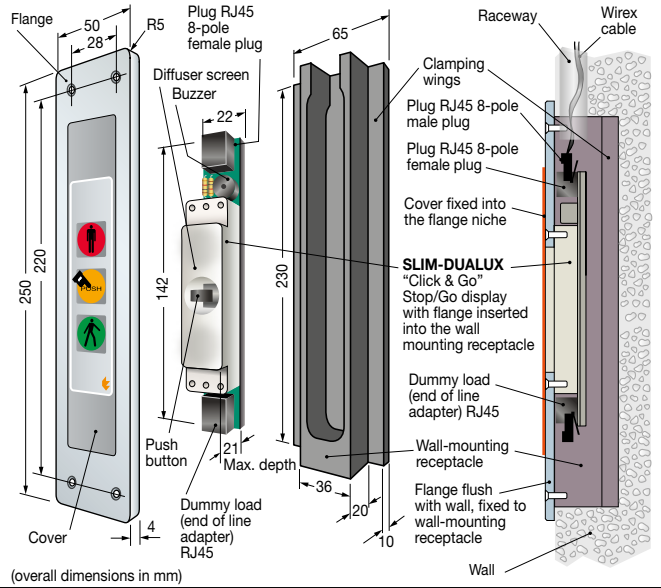
(overall dimensions in mm)

Assembly type 4 for surface mounting
with using housing



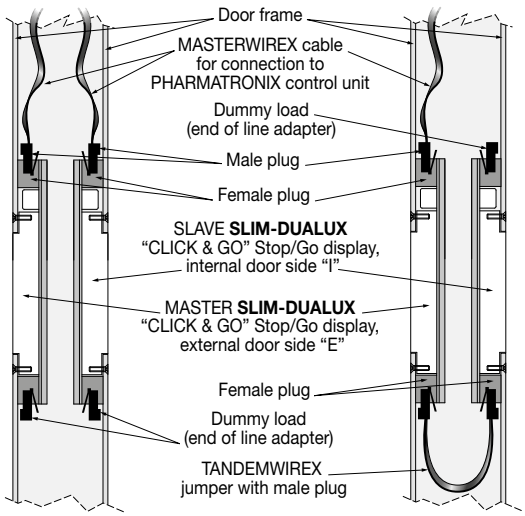
(overall dimensions in mm)

Assembly type 5 for recessed mounting in wall-mounting receptacle
with flange and wall-mounting receptacle



(overall dimensions in mm)

Examples of Wirex fast connecting cables for "CLICK & GO" models



SINGLE CONFIGURATION
Each Stop/Go display has its own MASTERWIREX control cable.

MASTER-SLAVE CONFIGURATION
Two Stop/Go displays coupled in "tandem" by means of a TANDEMWIREX jumper and one MASTERWIREX control cable.

"No-touch" version with contactless command

SLIM-DUALUX No-touch

PROFESSIONAL SENSORIZED STOP/GO DISPLAYS

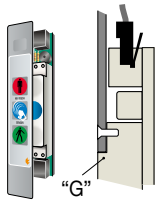
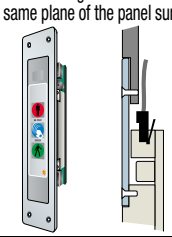
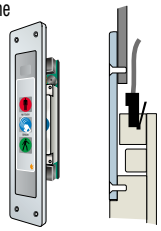
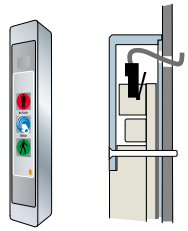
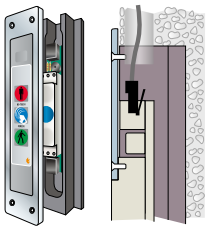
With quick fitting PLUG RJ45 - 8 poli for a more practical installation and immediate cable routing

- With 2 8-pole quick fitting RJ45-8 connecting plugs + 1 dummy load (end of line adapter).
- Green/red light + buzzer.
- Equipped (instead of manual pressure button) with an infrared sensor that "sees" a presence up to 10 cm away. The "contactless" door-opening command and/or alarm works automatically by bringing the hand close, **without touching anything.**
- Timed command with exit relay that starts and remains activated for 8 seconds, each time the hand comes near the No-touch sensor's range of action.
- 1 adhesive cover in polycarbonate, 180 x 30 mm, R2,5, thickness 0.3 mm with 7-colour international symbols.

Export Product-list
January 2024

TECNODIMENSIONE®

Click & GO ZERO TIME®

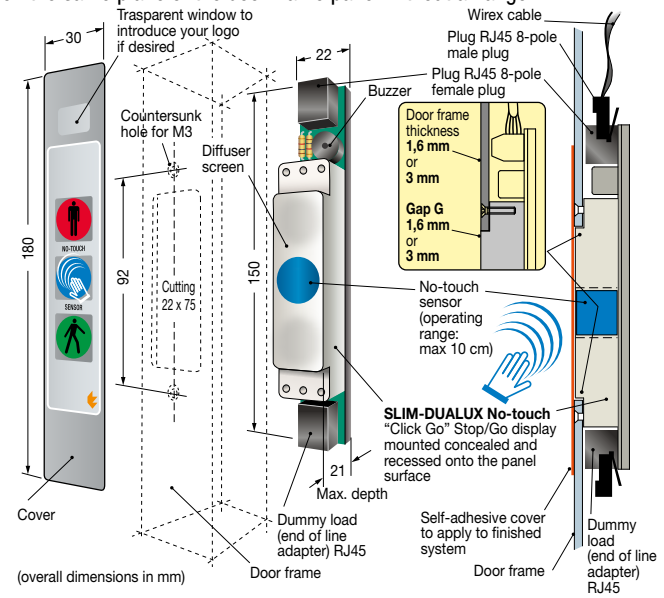
Models for 12Vdc/70mA power supply	ordering information MODELS		Q.ty N°
Assembly type 1 **fully aligned concealed** for recess-mounting without flange on the same plane of the door frame panel ✻ 	SLIM-DUALUX No-touch stop and go display type 1 "CLICK & GO" technology with fully aligned concealed for recess-mounting on the same plane of the door frame panel without flange. Ideal to achieve a "smooth" surface (without roughness) that is easy to clean. Supplied with diffuser screen and gap G for sections with a thickness of 1.6 mm. Complete with self-adhesive cover designed to be applied after the final installation of the system. **✻ In this case it is advisable to prepare the recess during the door frame machining.**	**034981HW2U**	
	Same with diffuser screen and gap G for sections with a thickness of 3 mm.	**034981HW2U3**	
Assembly type 2 **fully aligned at milling** for recess-mounting with front flange on the same plane of the panel surface ◆ 	SLIM-DUALUX No-touch stop and go display type 2 "CLICK & GO" technology for aligned recessed flush fitting in bottom of panel using front flange (e.g. To mount on wall panel next to the door frame on the post where no chasing can be carried out). Supplied with front flange in anodized aluminium with "silver" finish - 250 x 50 mm, thickness 2.5 mm for recess-mounting on the same plane of the panel surface for aligned recessed flush fitting in bottom of plane using front flange. Cover pre-assembled and fixed into the flange niche. **◆ In this case, it is advisable to prepare sunk milling during the panel machining phase.**	**034982HW2U**	
Assembly type 3 **for conventional flush mounting** with front flange overlapping door frame 	SLIM-DUALUX No-touch stop and go display type 3 "CLICK & GO" technology for traditional recessed fitting using flange. Supplied with front flange in anodized aluminium with "silver" finish - 250 x 50mm, thickness 4 mm for flush mounting. Cover pre-assembled and fixed into the flange niche. **Mounting can be carried out "on site", directly onto the installed door frame.**	**034983HW2U**	
Assembly type 4 **for surface mounting** with using housing 	SLIM-DUALUX No-touch stop and go display type 4 "CLICK & GO" technology for mounting placed on surface using housing. With extra-strong protective housing, made in anodized silver finish aluminium (35 x 25 x 215 mm). Self-adhesive cover in polycarbonate, provided separately and designed to be used as final cover to hide the 4 fixing screws of the housing on the door frame. **Useful when you wish to avoid recess-mounting or cuts on the door frame.**	**034984HW2U**	
Assembly type 5 **for recessed wall-mounting** with flange and wall-mounting receptacle 	SLIM-DUALUX No-touch stop and go display type 5 "CLICK & GO" technology for recessed assembly using flange and wall box. Supplied with front flange in anodized aluminium with "silver" finish - 250 x 50 mm, thickness 4 mm, to be fixed to the housing by placing on wall surface. Self-adhesive cover in polycarbonate pre-assembled and fixed into the flange niche. Also fitted with wall box with "wings" for rapid anchoring (65 x 30 x 230 mm), in plastic taken from single block to be assembled "in a niche" in the wall to house the body of the stop and go display No-touch. **Wall niche and cable channel to be prepared beforehand.**	**034983HW2U**	

Special configurations available at extra charge: Cover with your logo and/or customized.

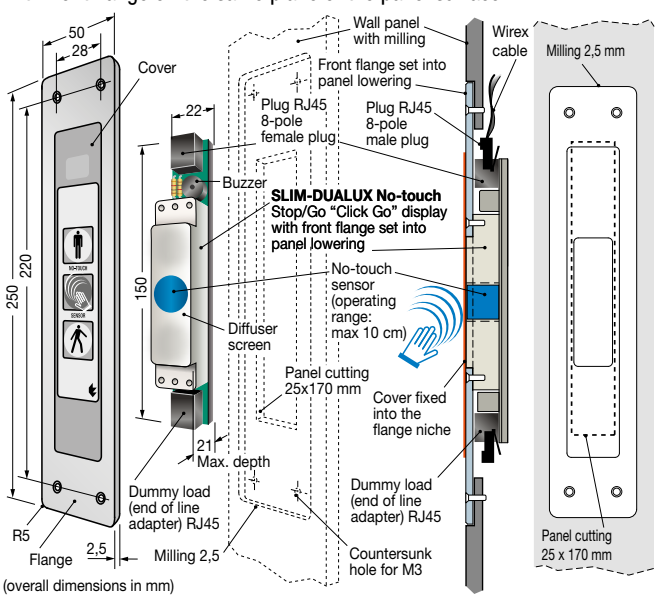
For sizes, measurements and details of chasing, application examples and connection diagrams, see page 23.

SLIM-DUALUX No-touch STOP & GO DISPLAYS - sizes, application examples and connection diagram

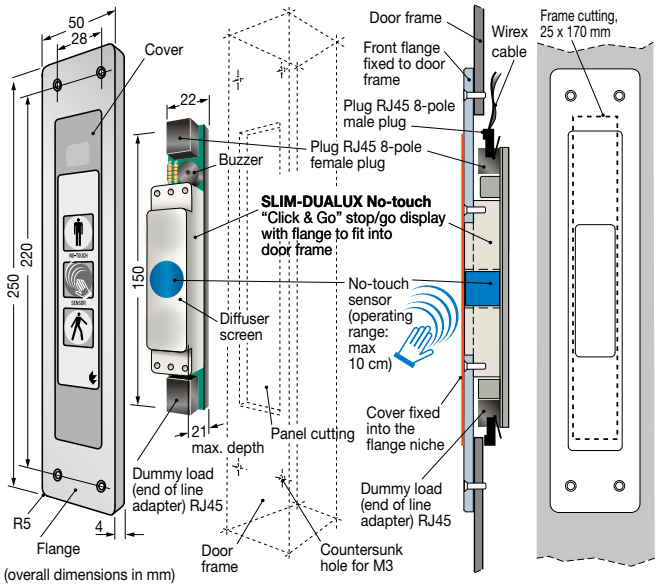
Assembly type 1 fully aligned concealed for recess-mounting
on the same plane of the door frame panel without a flange



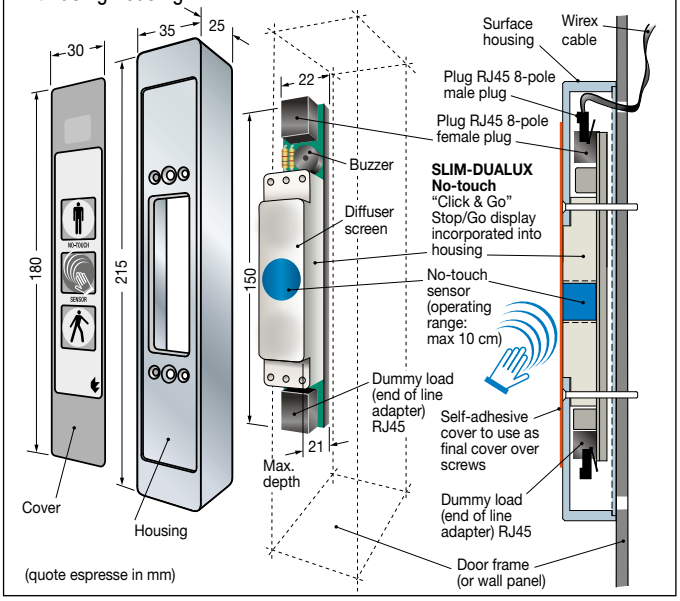
Assembly type 2 fully aligned at milling for recess-mounting
with front flange on the same plane of the panel surface



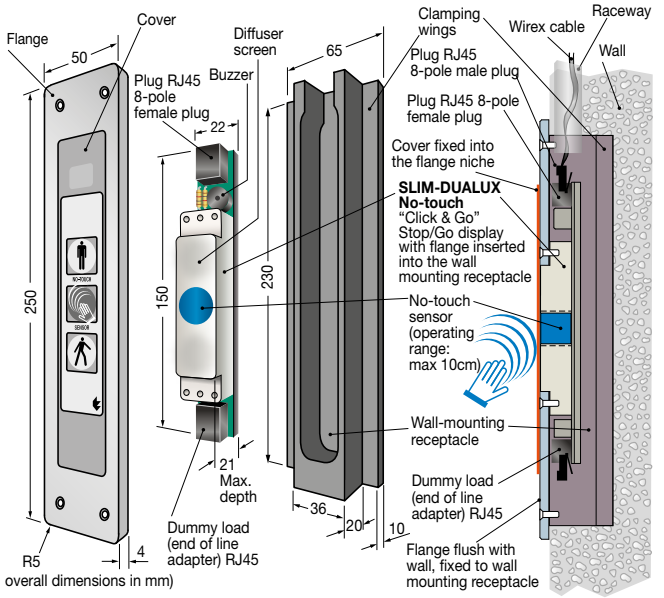
Assembly type 3 for conventional flush mounting
with front flange overlapping door frame



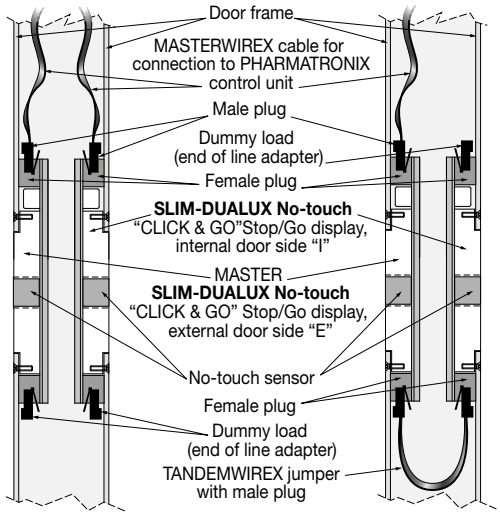
Assembly type 4 for surface mounting
with using housing



Assembly type 5 for recessed mounting in wall-mounting receptacle with flange and wall-mounting receptacle



Examples of Wirex fast connecting cables for "CLICK & GO" models



SINGLE CONFIGURATION
Each Stop/Go display has its own MASTERWIREX control cable.

MASTER-SLAVE CONFIGURATION
Two Stop/Go displays coupled in "tandem" by means of a TANDEMWIREX jumper and one MASTERWIREX control cable.

SLIM-DUALPUSH
PROFESSIONAL PUSH-BUTTON PANELS
for multiple independent controls

With quick fitting PLUG RJ45 - 8 poli for a morepractical installation and immediate cable routing

Fitted with 2 single PUSH buttons, each of which may have the following characteristics:
- C = Pushbutton with temporary contact ("ON" when the button is held down and return to "OFF" when it is released).
- I = Switch with stable ON/OFF contact ("ON" when the switch is initially pressed, "OFF" when it is pressed a second time).

NOTE = See also the codes of the applicable models.
Each button "A" or "B" is respectively lined to 2 output controls = 1 NO contact + 1 NC contact, both "dry" and free from voltage with a capacity of 0.5 A/12 Vdc.
- 2 yellow LED respectively associated with the corresponding button ("A" or "B") to confirm "successful activation of command".
- Jumper bridges already programmed by the factory.
- 1 adhesive cover in polycarbonate, 180x30mm, R2,5, thickness 0.3mm with 7-colour international symbols; with 2 windows for the personalised indication of commands.

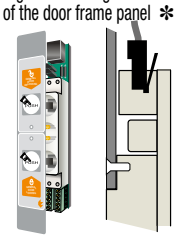
Export Product-list
January 2024

TECNODINAMENSIONE®

Click & GO ZEROTIME®

ordering information		Q.ty
Models for 12Vdc/70mA power supply (on request on order models 24Vdc)	MODELS	N°

Assembly type 1
fully aligned concealed for recess-mounting without flange on the same plane of the door frame panel ✻



SLIM-DUALPUSH push button panels type 1 "CLICK & GO" technology with individual dual controls and fully aligned concealed for recess-mounting on the same plane of the door frame panel without flange. Ideal to achieve a "smooth" (without roughness) that is easy to clean. Supplied with front panel and gap G for sections with a thickness of 1.6 mm. Complete with self-adhesive cover designed to be applied after the final installation of the system.

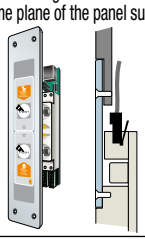
✻ **In this case it is advisable to prepare the recess during the door frame machining.**

034971CCW2U (with 2 C buttons)
034971CIW2U (with 1 C button + 1 I switch)
034971IIW2U (with 2 I switches)

Same with front panel and gap G for sections with a thickness of 3 mm.
Add suffix 3 to the code of the selected model.

034971CCW2U3 (with 2 C buttons)
034971CIW2U3 (with 1 C button + 1 I switch)
034971IIW2U3 (with 2 I switches)

Assembly type 2
fully aligned at milling for recess-mounting with front flange on the same plane of the panel surface ◆



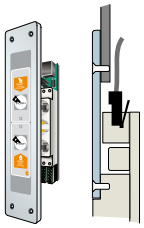
SLIM-DUALPUSH push button panels type 2 "CLICK & GO" technology with individual dual controls for aligned recessed flush fitting in bottom of panel using front flange (e.g. To mount on wall panel next to the door frame on the post where no chasing can be carried out).

Supplied with front flange in anodized aluminium with "silver" finish - 250 x 50mm, thickness 2.5 mm or recess-mounting on the same plane of the panel surface for aligned recessed flush fitting in bottom of plane using front flange.
Cover pre-assembled and fixed into the flange niche.

◆ **In this case, it is advisable to prepare sunk milling during the panel machining phase.**

034972CCW2U (with 2 C buttons)
034972CIW2U (with 1 C button + 1 I switch)
034972IIW2U (with 2 I switches)

Assembly type 3
for conventional flush mounting with front flange overlapping door frame



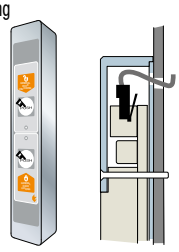
SLIM-DUALPUSH push button panels type 3 "CLICK & GO" technology with individual dual controls. For traditional recessed fitting using flange.

Supplied with front flange in anodized aluminium with "silver" finish - 250 x 50mm, thickness 4 mm for flush mounting.
Cover pre-assembled and fixed into the flange niche.

Mounting can be carried out "on site", directly onto the installed door frame.

034973CCW2U (with 2 C buttons)
034973CIW2U (with 1 C button + 1 I switch)
034973IIW2U (with 2 I switches)

Assembly type 4
for surface mounting with using housing

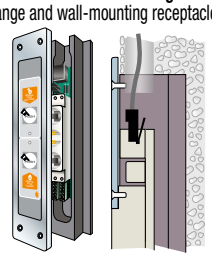


SLIM-DUALPUSH push button panels type 4 "CLICK & GO" technology for mounting placed on surface using housing.
With extra-strong protective housing, made in anodized silver finish aluminium (35 x 25 x 215 mm).
Self-adhesive cover in polycarbonate, provided separately and designed to be used as final cover to hide the 4 fixing screws of the housing on the door frame.

Useful when you wish to avoid recess-mounting or cuts on the door frame.

034974CCW2U (with 2 C buttons)
034974CIW2U (with 1 C button + 1 I switch)
034974IIW2U (with 2 I switches)

Assembly type 5
for recessed wall-mounting with flange and wall-mounting receptacle



SLIM-DUALPUSH push button panels type 5 "CLICK & GO" technology with individual dual controls for recessed assembly using flange and wall box.
Supplied with front flange in anodized aluminium with "silver" finish - 250 x 50mm, thickness 4 mm, to be fixed to the housing by placing on wall surface.
Self-adhesive cover in polycarbonate pre-assembled and fixed into the flange niche.
Also fitted with wall box with "wings" for rapid anchoring (65 x 30 x 230 mm), in plastic taken from single block to be assembled "in a niche" in the wall to house the body of the push button panel.

Wall niche and cable channel to be prepared beforehand.

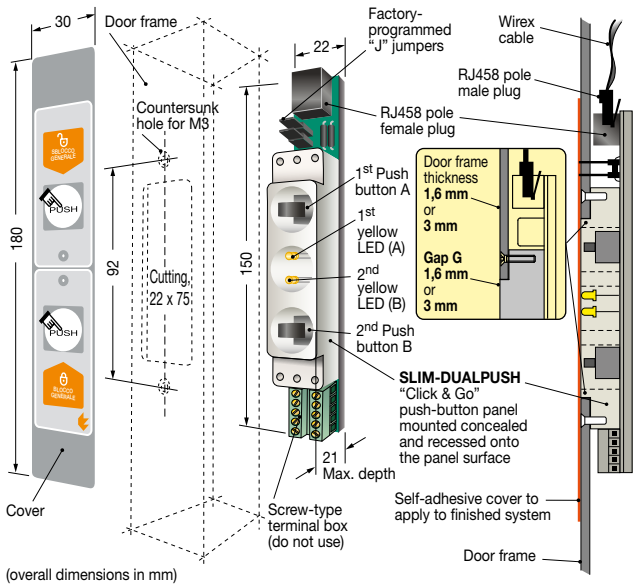
034975CCW2U (with 2 C buttons)
034975CIW2U (with 1 C button + 1 I switch)
034975IIW2U (with 2 I switches)

Special configurations available at extra charge: Cover with your logo and/or customized.

For sizes, measurements and details of chasing, application examples and connection diagrams, see page 25.

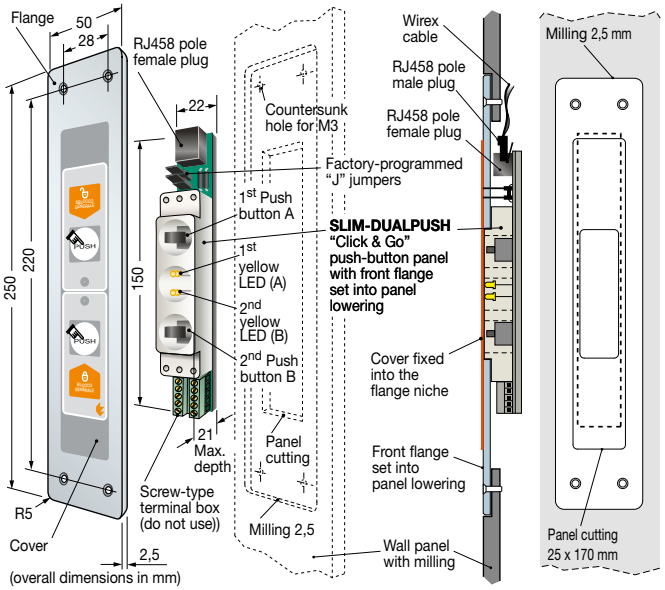
SLIM-DUALPUSH PUSH-BUTTON PANELS - sizes, application examples and connection diagram

Assembly type 1 fully aligned concealed for recess-mounting on the same plane of the door frame panel without a flange



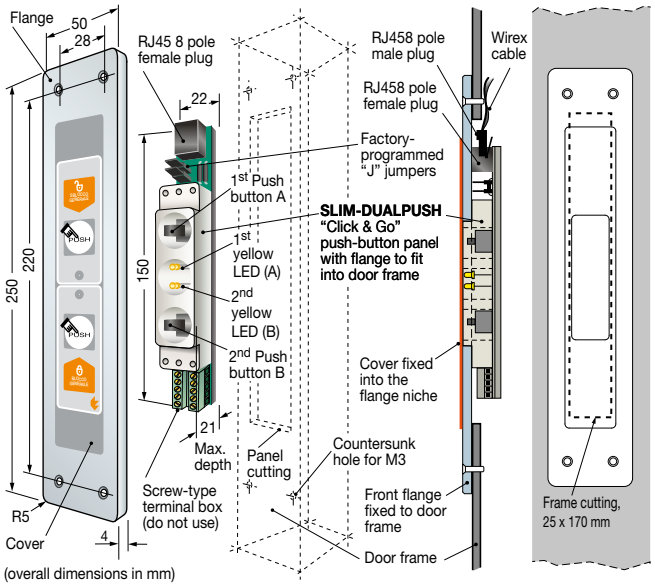
(overall dimensions in mm)

Assembly type 2 fully aligned at milling for recess-mounting with front flange on the same plane of the panel surface



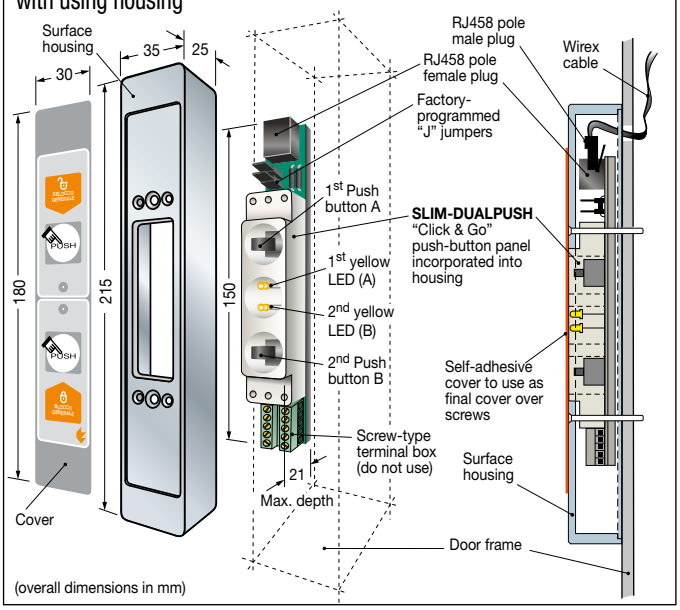
(overall dimensions in mm)

Assembly type 3 for conventional flush mounting with front flange overlapping door frame



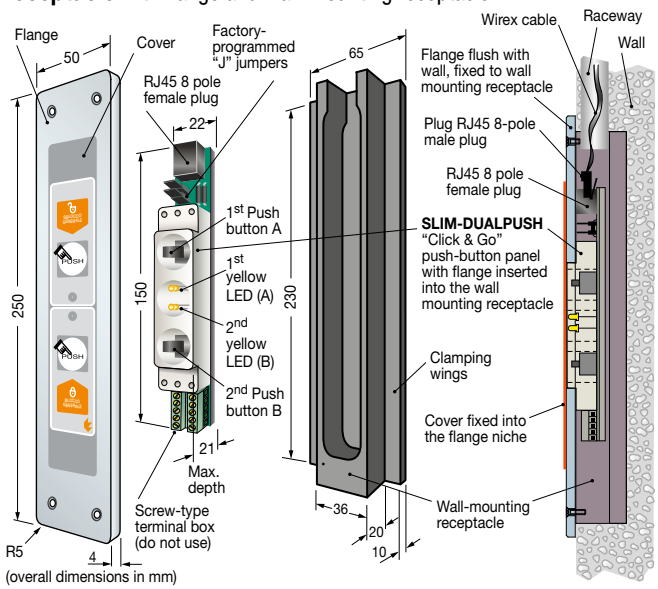
(overall dimensions in mm)

Assembly type 4 for surface mounting with using housing



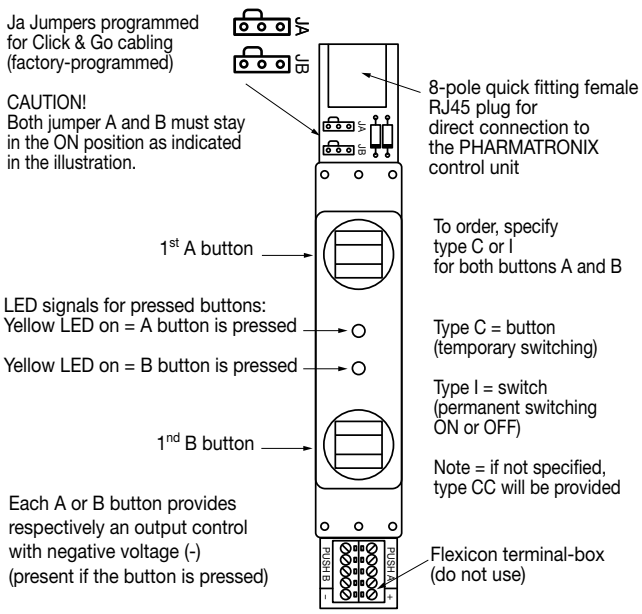
(overall dimensions in mm)

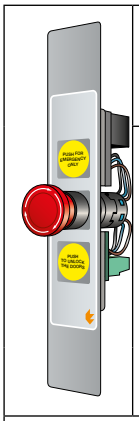
Assembly type 5 for recessed mounting in wall-mounting receptacle with flange and wall-mounting receptacle



(overall dimensions in mm)

CONNECTION DIAGRAM valid for all 5 types





SLIM-HELPYPUSH
PROFESSIONAL PUSH-BUTTON PANELS
Wirex fast connecting cables, with emergency mushroom head button

- Fitted with a red mushroom head button for manual emergency operations (for example to open part and/or all the doors, stop the operating cycle, send a fire alarm, etc.). Monostable ON/OFF mushroom head button (when pressed, it remains permanently ON). The button can be reset (OFF) with a specific voluntary action by turning the red head of the button clockwise.
- 2 independent SPDT dry output contacts (potential free), 1 A/12-24 VDC rated.

The 1st contact is used for emergency purposes to open the door with 8-pole RJ45 plug in "CLIK & GO" wiring technology for direct connection of the PHARMATRONIX control unit.
The 2nd contact with screw-type terminal box, can be used for additional local and/or remote optical/acoustic signals (alarms, special controls, etc.).
- 1 adhesive cover in polycarbonate, 180 x 30 mm, R2,5, thickness 0.3 mm with 7-colour international symbols; with 2 windows for the personalised indication of commands.

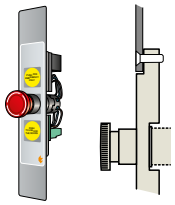
Export Product-list
January 2024

TECNODINAMICA®

Click & GO ZERO TIME®

	ordering information		Q.ty
Models for 12 Vdc/70mA power supply and/or 24Vdc	MODELS		N°

Assembly type 1
fully aligned concealed for recess-mounting without flange on the same plane of the door frame panel ✻



SLIM-HELPYPUSH push button panel type 1 "CLICK & GO" technology with "mushroom" pressure button with fully aligned concealed for recess-mounting on the same plane of the door frame panel without flange. Concealed flush mounting in door frame (only red head of mushroom sticks out). Ideal to achieve a surface that is easy to clean. Supplied with front panel and gap G for sections with a thickness of 1.6 mm. Complete with self-adhesive cover designed to be applied after the final installation of the system.

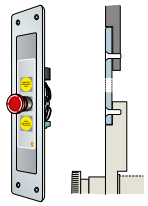
✻ **In this case it is advisable to prepare the recess during the door frame machining.**

034971E0W2U

Same with front panel and gap G for sections with a thickness of 3 mm.

034971E0W2U3

Assembly type 2
fully aligned at milling for recess-mounting with front flange on the same plane of the panel surface ◆



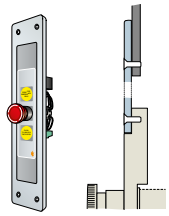
SLIM-HELPYPUSH push-button panel type 2 "CLICK & GO" technology with "mushroom" pressure button for aligned recessed flush fitting in bottom of panel using front flange (only red head of mushroom sticks out) (e.g. To mount on wall panel next to the door frame on the post where no chasing can be carried out).

Supplied with front flange in anodised aluminium with "silver" finish, 250 x 50 mm, thickness 2.5 mm for recess-mounting on the same plane of the panel surface for aligned recessed flush fitting in bottom of plane using front flange.
Cover pre-assembled and fixed into the flange niche.

◆ **In this case, it is advisable to prepare sunk milling during the panel machining phase.**

034972E0W2U

Assembly type 3
for conventional flush mounting with front flange overlapping door frame



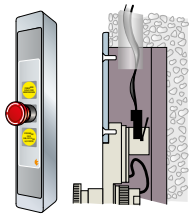
SLIM-HELPYPUSH push-button panel type 3 "CLICK & GO" technology with "mushroom" pressure button for traditional recessed fitting using flange.

Supplied with front flange in anodized aluminium with "silver" finish - 250 x 50mm, thickness 4 mm for flush mounting.
Cover pre-assembled and fixed into the flange niche.

Mounting can be carried out "on site", directly onto the installed door frame.

034973E0W2U

Assembly type 4
for surface mounting with using housing



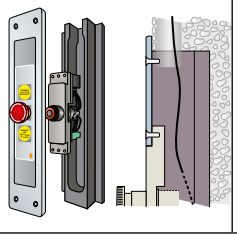
SLIM-HELPYPUSH push-button panel type 4 "CLICK & GO" technology for mounting placed on surface using housing.
With extra-strong protective housing, made in anodized silver finish aluminium (35 x 25 x 215 mm).

Self-adhesive cover in polycarbonate, provided separately and designed to be used as final cover to hide the 4 fixing screws of the housing on the door frame.

Useful when you wish to avoid recess-mounting or cuts on the door frame.

034974E0W2U

Assembly type 5
for recessed wall-mounting with flange and wall-mounting receptacle



SLIM-HELPYPUSH push-button panel type 5 "CLICK & GO" technology with "mushroom" pressure button for recessed assembly using flange and wall box.
Supplied with front flange in anodized aluminium with "silver" finish - 250x50 mm, thickness 4 mm, to be fixed to the housing by placing on wall surface.
Self-adhesive cover in polycarbonate pre-assembled and fixed into the flange niche.
Also fitted with wall box with "wings" for rapid anchoring (65 x 30 x 230 mm), in plastic taken from single block to be assembled "in a niche" in the wall to house the body of the push button panel.

Wall niche and cable channel to be prepared beforehand.

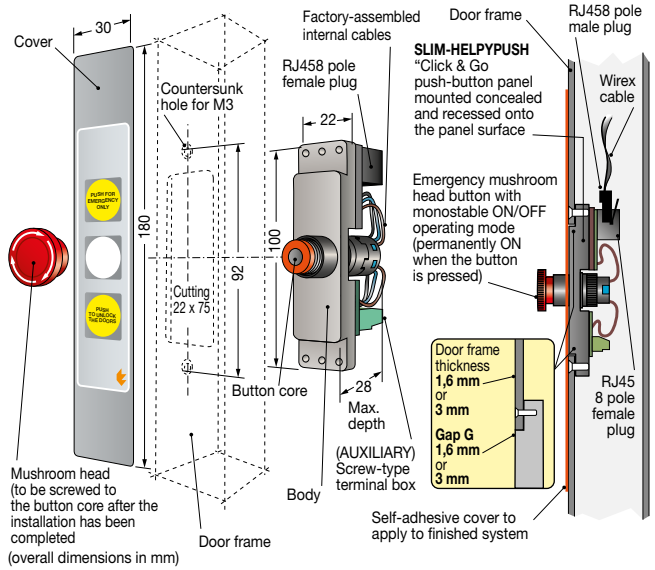
034975E0W2U

Special configurations available at extra charge: Cover with your logo and/or customized.

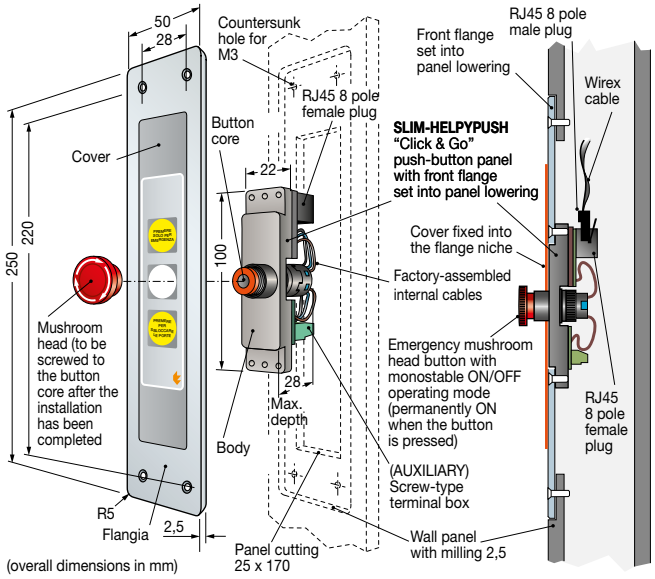
For sizes, measurements and details of chasing, application examples and connection diagrams, see page 27.

SLIM-HELPYPUSH PUSH-BUTTON PANELS - sizes, application examples and connection diagram

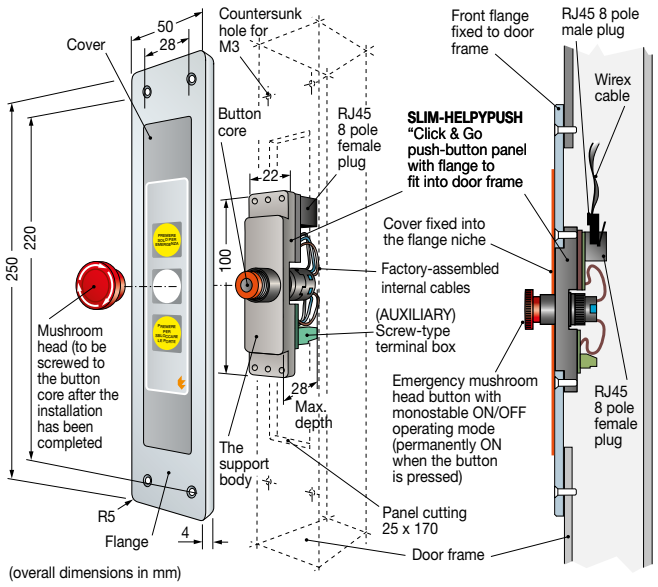
Assembly type 1 fully aligned concealed for recess-mounting
on the same plane of the door frame panel without a flange



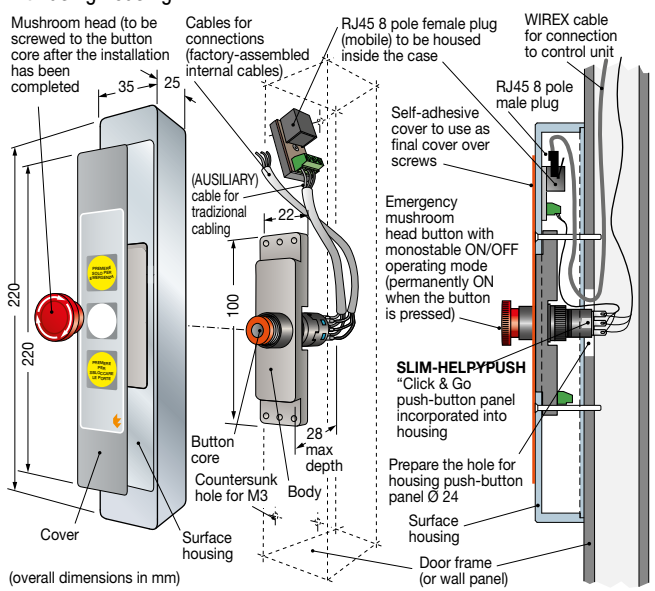
Assembly type 2 fully aligned at milling for recess-mounting
with front flange on the same plane of the panel surface



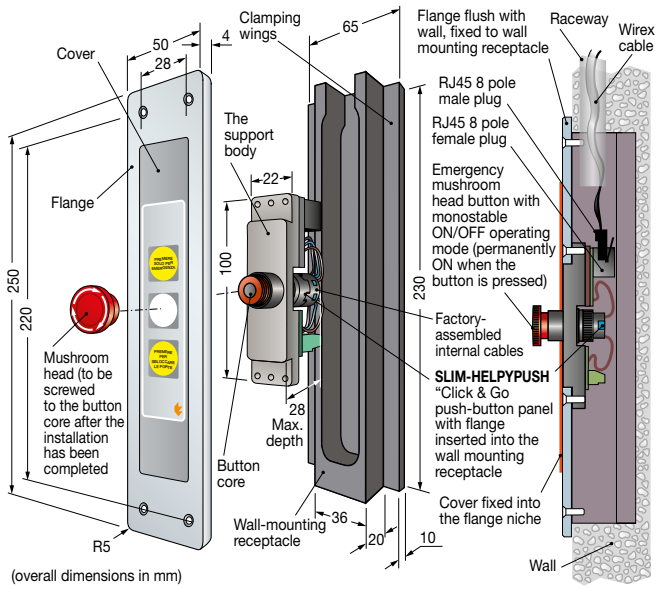
Assembly type 3 for conventional flush mounting
with front flange overlapping door frame



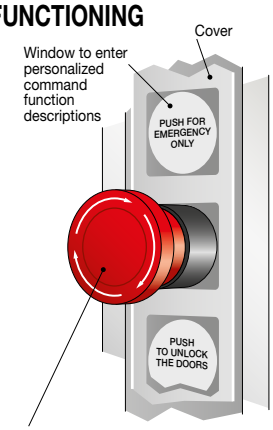
Assembly type 4 for surface mounting
with using housing



Assembly type 5 for recessed mounting in wall-mounting receptacle with flange and wall-mounting receptacle



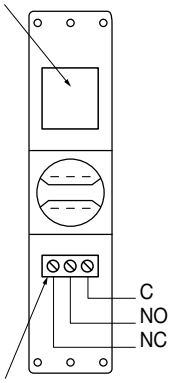
MUSHROOM BUTTON FUNCTIONING



"Mushroom" button
with emergency pressure function.
With ON/OFF function (when pressed, the "mushroom" remains armed in a permanent ON position).
To reset the button, turn the red "mushroom" head clockwise in the direction shown by the white arrow.
The "mushroom" head must be in raised position if the button has been reset from ON to OFF.

CONNECTION DIAGRAM valid for all 5 types

WIRING DIAGRAM
8-pole RJ45 plug for connection with Click & Go technology



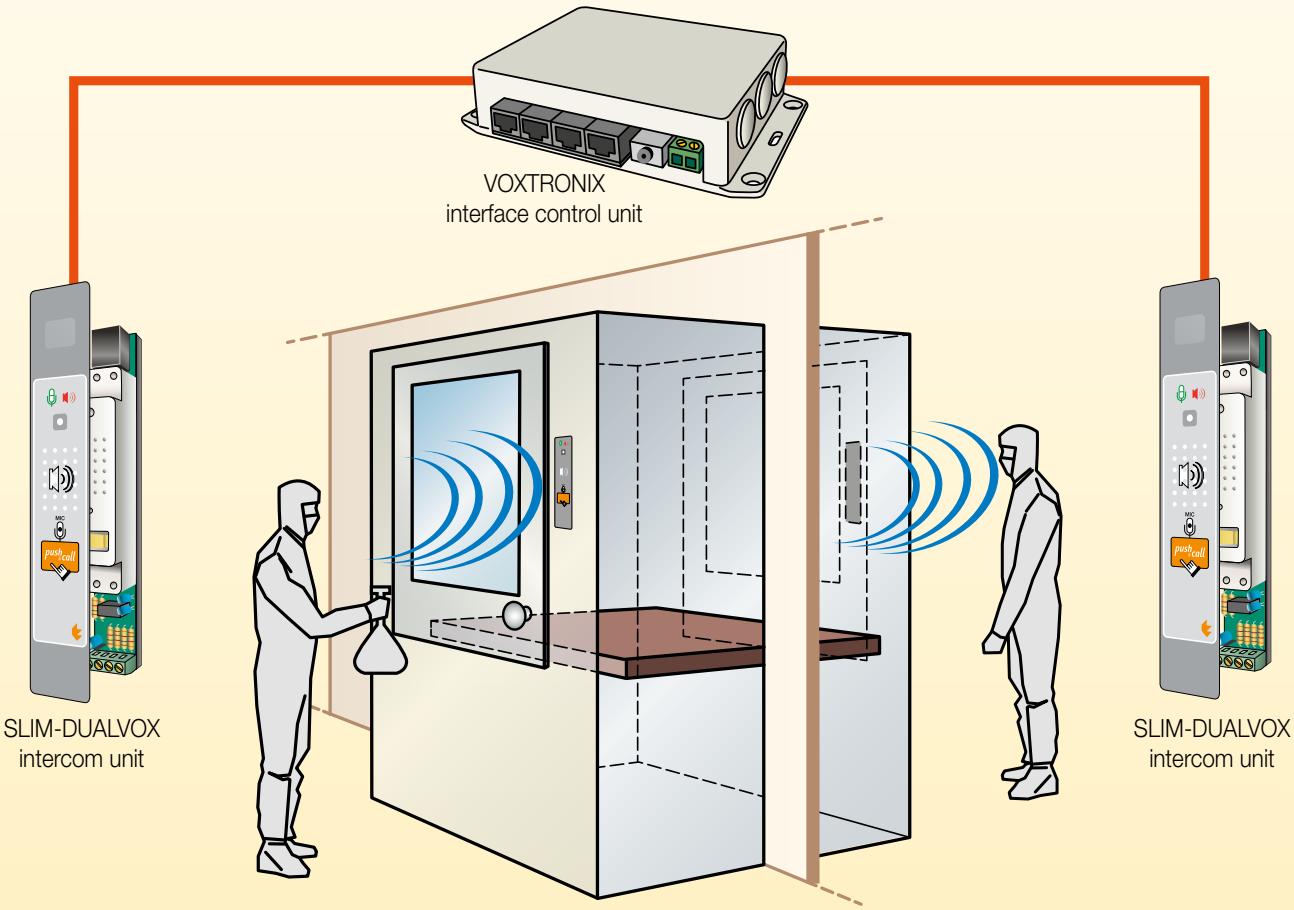
Screw-type terminal box (do not use)

Note: These are dry contacts (potential free types) 0.5A/12VDC rated.
The contact status is indicated by a non-pressed red mushroom head button.

VOXTRONIX

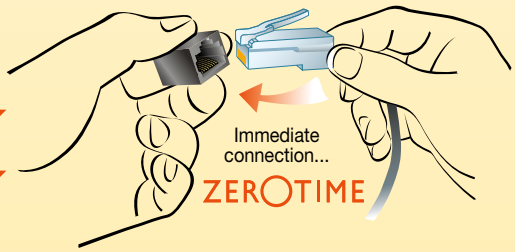
Two-way intercom system for passbox and clean rooms

Cabling systems for immediate installation
with structured and pre-cabled WIREX cables,
fitted with 8-pole RJ45 quick connection plug



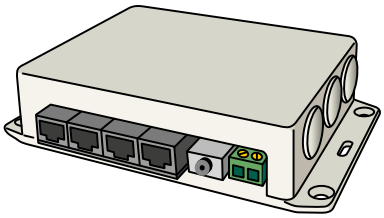
with tecnology

Click&GO ZEROTIME®



Insert the plug connector...
snap it in place...
that's all you need for
a perfectly working system...
Click&Go!

TECNODIMENSIONE
security with style



Microprocessor based VOXTRONIX
PROFESSIONAL TECNODIMENSIONE INTERCOM CONTROL MODULE

An interface that controls the alternating intercom communications system using “push&call” button. It houses the amplification and volume adjustment circuits; it controls two A and B channels which must be connected to two SLIM-DUALVOX intercoms respectively.

One unit... for *3* different needs

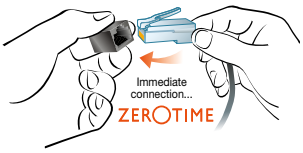
1st Immediate installation ZEROTIME = **Click&Go ZEROTIME**

2nd It can be instantly programmed thanks to the Jumpers = **MULTISELECT**

3rd It has a modular configuration that can be expanded in “cascade” for intercom points or multiple of 2...4...8...12 intercom points without limitations = **EXPANDER**

PERFECT FOR INTERCOM COMMUNICATIONS OF PASSBOX AND CLEAN ROOMS.

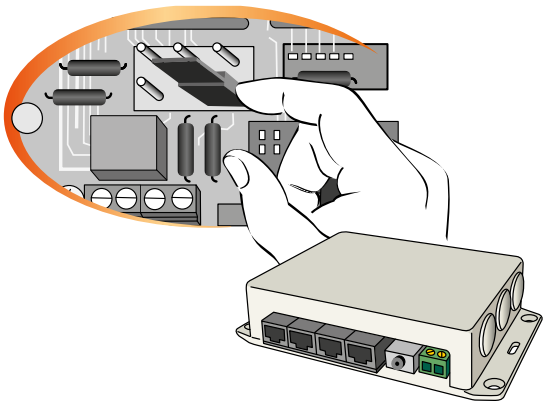
1st Click&GO



Insert the plug connector... snap it in place... that’s all you need for a perfectly working system...

Click&Go!

2nd MULTISELECT



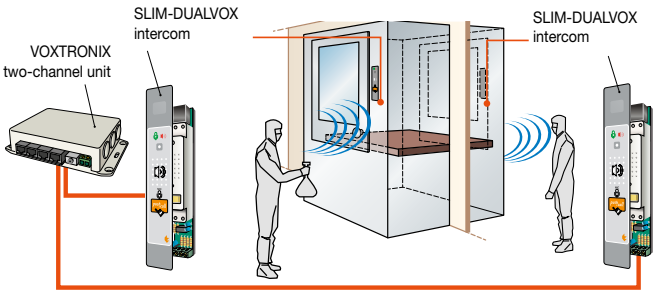
Microprocessor-based VOXTRONIX interface with two channels, to manage 2 SLIM-DUALVOX intercom units.
Tecnodimensione systems can be immediately adapted to all plants, depending on their configuration, both during commissioning and after start-up.
As it does not require changes to the module or the installation of new connection lines, it is the ideal solution to meet current and future customers’ needs.
It is in fact sufficient to use the Jumpers integrated in the module to immediately select the required program.
VOXTRONIX can be programmed in several modes because ...

...it’s **MULTISELECT!**

3rd EXPANDER

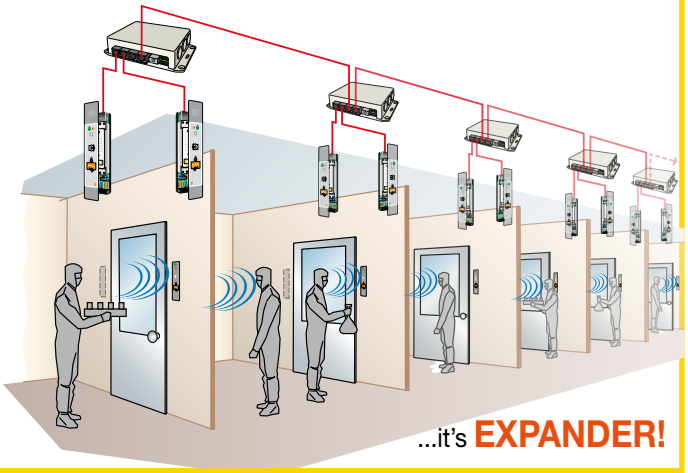
VOXTRONIX base configuration
is made up of 1 two-channel “VOXTRONIX” control interface connected to two “SLIM-DUALVOX” intercoms to create the ideal application for Passbox structures or two isolated rooms.

VOXTRONIX in basic configuration



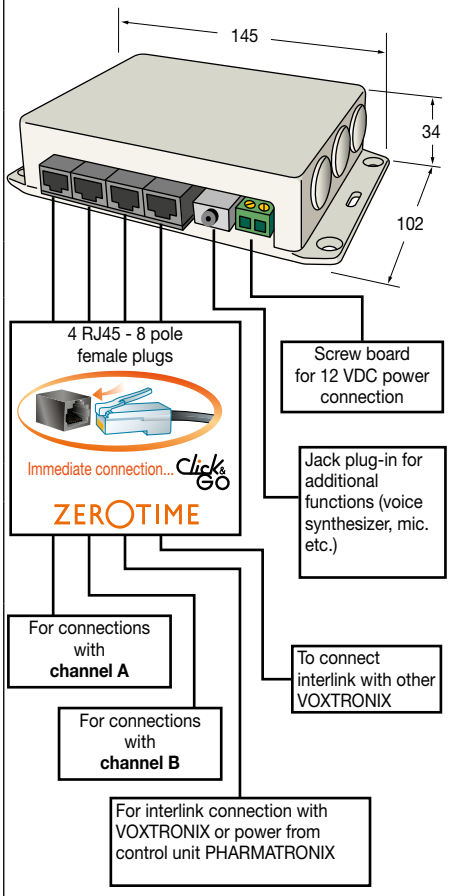
VOXTRONIX is designed to allow the configuration in “cascade” of multiple communication systems
of 2... 4... 8... 12 intercom points without limitations.
By connecting a two channels VOXTRONIX module to the subsequent ones, it is possible to flexibly set-up a multiple intercom system; in this way the communication of any one single point of the system should be listen, contemporarly to all other points and conseguently the replays too...

VOXTRONIX in multiple configuration



...it’s **EXPANDER!**

Two-channel VOXTRONIX
(expandable)



INTERCOM CONTROL MODULE
VOXTRONIX
with RJ45-8 pole quick plug for easy installation and quick wiring

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January 2024

TECNODIMENSIONE®

An interface that controls the alternating intercom communications system using "push&call" button. It houses the amplification and volume adjustment circuits; it controls two A and B channels which must be connected to two SLIM-DUALVOX intercoms respectively.

	Ordering information MODELS	Q.ty N°
"Multiselect", multi-programmable version. Furthermore, the "Expander" version, which can be expanded connecting 2 or more VOXTRONIX modules in cascade to immediately create multiple intercom systems for 2, 4, 6, 8 and more rooms. **Ideal for clean rooms.**		
2-channel models (12V DC power)		
Two-channel VOXTRONIX intercom module with microprocessor to control 2 SLIM-DUALVOX (see page 28) intercom used by 2 people in two different rooms in tandem, in the base configuration. With "Multiselect" multi-programmable logic. "Expander" type can be expanded in "Multi-voxtronix" configuration for multiple rooms with several people in different points for alternated communications in a single phone conference (see selectable programs and configuration example below). "CLICK & GO" technology with RJ45 8-pole female quick plugs. Compact shock-proof plastic case (dimensions 145 x 102 x 34 mm). With 2 screw terminals for 12 VDC connection to a separate power supply (or directly to the PHARMATRONIX unit).	**034968H2W2U** * Module only. Other components are needed for operation, see page 29 and page 30.	

SELECTABLE PROGRAMS (with jumpers): Sound options: on/off warning beep.
Function options: "courtesy" function = automatic communication opening up to 6 seconds or "standard" function = open communication for as long as "push&call" button is held down.

IMPLEMENTATIONS: Increase sound power by additional external speaker to be connected to the SLIM-DUALVOX unit (see specific documentation). Centralised female mic jack (i.e.: star) for general and simultaneous communications to all intercoms in the various separate rooms (or alternating) for connections with additional "voice synthesizers" to automatically send pre-recorded messages and warnings (on request).

CONFIGURATION EXAMPLES

Fig. 1 - BASE configuration for two intercom points
The Tecnodimensione base configuration intercom system is made up of 1 two-channel "VOXTRONIX" control interface connected to two "SLIM-DUALVOX" intercoms to create the ideal application for Passbox structures or two isolated rooms. In fact, two operators in two different rooms can easily communicate reciprocal warnings and voice confirmations with this connection (alternating communications by pressing the "push&call" button).

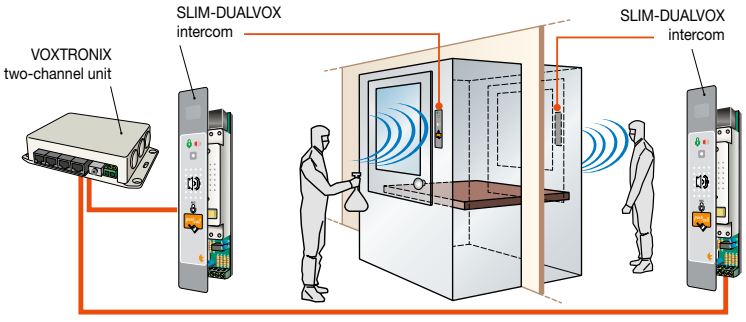

Fig. 1 - Voxtronix BASE configuration

Fig. 2 - "MULTI-VOXTRONIX" configuration for 4, 6, 8 or more intercom points
The Tecnodimensione "VOXTRONIX" system is already set to become a "multiple" intercom system for more than two channels, even 4, 6, 8 or more. Essentially, the "Multi-voxtronix" multiple system is easy to create by interconnecting identical "sister" VOXTRONIX unites to the first two-channel "base" VOXTRONIX interface in cascade via interlink. With this configuration, "Multi-voxtronix" allows several people in remote points to list or communicate in alternation in a single phone conference with fast service communications.
In this way the communication of any one single point of the system should be listen, contemporarly to all other points and conseguently the replays too.

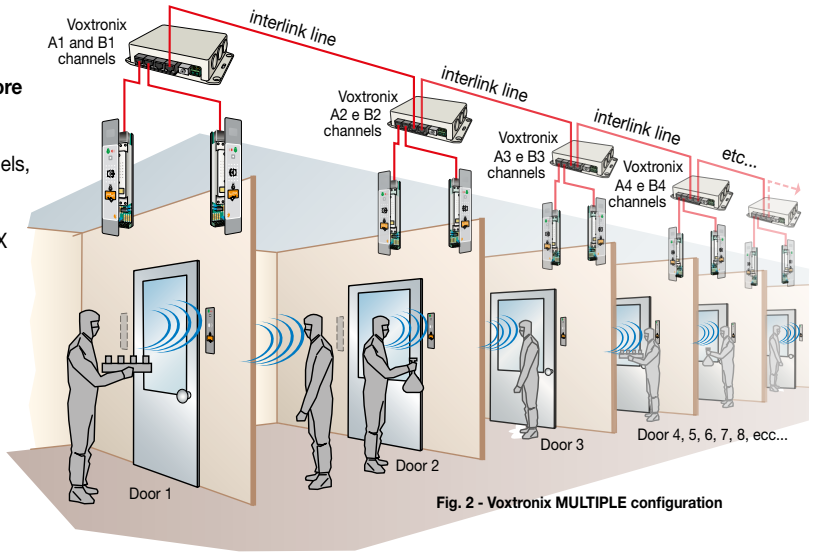

Fig. 2 - Voxtronix MULTIPLE configuration

SLIM-DUALVOX
INTERCOM UNIT
"Push&call" technology for VOXTRONIX intercom system

SLIM-DUALVOX speak-listen with:
- with 1 RJ45-8 pole female quick fit plug for necessary connections with VOXTRONIX module (see page 27).
- 1 bifunctional red/green led to indicate listening/communication status.
- 1 "push&call" button to activate the communication.
- 1 miniature speaker + microphone that work in alternation using the "push&call" button.
- Screw terminal board for remote connection to additional power speaker (for noisy rooms).
- 12 Vdc power supply.
- 1 anti-acid adhesive cover in polycarbonate, 180 x 30 mm, R2,5 thickness 0.3 mm with 7 colour international symbols; with 1 windows for the personalised indication of commands.

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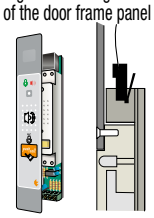
January 2024

TECNODIMENSIONE®

	ordering information	Q.ty
Models for 12 Vdc/70mA power supply	MODELS	N°

Assembly type 1
fully aligned concealed for recess-mounting without flange on the same plane of the door frame panel ✻



SLIM-DUALVOX speak-listen unit type 1 "Click & Go" technology with fully aligned concealed for recess-mounting on the same plane of the door frame panel without flange. Ideal to achieve a surface (without roughness) that is easy to clean. Supplied with front panel and gap G for sections with a thickness of 1.6 mm. Complete with self-adhesive cover designed to be applied after the final installation of the system.

✻ **In this case it is advisable to prepare the recess during the door frame machining.**

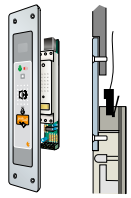
034961CW2U

* Module only. Other components are needed for operation, see page 29 and page 30.

Same with front panel and gap G for sections with a thickness of 3 mm.

034961CW2U3

Assembly type 2
fully aligned at milling for recess-mounting with front flange on the same plane of the panel surface ◆



SLIM-DUALVOX speak-listen unit type 2 "Click & Go" technology for aligned recessed flush fitting in bottom of panel using front flange (e.g. To mount on wall panel next to the door frame on the post where no chasing can be carried out).

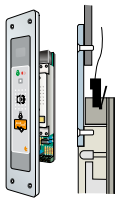
Supplied with front flange in anodized aluminium with "silver" finish - 250 x 50 mm, thickness 2.5 mm for recess-mounting on the same plane of the panel surface for aligned recessed flush fitting in bottom of plane using front flange.
Cover pre-assembled and fixed into the flange niche.

◆ **In this case, it is advisable to prepare sunk milling during the panel machining phase.**

034962CW2U

* Module only. Other components are needed for operation, see page 29 and page 30..

Assembly type 3
for conventional flush mounting with front flange overlapping door frame



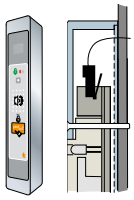
SLIM-DUALVOX speak-listen unit type 3 "Click & Go" technology for traditional recessed fitting using flange.
Supplied with front flange in anodized aluminium with "silver" finish - 250 x 50mm, thickness 4 mm for flush mounting.
Cover pre-assembled and fixed into the flange niche.

Mounting can be carried out "on site", directly onto the installed door frame.

034963CW2U

* Module only. Other components are needed for operation, see page 29 and page 30.

Assembly type 4
for surface mounting with using housing



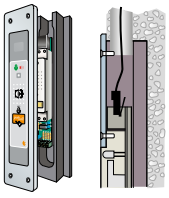
SLIM-DUALVOX speak-listen unit type 4 "Click & Go" technology for mounting placed on surface using housing.
With extra-strong protective housing, made in anodized silver finish aluminium (35 x 25 x 215 mm).
Self-adhesive cover in polycarbonate, provided separately and designed to be used as final cover to hide the 4 fixing screws of the housing on the door frame.

Useful when you wish to avoid recess-mounting or cuts on the door frame.

034964CW2U

* Module only. Other components are needed for operation, see page 29 and page 30.

Assembly type 5
for recessed wall-mounting with flange and wall-mounting receptacle



SLIM-DUALVOX speak-listen unit type 5 "Click & Go" technology for recessed assembly using flange and wall box.
Supplied with front flange in anodized aluminium with "silver" finish - 250 x 50 mm, thickness 4 mm, to be fixed to the housing by placing on wall surface.
Self-adhesive cover in polycarbonate pre-assembled and fixed into the flange niche.
Also fitted with wall box with "wings" for rapid anchoring (65 x 30 x 230 mm), in plastic taken from single block to be assembled "in a niche" in the wall to house the body of the speak-listen unit.

Wall niche and cable channel to be prepared beforehand.

034965CW2U

* Module only. Other components are needed for operation, see page 29 and page 30.

Noise-proof power **SPEAKER** (Ø 150 mm) for noisy environments to connect to the screw-on terminal of the SLIM-DUALVOX listen-speak unit.

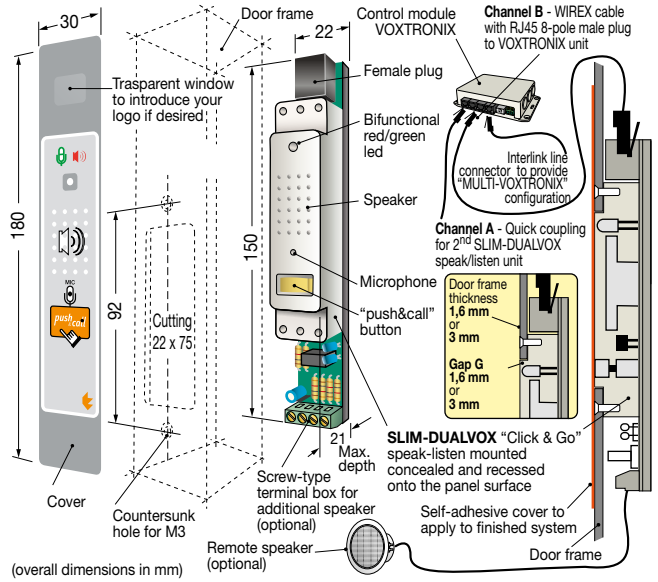
034969MST4
(opzional)

Special configurations available at extra charge: Cover with your logo and/or customized.

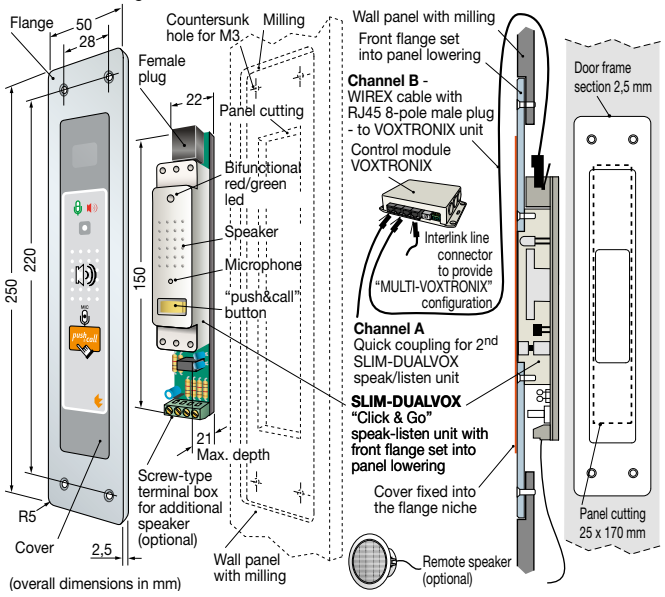
For sizes, measurements and details of chasing, application examples and connection diagrams, see page 32.

SLIM-DUALVOX INTERCOM UNIT - sizes, application examples and connection diagram

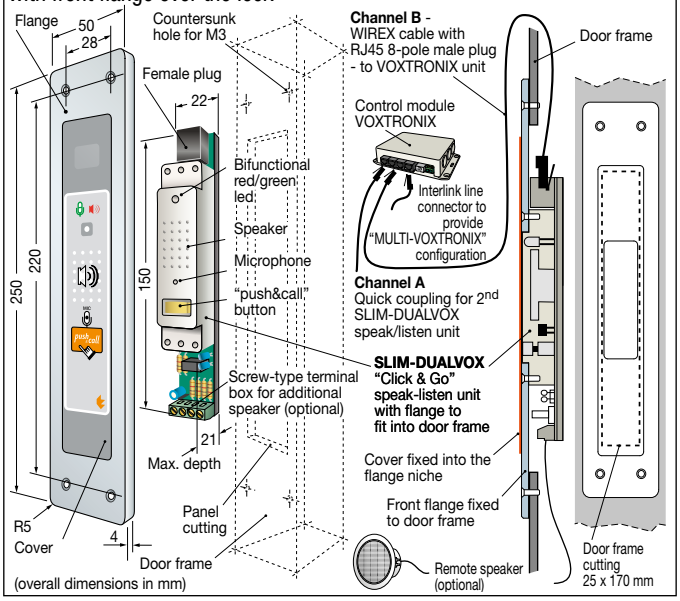
Assembly type 1 total alignment,
lock recessed into surface without flange



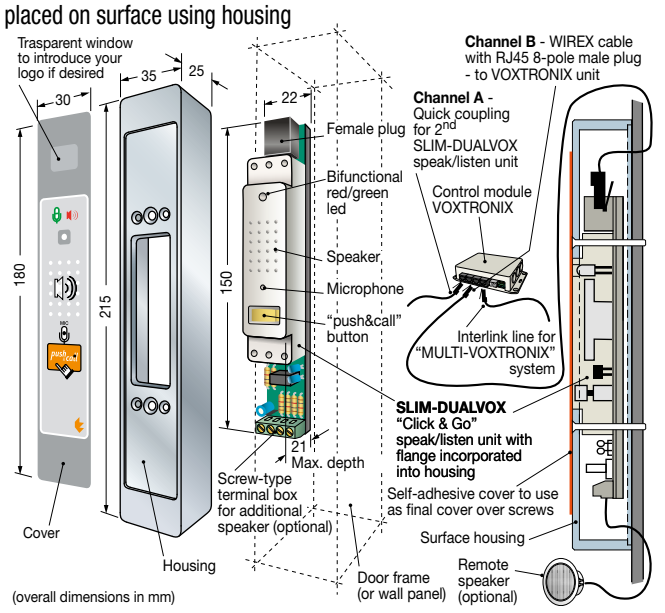
Assembly type 2 alignment at bottom
with front flange "flush with surface" at bottom



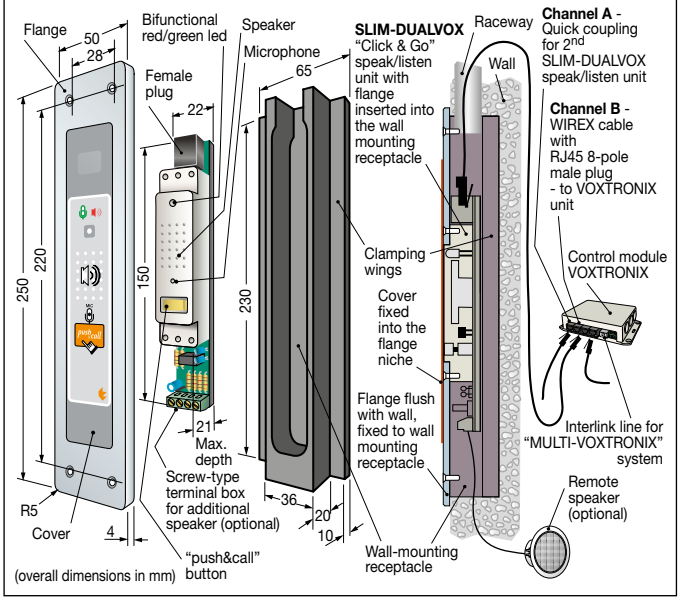
Assembly type 3 traditional fitting
with front flange over the lock



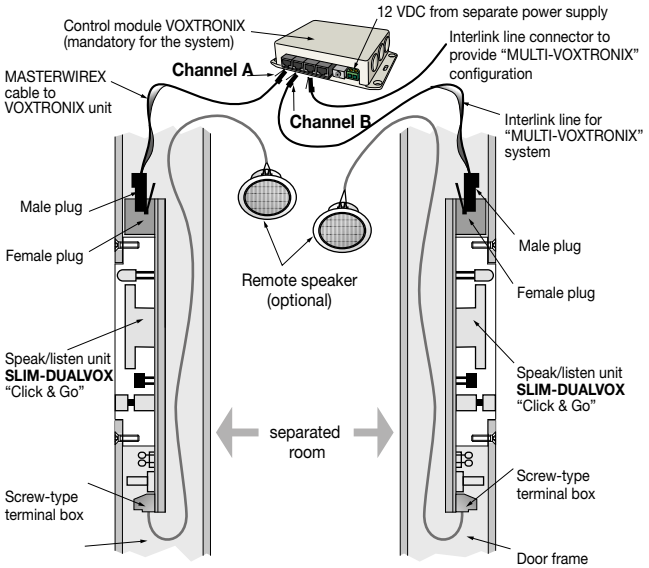
Assembly type 4 for mounting
placed on surface using housing



Assembly type 5 for recessed
wall mounting with flange and wall box



WIREX FAST CONNECTING CABLES
(basic configuration for 2 stations)



VOXTRONIX

Basic configuration of the speak-listen intercom system for passbox and clean rooms, with immediate connection

with technology Click&Go ZEROTIME®

with structured and pre-cabled WIREX cables, fitted with 8 pole RJ45 quick connection plug

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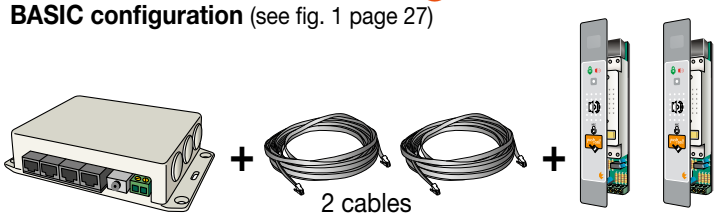
January 2024

TECNODIMENSIONE®

	ordering information		Q.ty
	MODELS		N°

Basic kit configuration for two type 1 speak-listen stations for assembly in BASIC configuration (see fig. 1 page 27)



1 module **Voxtronix** + 2 cables **MASTERWIREX** standard length 10 mt. (other lengths on request) + 2 listen-talk units **SLIM-DUALVOX type 1**

VOXTRONIX	034968H2W2U		
MASTERWIREX	034928WD		
MASTERWIREX	034928WD		
SLIM-DUALVOX	034961CW2U		
SLIM-DUALVOX	034961CW2U (NB: unit with gap G 1,6 mm, for gap G 3 mm see page 28)		
COMPLETE BASIC KIT type 1	**TOTAL**		

Basic kit configuration for two type 2 speak-listen stations for assembly in BASIC configuration (see fig. 1 page 27)

1 module **Voxtronix** + 2 cables **MASTERWIREX** standard length 10 mt. (other lengths on request) + 2 listen-talk units **SLIM-DUALVOX type 2**

VOXTRONIX	034968H2W2U		
MASTERWIREX	034928WD		
MASTERWIREX	034928WD		
SLIM-DUALVOX	034962CW2U		
SLIM-DUALVOX	034962CW2U		
COMPLETE BASIC KIT type 2	**TOTAL**		

Basic kit configuration for two type 3 speak-listen stations for assembly in BASIC configuration (see fig. 1 page 27)

1 module **Voxtronix** + 2 cables **MASTERWIREX** standard length 10 mt. (other lengths on request) + 2 listen-talk units **SLIM-DUALVOX type 3**

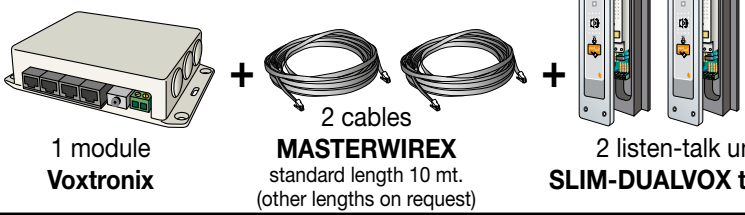
VOXTRONIX	034968H2W2U		
MASTERWIREX	034928WD		
MASTERWIREX	034928WD		
SLIM-DUALVOX	034963CW2U		
SLIM-DUALVOX	034963CW2U		
COMPLETE BASIC KIT type 3	**TOTAL**		

Basic kit configuration for two type 4 speak-listen stations for assembly in BASIC configuration (see fig. 1 page 27)

1 module **Voxtronix** + 2 cables **MASTERWIREX** standard length 10 mt. (other lengths on request) + 2 listen-talk units **SLIM-DUALVOX type 4**

VOXTRONIX	034968H2W2U		
MASTERWIREX	034928WD		
MASTERWIREX	034928WD		
SLIM-DUALVOX	034964CW2U		
SLIM-DUALVOX	034964CW2U		
COMPLETE BASIC KIT type 4	**TOTAL**		

Basic kit configuration for two type 5 speak-listen stations for assembly in BASIC configuration (see fig. 1 page 27)



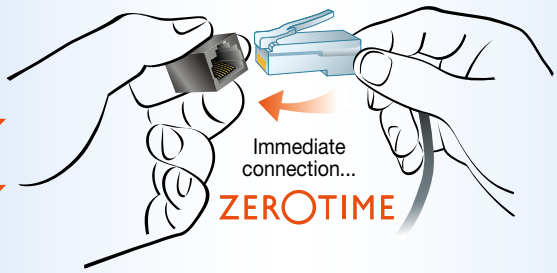
1 module **Voxtronix** + 2 cables **MASTERWIREX** standard length 10 mt. (other lengths on request) + 2 listen-talk units **SLIM-DUALVOX type 5**

VOXTRONIX	034968H2W2U		
MASTERWIREX	034928WD		
MASTERWIREX	034928WD		
SLIM-DUALVOX	034965CW2U		
SLIM-DUALVOX	034965CW2U		
COMPLETE BASIC KIT type 5	**TOTAL**		

The MULTIVOXTRONIX configuration with 4, 6, 8 or more speak-listen stations (see fig. 2, page 27) is the sum of the aforesaid BASIC KITS (with 2 stations).

DOOR MANAGEMENT SYSTEMS

with tecnology Click&GO ZEROTIME®

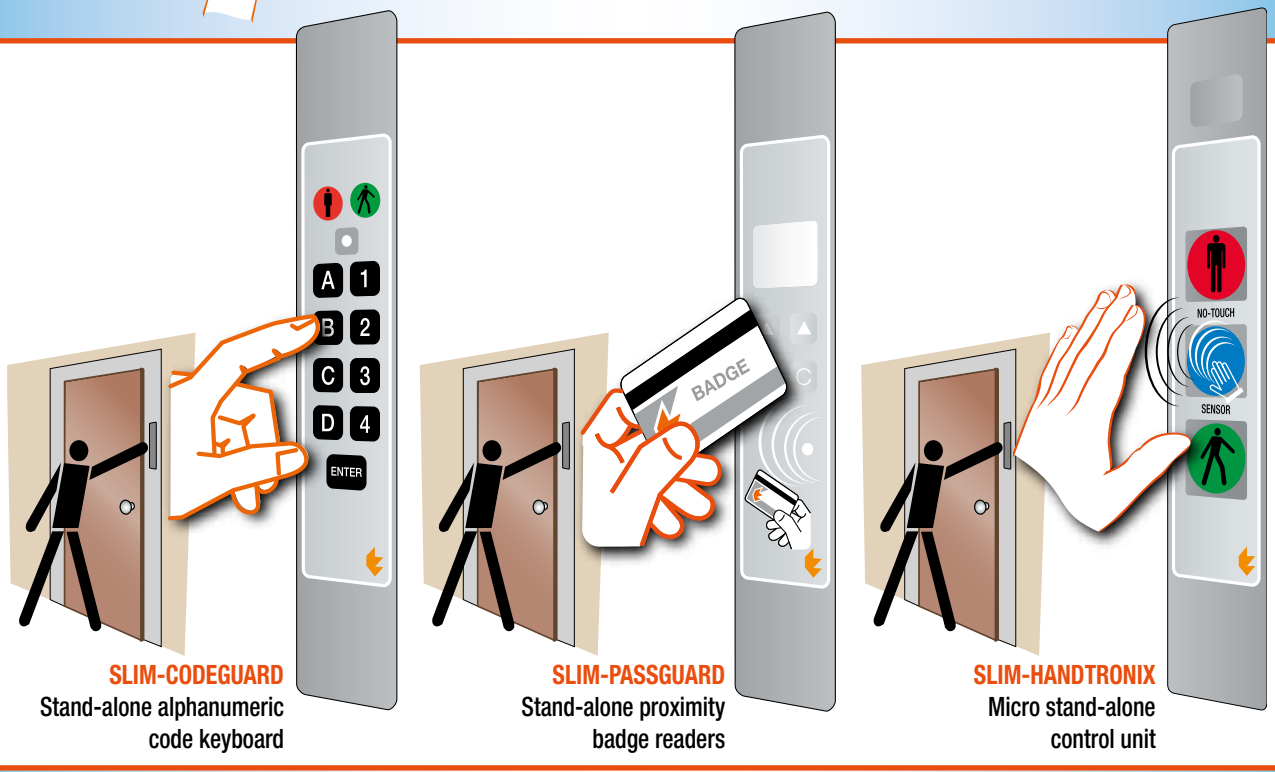


Insert the plug connector...
snap it in place...
that's all you need for
a perfectly working system...
Click&Go!

STAND-ALONE UNIT

Readers and numerical keypads for creating access control systems

3 devices with 5 different functions,
in a single unified convertible module



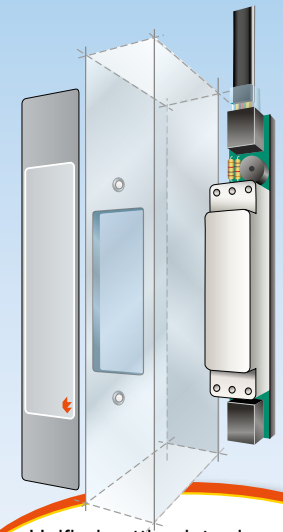
SLIM-CODEGUARD
Stand-alone alphanumeric code keyboard

SLIM-PASSGUARD
Stand-alone proximity badge readers

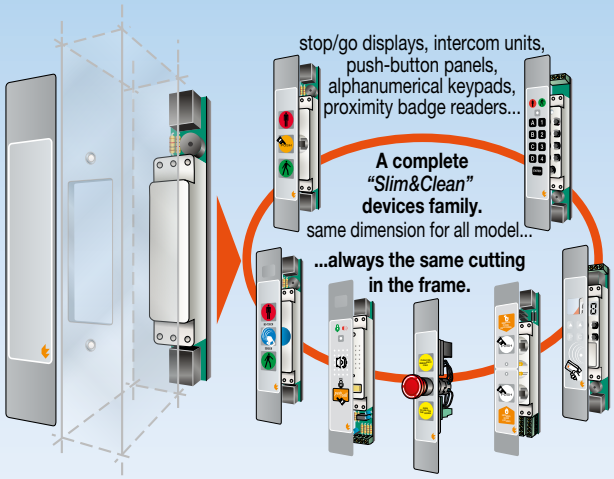
SLIM-HANDTRONIX
Micro stand-alone control unit

in 5 installation types next to door.

Ultraslim and supercompact devices



Unified cutting into door frame (22 x 75 mm) made in advance during the frame processing phase... all ***"SLIM&CLEAN"*** devices can be housed in the field.



As exactly dimensioned like all other devices in the ***"SLIM&CLEAN"*** line to be interchangeable and freely housed in the same frame cuts and settings...

... they are **MODULAR!**

DOOR MANAGEMENT SYSTEMS

"SLIM&CLEAN"
ALPHANUMERICAL KEYPADS, BADGE READERS and ... ... MANAGEMENT UNITS

Alphnumerical keypad

SLIM-CODEGUARD
for authorized accesses that require the entry of an access code.

Proximity badge reader

SLIM-PASSGUARD
for authorized accesses with badge reader.

Micro control unit

SLIM-HANDTRONIX
this unit is not simply "No-touch sensorized Stop/Go display" but actually micro stand-alone unit designed to fully control one single door equipped with electrical lock.

TECNODIMENSIONE
security with style

Ultraslim and supercompact devices
in unified convertible format in 5 installation types next to door.

SLIM& MODULAR

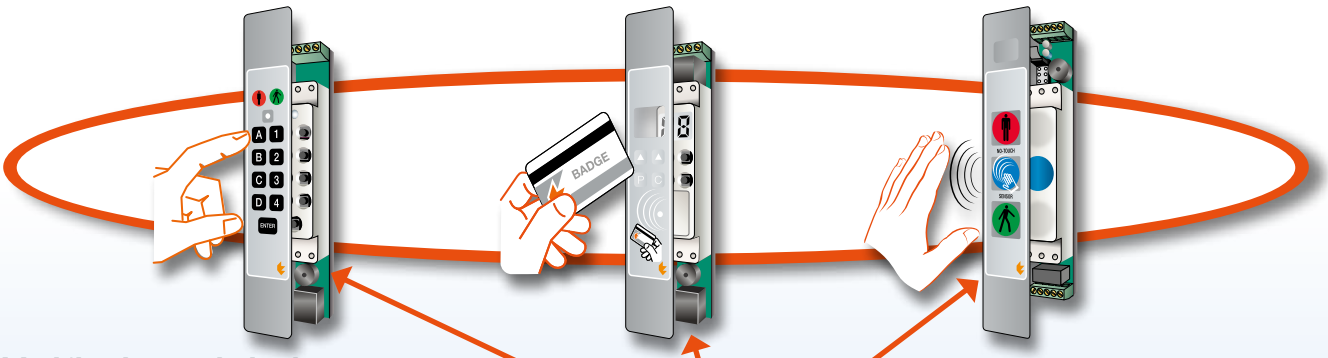
with tecnology Click&GO ZEROTIME®

Insert the plug connector...
snap it in place...
that's all you need for
a perfectly working system...
Click&Go!

Alphanumerical keypads
SLIM-CODEGUARD

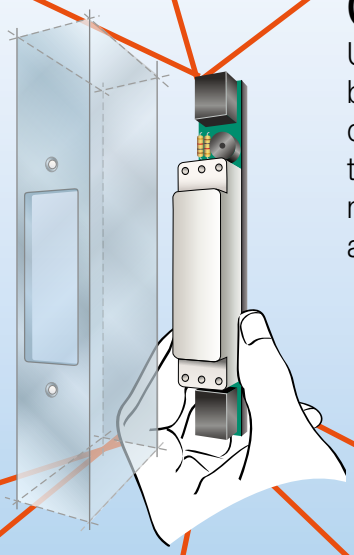
Proximity badge readers
SLIM-PASSGUARD

Micro stand-alone control unit
SLIM-HANDTRONIX



Unified module because....

A full SLIM & MODULAR range of devices with different functions, operations and purposes (code key pad, badge readers, micro stop and go display control panels, and stop and go display panels, entryphones and button panels on same series...) designed and made bearing in mind a single module of one size (Same for all). In fact, all the devices have the same appearance, size and modularity in order to be interchangeable and to be housed in the same unified chasing of the previous lock.

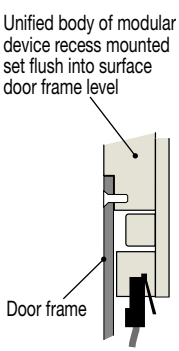


Convertible because...

Using unified flanges, cases and boxes, any unified SLIM & MODULAR device is convertible into 5 different types that can be installed in any way, next to the door, based on the assembly needs found in the field.

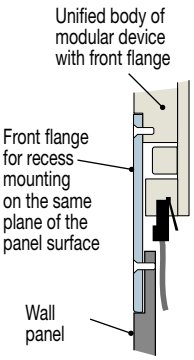
Assembly type 1

fully aligned concealed
for recess-mounting without flange on the same plane of the door frame panel



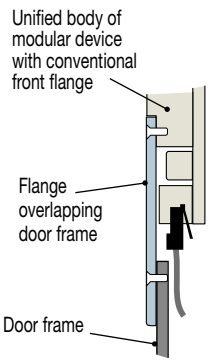
Assembly type 2

fully aligned at milling
or recess-mounting with front flange on the same plane of the panel surface



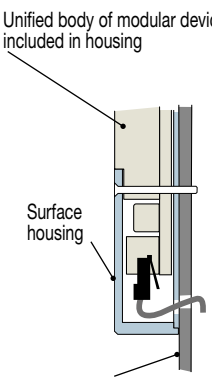
Assembly type 3

for conventional flush mounting
with front flange overlapping door frame



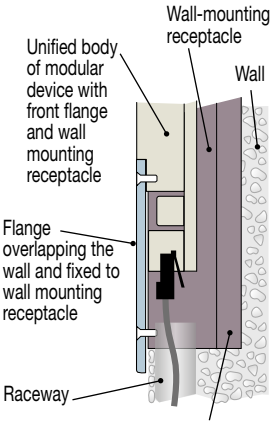
Assembly type 4

for surface mounting
with using housing



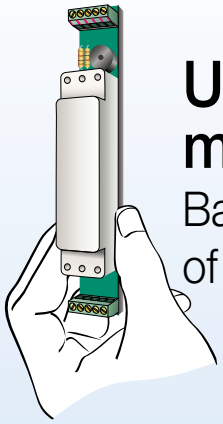
Assembly type 5

for recessed wall-mounting
with flange and wall-mounting receptacle



Unified convertible module.

Basic reference for construction of each SLIM & MODULAR device.



3 devices with *5* different functions all sized for a single unified module

Alphanumerical keypads
SLIM-CODEGUARD

for authorised accesses by typing access codes only.

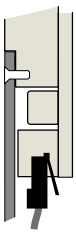
Proximity badge readers
SLIM-PASSGUARD

for authorised accesses via personal touch badge only.

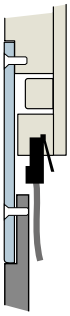
Stop and Go micro stand-alone control unit
SLIM-HANDTRONIX

in addition to being a sensorized No-touch stop and go display, it is also a real micro control panel that can autonomously manage a single door with electric lock.

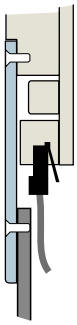
All convertible into *5* different types of installation next to the door.



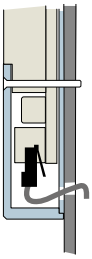
Assembly type
1 fully aligned concealed for recess-mounting without flange on the same plane of the door frame panel



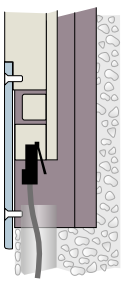
Assembly type
2 fully aligned at milling or recess-mounting with front flange on the same plane of the panel surface



Assembly type
3 for conventional flush mounting with front flange overlapping door frame



Assembly type
4 for surface mounting with using housing



Assembly type
5 for recessed wall-mounting with flange and wall-mounting receptacle

SLIM-CODEGUARD STAND-ALONE
PROFESSIONAL KEYPADS WITH ACCESS CODES
With quick fitting 8 pole RJ45 plug to simplify installation and wiring

Export Product-list
January 2024

TECNODIMENSIONE®

Click & GO ZEROTIME®

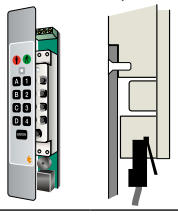
Programmable and modifiable without limitations directly on site using the keypad (by entering the proprietary programming code, that can also be customised on-site).

Length of access code: 2-8 digits (programmable).

- "CLICK & GO" technology, with 1 RJ45 8-pole quick fitting female plug for connection to PHARMATRONIX control unit.
- 8 alphanumerical keys + Enter key for entering the codes.
- 2VDC/70 mA power supply.
- NO → NC output contact (for code recognition), 12VDC/1A rating for door opening control, timed at app. 5 seconds.
- two-color R/G LED + buzzer to confirm the opening of the door.
- 1 self-adhesive cover in polycarbonate, 180 x 30 mm R2,5 - thickness 0.3 mm, with international symbols, available in 7 colours, designed to be applied after the final installation of the system.

Ordering information		Q.ty
Models for 12Vdc/70mA power supply (on request on order models 24Vdc)	**MODELS**	**N°**

Assembly type 1
fully aligned concealed for recess-mounting without flange on the same plane of the door frame panel ✻



SLIM-CODEGUARD access code keypad, Type 1 "CLICK & GO" technology, with fully aligned concealed for recess-mounting on the same plane of the door frame panel without a flange. Ideal to achieve a surface (without roughness) that is easy to clean. Supplied with front panel and gap G for sections with a thickness of 1.6 mm. Complete with self-adhesive cover designed to be applied after the final installation of the system.

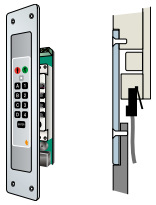
✻ In this case it is advisable to prepare the recess during the door frame machining.

034991NW2U

Same with front panel and gap G for sections with a thickness of 3 mm.

034991NW2U3

Assembly type 2
fully aligned at milling for recess-mounting with front flange on the same plane of the panel surface ◆



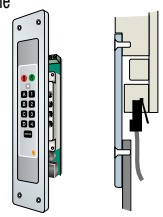
SLIM-CODEGUARD access code keypad, Type 2 "CLICK & GO" technology, for aligned recessed flush fitting in bottom of panel using front flange (e.g. To mount on wall panel next to the door frame on the post where no chasing can be carried out).

Supplied with front flange in anodized aluminium with "silver" finish - 250 x 50 mm, thickness 2.5 mm for recess-mounting on the same plane of the panel surface for aligned recessed flush fitting in bottom of plane using front flange.
Cover pre-assembled and fixed into the flange niche.

◆ In this case, it is advisable to prepare sunk milling during the panel machining phase.

034992NW2U

Assembly type 3
for conventional flush mounting with front flange overlapping door frame

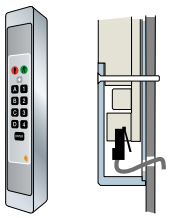


SLIM-CODEGUARD access code keypad, Type 3 "CLICK & GO" technology, for traditional recessed fitting using flange.
Supplied with front flange in anodized aluminium with "silver" finish - 250 x 50mm, thickness 4 mm for flush mounting.
Cover pre-assembled and fixed into the flange niche.

Mounting can be carried out "on site", directly onto the installed door frame.

034993NW2U

Assembly type 4
for surface mounting with using housing

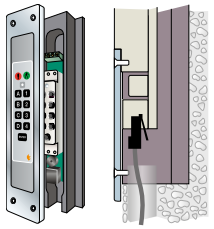


SLIM-CODEGUARD access code keypad, Type 4 "CLICK & GO" technology, for mounting placed on surface using housing.
With extra-strong protective housing, made in anodized silver finish aluminium (35 x 25 x 215 mm).
Self-adhesive cover in polycarbonate, provided separately and designed to be used as final cover to hide the 4 fixing screws of the housing on the door frame.

Useful when you wish to avoid recess-mounting or cuts on the door frame.

034994NW2U

Assembly type 5
for recessed wall-mounting with flange and wall-mounting receptacle



SLIM-CODEGUARD access code keypad, Type 5 "CLICK & GO" technology, for recessed assembly using flange and wall box.
Supplied with front flange in anodized aluminium with "silver" finish - 250 x 50 mm, thickness 4 mm, to be fixed to the housing by placing on wall surface.
Self-adhesive cover in polycarbonate pre-assembled and fixed into the flange niche.
Also fitted with wall box with "wings" for rapid anchoring (65 x 30 x 230 mm), in plastic taken from single block to be assembled "in a niche" in the wall to house the body of the keypad.

Wall niche and cable channel to be prepared beforehand.

034995NW2U

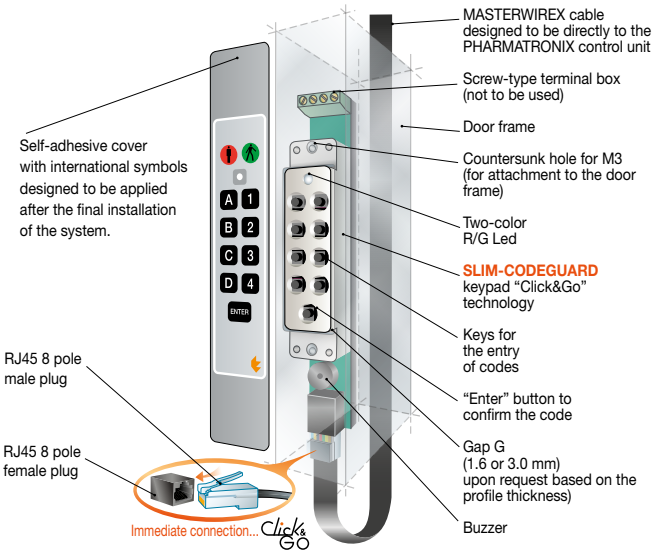
Special configurations available at extra charge: Cover with your logo and/or customized.

For sizes, measurements and details of chasing, application examples and connection diagrams, see page 39.

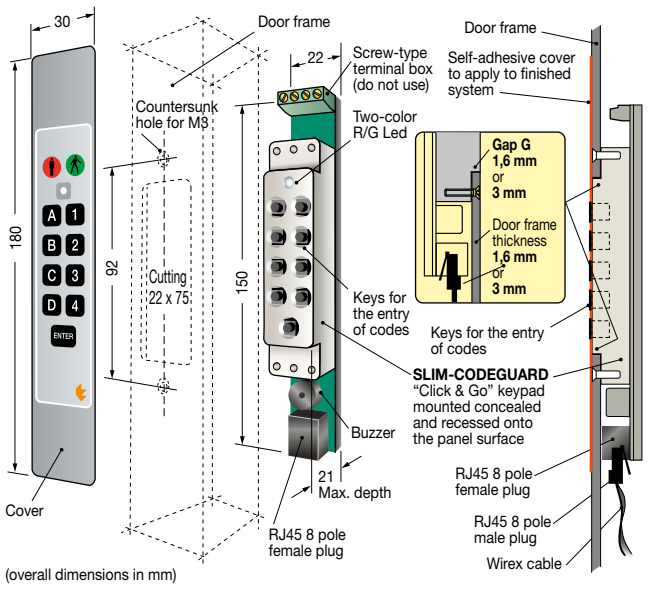
SLIM-CODEGUARD keypads with access codes - sizes, application examples and connection diagram

Detail of the components and control buttons of the unit SLIM-CODEGUARD

Example of "Click & Go" connection via Masterwirex cable

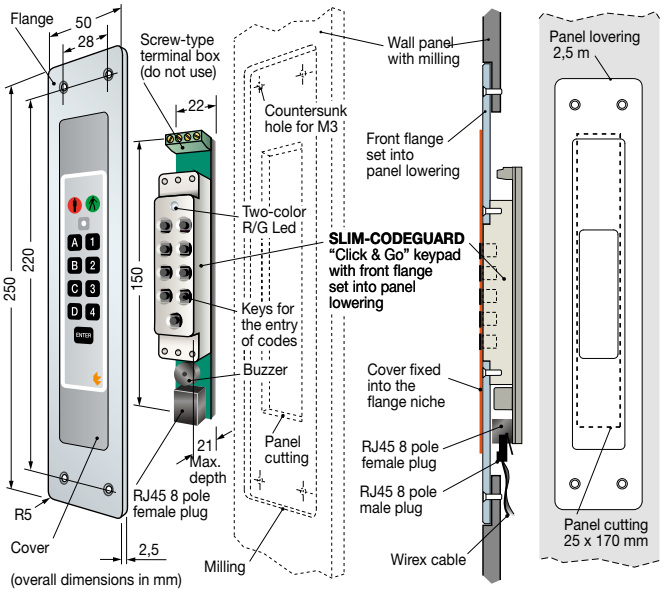


Assembly type 1 fully aligned concealed for recess-mounting on the same plane of the door frame panel without a flange



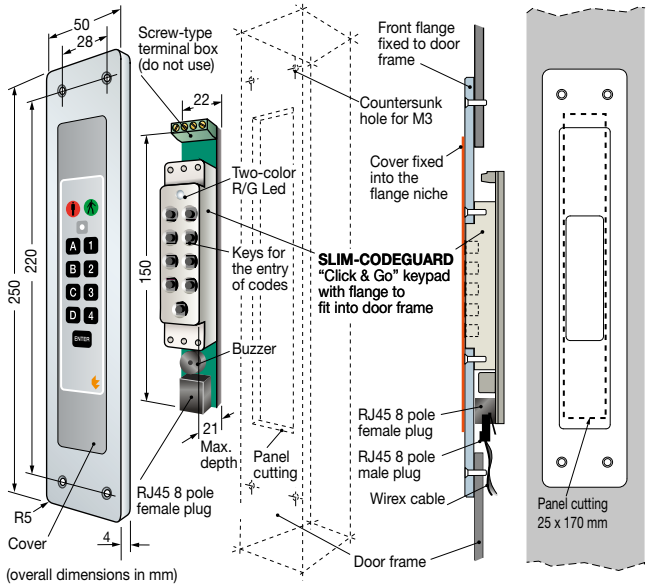
(overall dimensions in mm)

Assembly type 2 fully aligned at milling for recess-mounting with front flange on the same plane of the panel surface



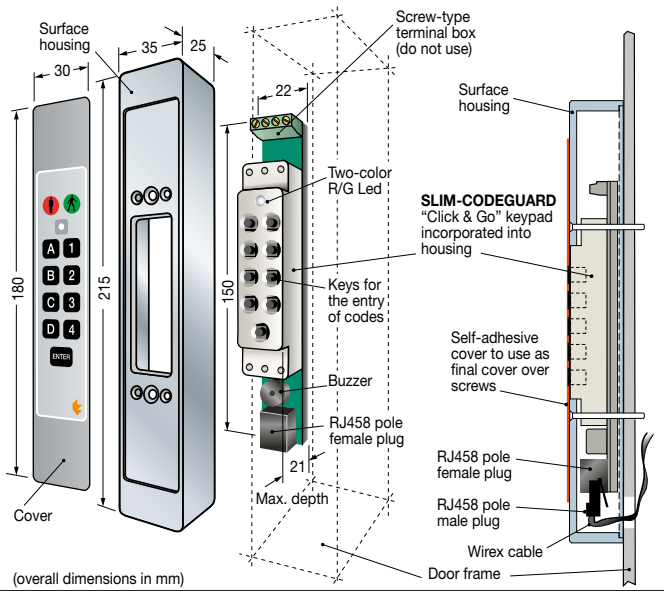
(overall dimensions in mm)

Assembly type 3 for conventional flush mounting with front flange overlapping door frame



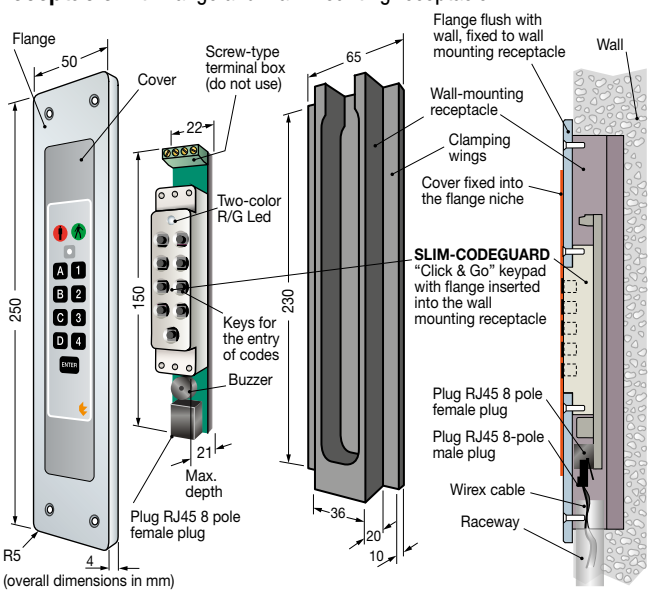
(overall dimensions in mm)

Assembly type 4 for surface mounting with using housing



(overall dimensions in mm)

Assembly type 5 for recessed mounting in wall-mounting receptacle with flange and wall-mounting receptacle



(overall dimensions in mm)

SLIM-PASSGUARD STAND-ALONE
PROFESSIONAL PROXIMITY BADGE READERS
With quick fitting 8 pole RJ45 plug to simplify installation and wiring

Proximity badge reader, for controlling accesses by means of individual swipe badges.
Able of managing up to 99 badges.
Supplied with a proprietary "master badge" for programming the authorisation/deletion/ revocation of each badge without limitations and on-site.
Available in standalone version and with selflearning feature.
- "CLICK & GO" technology, with 1 RJ45 8-pole quick fitting female plug for connection to PHARMATRONIX control unit.
- 1 alphanumerical display with 2 digits
- 4 feature keys (that can be programmed directly on the reader)
- 12 VDC/70 mA power supply
- 1 NO → NC output contact (for badge recognition), 12 VDC/1A rating for door opening control, timed at app. 5 seconds

Accessories supplied as standard: self-adhesive cover in polycarbonate, 180 x 30 mm, radius 2.5, thickness 0.3 mm, with international symbols that can be applied once the installation has been completed. Supplied with 1 master badge + 3 additional badges (see below).

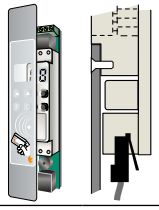
Export Product-list
January 2024

TECNODIMENSIONE®

Click & GO ZEROTIME®

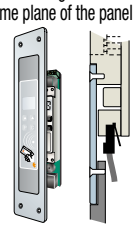
ordering information		Q.ty
Models for 12 VDC power supply and/or 24Vdc	MODELS	N°

Assembly type 1
fully aligned concealed for recess-mounting without flange on the same plane of the door frame panel ✻



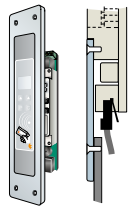
SLIM-PASSGUARD proximity badge reader type 1 "CLICK & GO" technology, with fully aligned concealed for recess-mounting on the same plane of the door frame panel without flange. Ideal to achieve a "smooth" surface (without roughness) that is easy to clean. Supplied with diffuser screen and gap G for sections with a thickness of 1.6 mm. Complete with self-adhesive cover designed to be applied after the final installation of the system. **✻ In this case it is advisable to prepare the recess during the door frame machining.**	034991TW2U	
Same with front panel and gap G for sections with a thickness of 3 mm.	034991TW2U3	
Note: readers able to manage up to 255 badges are available at an extra charge. In this case, add X to the product codes listed above.	----------X	

Assembly type 2
fully aligned at milling for recess-mounting with front flange on the same plane of the panel surface ◆



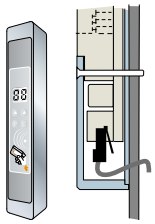
SLIM-PASSGUARD proximity badge reader type 2 "CLICK & GO" technology, for aligned recessed flush fitting in bottom of panel using front flange (e.g. To mount on wall panel next to the door frame on the post where no chasing can be carried out). Supplied with front flange in anodized aluminium with "silver" finish - 250 x 50 mm, thickness 2.5 mm for recess-mounting on the same plane of the panel surface for aligned recessed flush fitting in bottom of plane using front flange. Cover pre-assembled and fixed into the flange niche. **◆ In this case, it is advisable to prepare sunk milling during the panel machining phase.**	034992TW2U	
Note: readers able to manage up to 255 badges are available at an extra charge. In this case, add X to the product codes listed above.	----------X	

Assembly type 3
for conventional flush mounting with front flange overlapping door frame



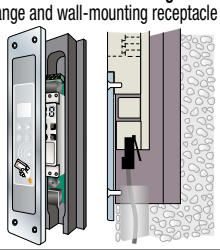
SLIM-PASSGUARD proximity badge reader, type 3 "CLICK & GO" technology, for traditional recessed fitting using flange. Supplied with front flange in anodized aluminium with "silver" finish - 250 x 50mm, thickness 4 mm for flush mounting. Cover pre-assembled and fixed into the flange niche. **Mounting can be carried out "on site", directly onto the installed door frame.**	034993TW2U	
Note: readers able to manage up to 255 badges are available at an extra charge. In this case, add X to the product codes listed above.	----------X	

Assembly type 4
for surface mounting with using housing



SLIM-PASSGUARD proximity badge reader, type 4 "CLICK & GO" technology, for mounting placed on surface using housing. With extra-strong protective housing, made in anodized silver finish aluminium (35 x 25 x 215 mm). Self-adhesive cover in polycarbonate, provided separately and designed to be used as final cover to hide the 4 fixing screws of the housing on the door frame. **Useful when you wish to avoid recess-mounting or cuts on the door frame.**	034994TW2U	
Note: readers able to manage up to 255 badges are available at an extra charge. In this case, add X to the product codes listed above.	----------X	

Assembly type 5
for recessed wall-mounting with flange and wall-mounting receptacle



SLIM-PASSGUARD proximity badge reader, type 5 "CLICK & GO" technology, for recessed assembly using flange and wall box. Supplied with front flange in anodized aluminium with "silver" finish - 250 x 50 mm, thickness 4 mm, to be fixed to the housing by placing on wall surface. Self-adhesive cover in polycarbonate pre-assembled and fixed into the flange niche. Also fitted with wall box with "wings" for rapid anchoring (65 x 30 x 230 mm), in plastic taken from single block to be assembled "in a niche" in the wall to house the body of the proximity badge reader. **Wall niche and cable channel to be prepared beforehand.**	034995TW2U	
Note: readers able to manage up to 255 badges are available at an extra charge. In this case, add X to the product codes listed above.	----------X	
Proximity badge in plastic, size DIN 86 x 54 mm (type credit card with Tecnodimensione logo)	034990T	

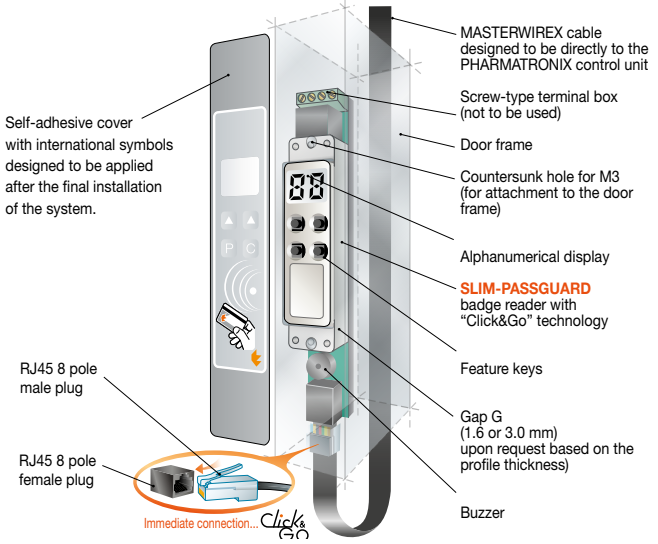
Special configurations available at extra charge: Cover with your logo and/or customized.

For sizes, measurements and details of chasing, application examples and connection diagrams, see page 41.

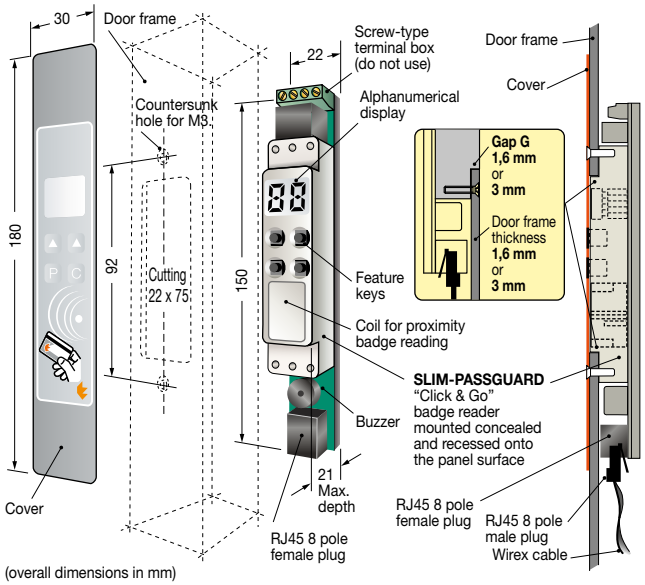
SLIM-PASSGUARD BADGE READERS - sizes, application examples and connection diagram

Detail of the components and control buttons of the unit SLIM-CODEGUARD

Example of "Click & Go" connection via Masterwirex cable

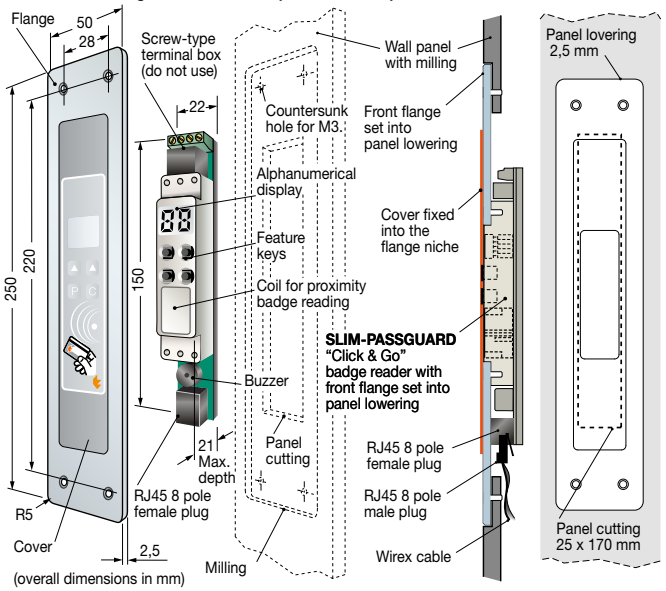


Assembly type 1 fully aligned concealed for recess-mounting on the same plane of the door frame panel without a flange



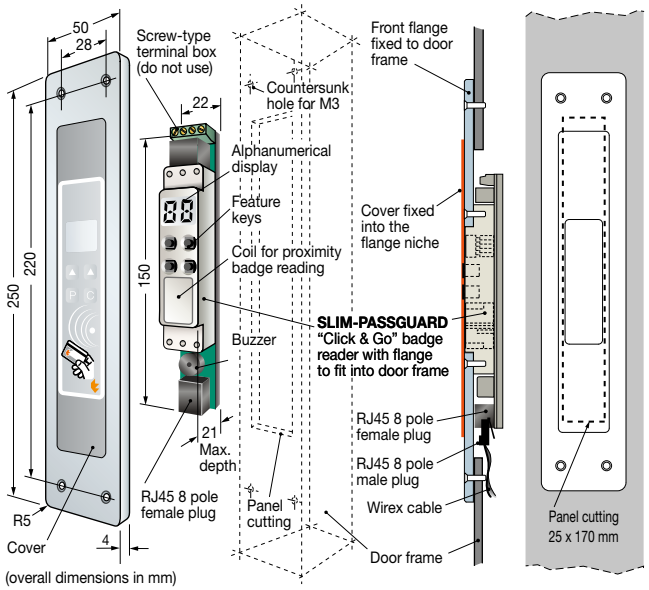
(overall dimensions in mm)

Assembly type 2 fully aligned at milling for recess-mounting with front flange on the same plane of the panel surface



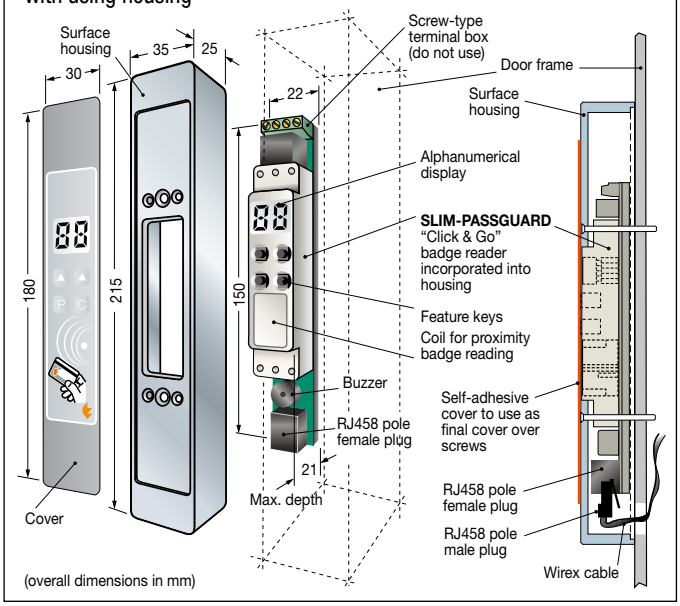
(overall dimensions in mm)

Assembly type 3 for conventional flush mounting with front flange overlapping door frame



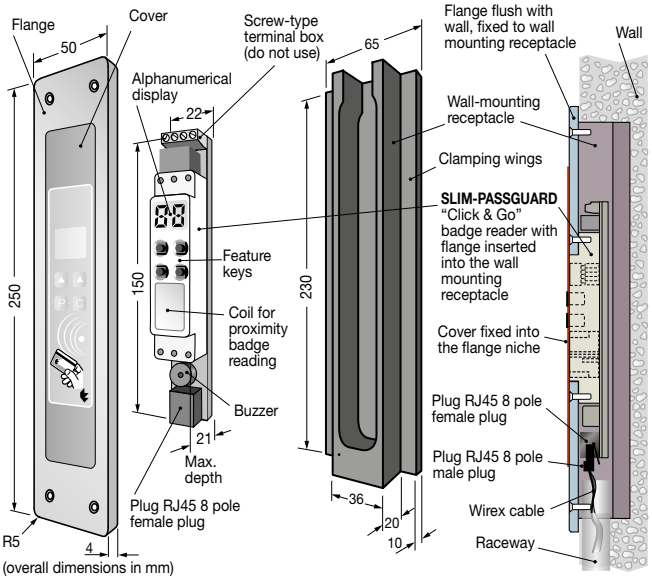
(overall dimensions in mm)

Assembly type 4 for surface mounting with using housing

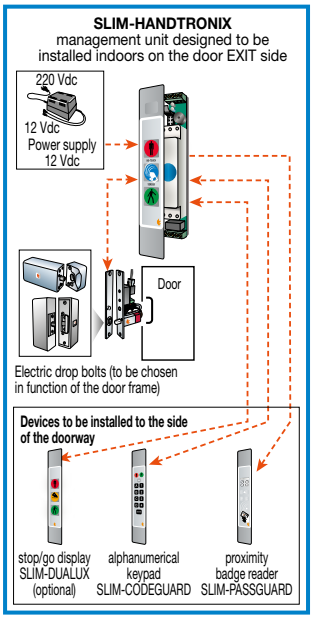


(overall dimensions in mm)

Assembly type 5 for recessed mounting in wall-mounting receptacle with flange and wall-mounting receptacle



(overall dimensions in mm)



"No-touch" version with contactless command

SLIM-HANDTRONIX (no touch)

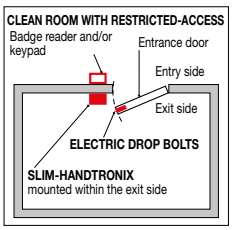
PROFESSIONAL TECNODIMENSIONE MICRO STAND-ALONE CONTROL UNIT FOR THE MANAGEMENT OF SINGLE DOORS

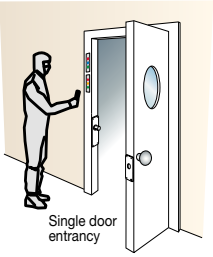
This unit is not simply "No-touch sensorized Stop/Go display" but actually micro stand-alone unit designed to fully control one single door equipped with electrical lock.

One unit for... 5 different needs...

1st Timed unlocking command with automatic re-locking
2nd Electric drop bolt/door strike program
3rd Tamper protection
4th Optical and/or acoustic signals
5th Output for remote signals

ENTRANCE TO RESTRICTED AREA IS ALWAYS PROTECTED AND CONTROLLED.





GENERAL CONSIDERATIONS

In Clean room plants, it happens that the entrance to some rooms is not subjected by crossing tunnel (filter) arranged with interlocked doors; in other words it is possible to enter the area through one single door only.

However, usually the door is supervised by proper keypad device and/or badge reader to permit the access to the persons only that are specifically authorised and process then own badge or by entering the valid code.

It is a matter of fact that currently, even advanced, keypads and badge readers etc. are designed to provide a temporized command to electrical locks, but are not equipped with logic to control the bolt movement (the automatic returning projection of the bolt in locking position).

Now thanks to the Tecnodimensione SLIM-HANDTRONIX unit, every access-control devices is in condition to manage any type of solenoid bolt, electromagnet, electrical door strike... it is not necessary to use control unit with substantial cost saving.

1st

TIMED UNLOCKING COMMAND WITH AUTOMATIC RE-LOCKING
(time required to authorise the door opening)

Temporization: timed unlocking command - settable as desired (1-8-20-60 sec.). When the electric "open door" command is given, from badge reader for example, a delay program allows the door lock to remain open for a preset interval (3 to 8 sec.), the time needed to push the door open and enter. When the interval ends the door lock re-locks itself automatically, even if the door isn't open, thus preventing unauthorised intrusions.

temporary unlocking: (open unlatched)
In case of maintenance, cleaning, moving, etc., the door can be set "open unlatched", only by a proper command, which allows an unlimited number of door openings without the electrical lock be operated after each passage.

2nd

ELECTRIC DROP BOLT/DOOR STRIKE PROGRAM

Electric drop bolt (bolt movement control)
When authorized command is launched, and the door is pushed and opened for a transit, the bolt of the lock stands "retracted" and it will return "projected" in locking position, just only when the door-leaf will be pull over to the doorpost again.
In this way, a classic door closer (pump) can completely set the door ajar without facing any mechanical resistance and friction.

Electric door strike
When commanded to open, the counter spring wing of the door strike is released for the programmed time, but re-locks as soon the leaf of the door is opened to prevent rebounding while the door is reapproaching to shut up.

3rd

TAMPER PROTECTION
When in stand-by the door is locked, the unit supervises the door-proximity sensor against the tamper aiming to switch its own contacts.
In other words, in stand-by condition, the locking of the bolt is not affected by interruption or alteration of the magnetic field of the reed sensor.

4th

OPTICAL AND/OR ACOUSTIC ALARMS
These signals report if there is a problem with the door.
The built-in buzzer activates and the lights of the Stop/Go display flash to signal the following conditions:

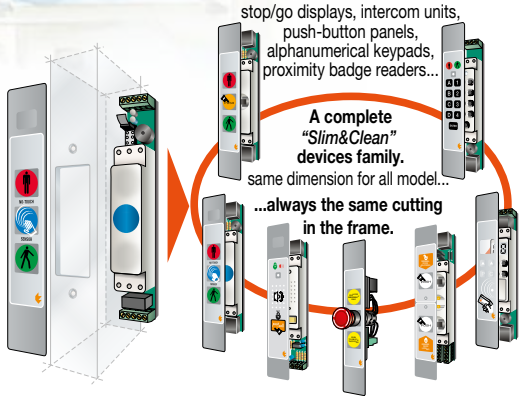
- If the door after an authorized transit stays open over a presetted time (time-out adjustable 30 sec).
- Every opening obtained unlikely through breaking effraction gives an automatic immediate alarm output.
  Really the opening of the door is permitted electrically using only authorized command arrived by badge redair for example.

5th

OUTPUT FOR REMOTE SIGNALS
Corresponding to "door proximity status" + "bolt status" (bolt projected or retracted) to confirm remotly that the door is closed & locked.
In addition it is provided with connection to arrange door opening by remote push buttons.

What's more it's also MODULAR

Is the exact same shape and size as all other devices of "Clean room" line, and therefore is interchangeable and can be recess mounted as desired in the same cutting and doorframe fittings.



SLIM-HANDTRONIX (no touch)

STAND ALONE UNIT FOR THE MANAGEMENT OF SINGLE DOORS

"No-touch" version with contactless command

Export Product-list
January 2024

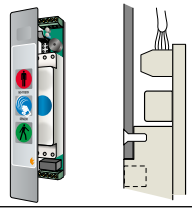
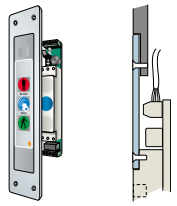
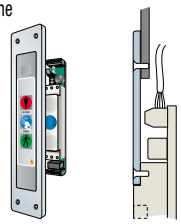
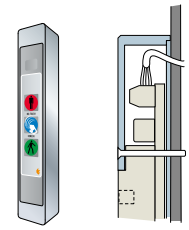
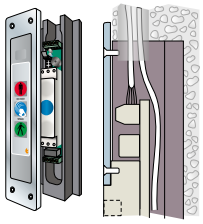
TECNODIMENSIONE®

This unit is not simply "No-touch sensorized Stop/Go display" but actually micro stand-alone unit designed to fulxy control one single door equipped with electrical lock.
This unit provides the following innovative features:

- **Temporizazion:** timed unlocking command - settable as desired (1-8-20-60 sec.) When the interval ends the door lock re-locks itself automatically, even if the door isn't open, thus preventing unauthorised intrusions.
- **Temporary unlimited unlocking (door locked in open position):** this feature enables to permanently unlock the door for cleaning and other purposes.
- **Temporary unlocking:** (open unlatched) - In case of maintenance, cleaning, moving, etc., the door can be set "open unlatched", only by using the key command, which allows an unlimited **number of door openings without the electrical lock be operated after each passage.**

Electric striker: the wing returns to lock position as soon as the door is opened to avoid debounce when being closed.

- **Tamper protection:** When in stand-by the door is locked, the unit supervises the door-proximity sensor against the tamper aiming to switch its own contacts. In other words, in stand-by condition, the locking of the bolt is not affected by interruption or alteration of the magnetic field of the reed sensor.
- **Optical and/or acoustic alarms:** These signals report if there is a problem with the door. The built-in buzzer activates and the lights of the Stop/Go display flash to signal the following conditions:
- If the door after an authorized transit stays open over a presetted time (time-out adjustable 30 sec).
- Every opening obtained unlikely through breaking effraction gives an automatic immediate alarm output. Really the opening of the door is permitted electrically using only authorized command arrived by badge redair for example. - 12 Vdc/120 mA power supply.

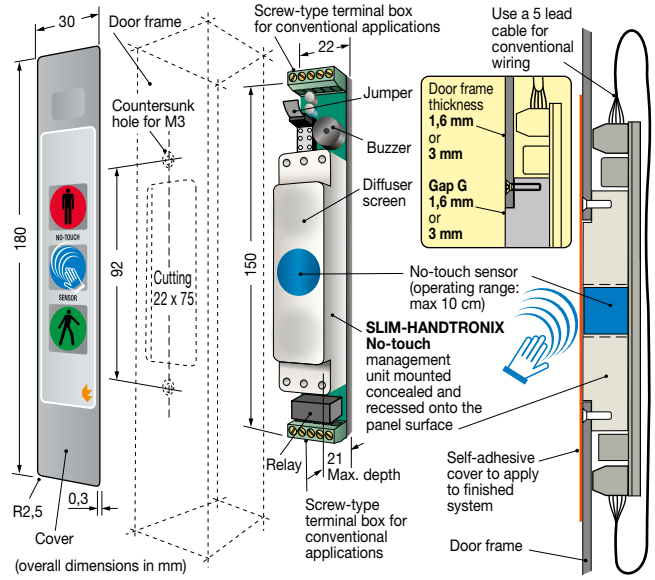
	ordering information		Q.ty
Models for 12 Vdc power supply	MODELS		N°
Assembly type 1 **fully aligned concealed** for recess-mounting without flange on the same plane of the door frame panel ✻  SLIM-HANDTRONIX stand alone unit type 1with fully aligned concealed for recess-mounting on the same plane of the door frame panel without flange. Ideal to achieve a "smooth" surface (without roughness) that is easy to clean. Supplied with diffuser screen and gap G for sections with a thickness of 1.6 mm. Fitted (instead of the manual push button) with an infrared sensor that "sees" a presence up to 10 cm away. Basically, the "contactless" door opening and/or doorbell command is automatically triggered by bringing the hand close to the unit, without actually touching it. Complete with self-adhesive cover designed to be applied after the final installation of the system. **✻ In this case it is advisable to prepare the recess during the door frame machining.**	**034991HM**		
	Same with front panel and gap G for sections with a thickness of 3 mm	**034991HM3**		
Assembly type 2 **fully aligned at milling** for recess-mounting with front flange on the same plane of the panel surface ◆  SLIM-HANDTRONIX stand alone unit type 2 for aligned recessed flush fitting in bottom of panel using front flange (e.g. To mount on wall panel next to the door frame on the post where no chasing can be carried out). Fitted (instead of the manual push button) with an infrared sensor that "sees" a presence up to 10 cm away. Basically, the "contactless" door opening and/or doorbell command is automatically triggered by bringing the hand close to the unit, without actually touching it. Supplied with front flange in anodized aluminium with "silver" finish - 250 x 50 mm, thickness 2.5 mm for recess-mounting on the same plane of the panel surface for aligned recessed flush fitting in bottom of plane using front flange. Cover pre-assembled and fixed into the flange niche. **◆ In this case, it is advisable to prepare sunk milling during the panel machining phase.**	**034992HM**		
Assembly type 3 **for conventional flush mounting** with front flange overlapping door frame  SLIM-HANDTRONIX stand alone unit, type 3 for traditional recessed fitting using flange. Supplied with front flange in anodized aluminium with "silver" finish - 250 x 50mm, thickness 4 mm for flush mounting. Fitted (instead of the manual push button) with an infrared sensor that "sees" a presence up to 10 cm away. Basically, the "contactless" door opening and/or doorbell command is automatically triggered by bringing the hand close to the unit, without actually touching it. Cover pre-assembled and fixed into the flange niche. **Mounting can be carried out "on site", directly onto the installed door frame.**	**034993HM**		
Assembly type 4 **for surface mounting** with using housing  SLIM-HANDTRONIX stand alone unit type 4 for mounting placed on surface using housing. With extra-strong protective housing, made in anodized silver finish aluminium (35 x 25 x 215 mm). Fitted (instead of the manual push button) with an infrared sensor that "sees" a presence up to 10 cm away. Basically, the "contactless" door opening and/or doorbell command is automatically triggered by bringing the hand close to the unit, without actually touching it. Self-adhesive cover in polycarbonate, provided separately and designed to be used as final cover to hide the 4 fixing screws of the housing on the door frame. **Useful when you wish to avoid recess-mounting or cuts on the door frame.**	**034994HM**		
Assembly type 5 **for recessed wall-mounting** with flange and wall-mounting receptacle  SLIM-HANDTRONIX stand alone unit type 5 for recessed assembly using flange and wall box. Supplied with front flange in anodized aluminium with "silver" finish - 250 x 50 mm, thickness 4 mm, to be fixed to the housing by placing on wall surface. Self-adhesive cover in polycarbonate pre-assembled and fixed into the flange niche. Fitted (instead of the manual push button) with an infrared sensor that "sees" a presence up to 10 cm away. Basically, the "contactless" door opening and/or doorbell command is automatically triggered by bringing the hand close to the unit, without actually touching it. Also fitted with wall box with "wings" for rapid anchoring (65 x 30 x 230 mm), in plastic taken from single block to be assembled "in a niche" in the wall to house the body of the standalone unit. **Wall niche and cable channel to be prepared beforehand.**	**034995HM**		

Special configurations available at extra charge: Cover with your logo and/or customized.

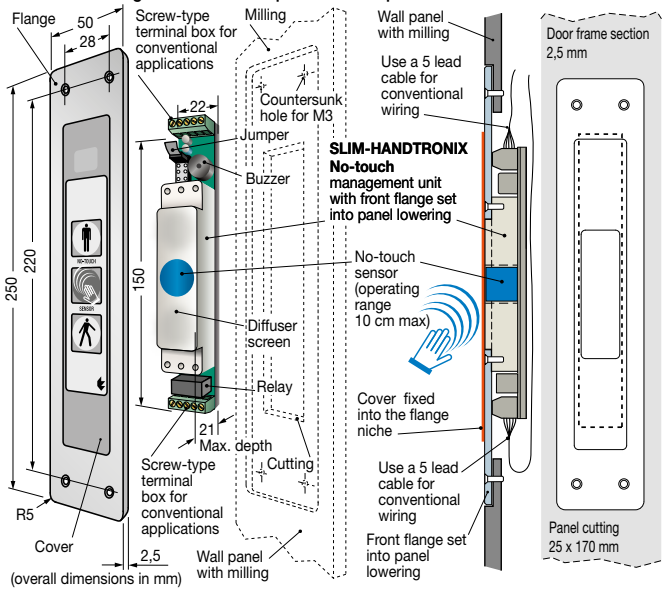
For sizes, measurements and details of chasing, application examples and connection diagrams, see page 44.

SLIM-HANDTRONIX STANDALONE UNIT - sizes, application examples and connection diagram

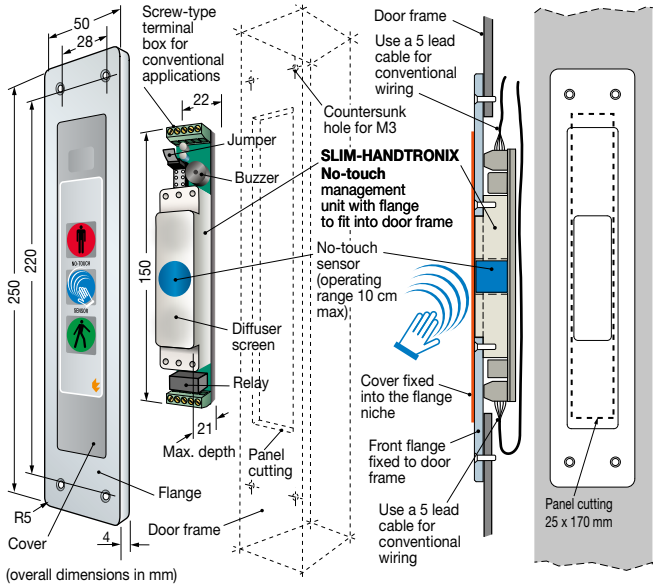
Assembly type 1 fully aligned concealed for recess-mounting on the same plane of the door frame panel without a flange



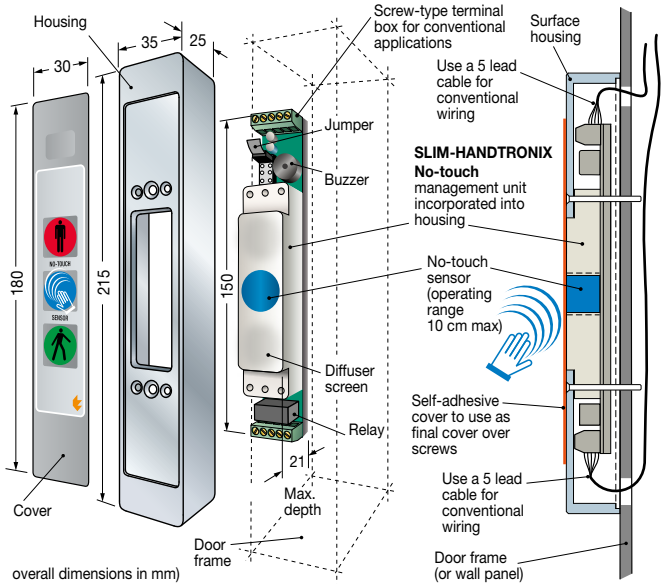
Assembly type 2 fully aligned at milling for recess-mounting with front flange on the same plane of the panel surface



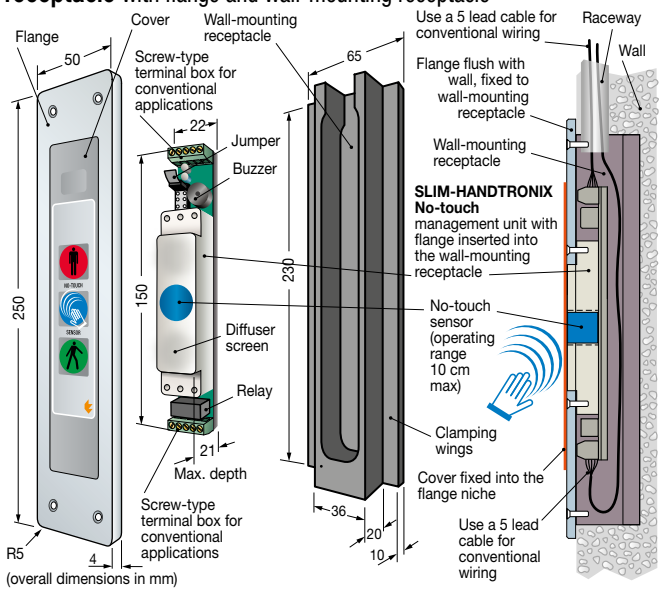
Assembly type 3 for conventional flush mounting with front flange overlapping door frame



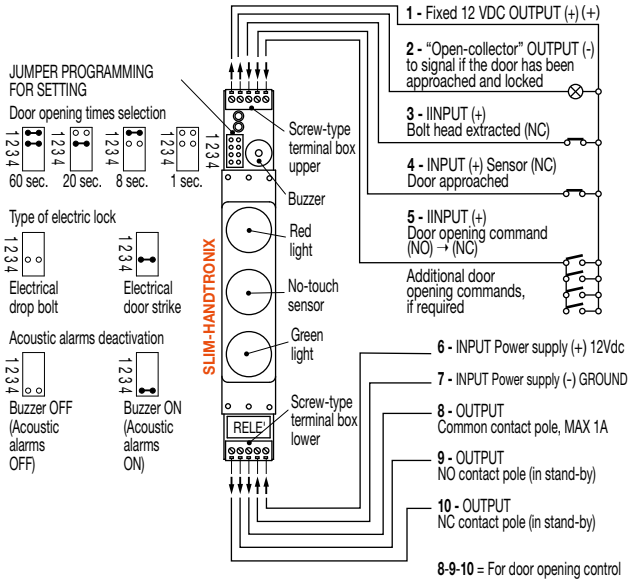
Assembly type 4 for surface mounting with using housing



Assembly type 5 for recessed mounting in wall-mounting receptacle with flange and wall-mounting receptacle



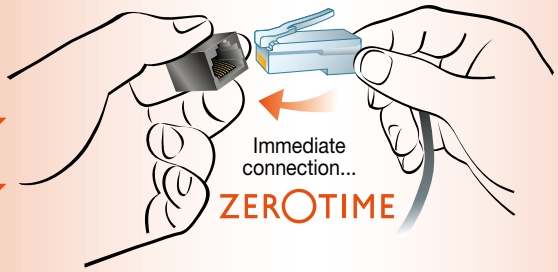
CONNECTION DIAGRAM valid for all 5 types



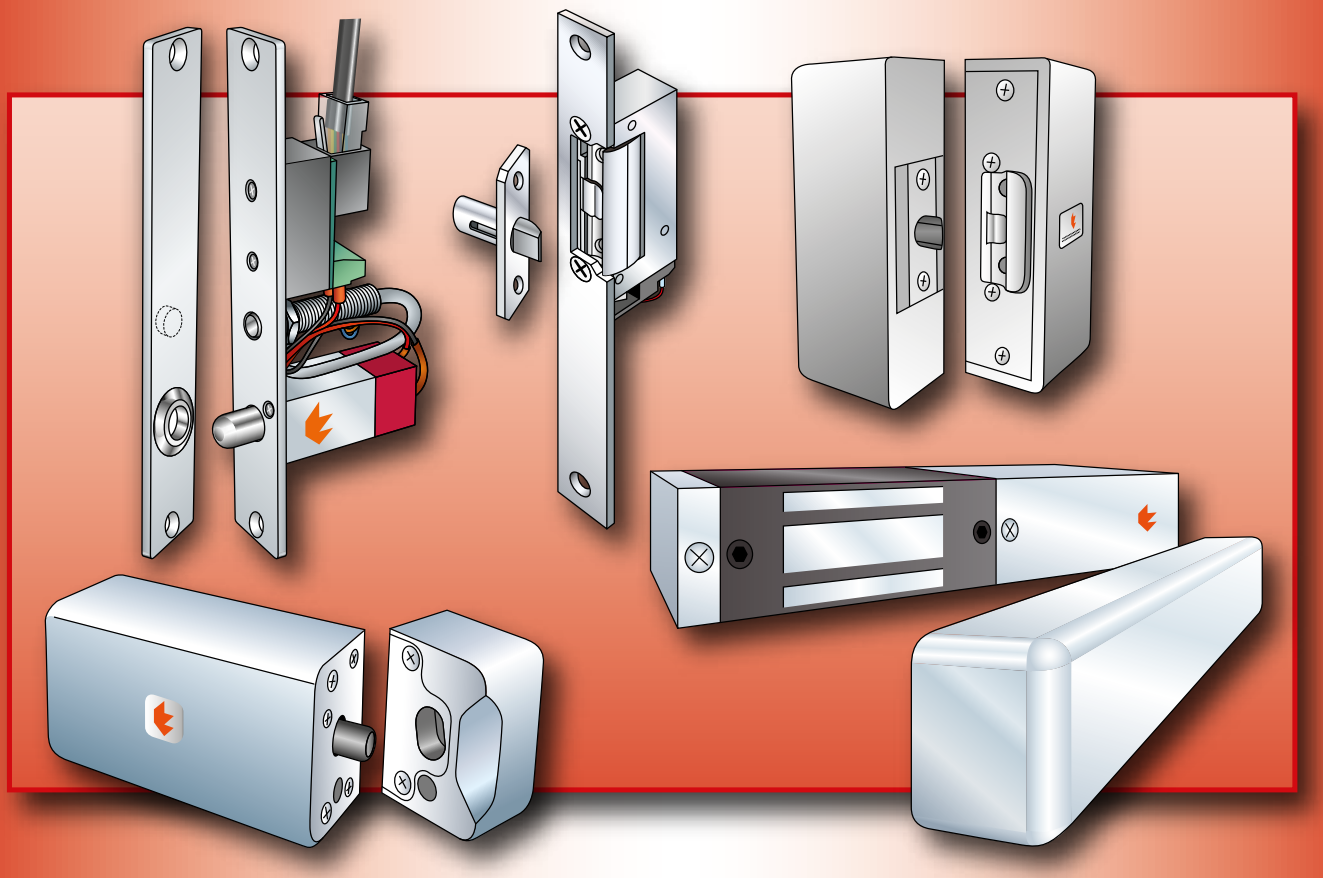
PROFESSIONAL ELECTRICAL LOCKS

with tecnology

Click&GO ZEROTIME®

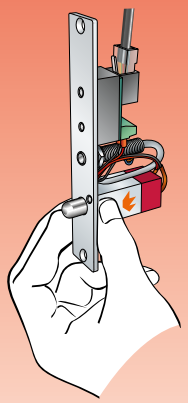


Insert the plug connector...
snap it in place...
that's all you need for
a perfectly working system...
Click&Go!

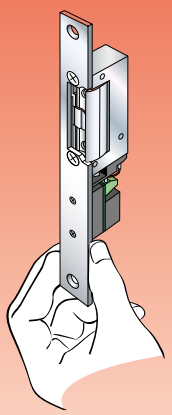


ECNODINAMENSIONE
security with style

Ultraslim and supercompact MICROLOCK electrical drop bolts and electrical door latchs DOORSTRIKE

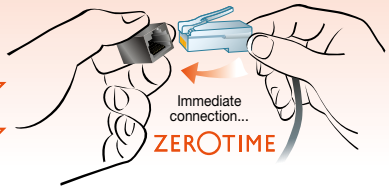


SLIM&
FAIL-SAFE
ANTI-PANIC AUTOMATIC RELEASE
®



ULTRA-SLIM, ULTRA-COMPACT
&
ADAPTABLE TO ANY TYPE OF FRAME

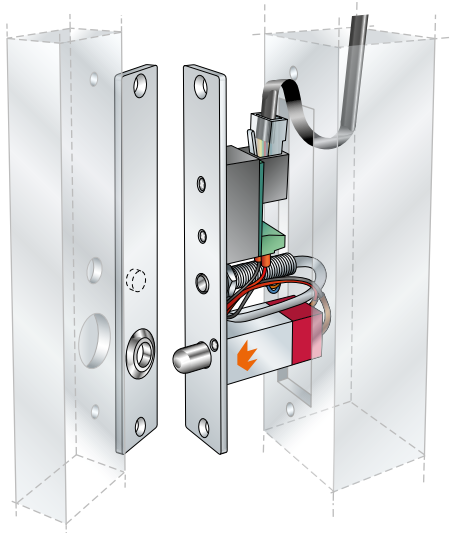
with tecnology
Click&GO
ZEROTIME
®



Insert the plug connector...
snap it in place...
that's all you need for
a perfectly working system...
Click&Go!

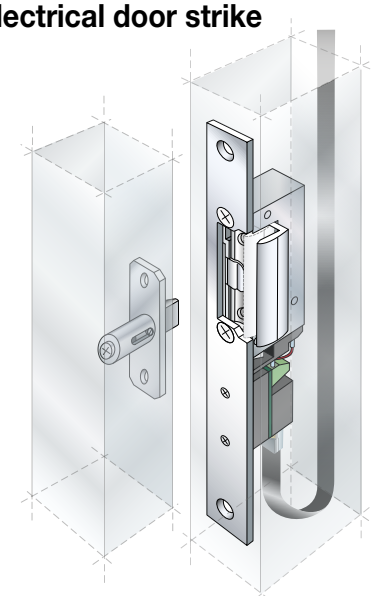
"SLIM&FAIL-SAFE"
MICRO ELECTRICAL DROP BOLTS, ELECTRICAL DOOR STRIKES

Micro electrical drop bolt



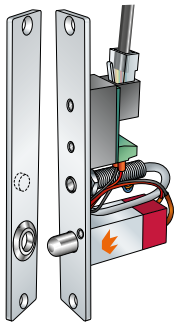
SLIM-MICROREDLOCK
Anti-panic "fail-safe" models (designed to disengage in the event of power failure). With door proximity sensor, flange and reference counterflange. Enables the doors to be closed with a steel bolt head.

Electrical door strike



SLIM-DOORSTRIKE
Anti-panic "fail-safe" model (designed to disengage in the event of power failure). With RR sensor to control the door status and front plate for recess-mounting. Available on request with self-lubricating and adjustable bolt.

TECNODIMENSIONE
security with style



SLIM-MICROREDLOCK

PROFESSIONAL TECNODIMENSIONE ELECTRICAL DROP BOLT

Anti-panic “fail-safe” models (designed to disengage in the event of power failure). With door approaching sensor, flange and reference counterflange. Enables the doors to be closed with a steel bolt head.

FOR FLUSH MOUNTING

One unit... for 4 different needs.

1st Immediate installation ZEROTIME = **Click&Go**

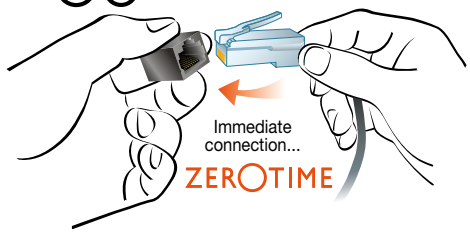
2nd Ultra-slim and compact design to suit all door frame sections = **SLIM**

3rd equipped with Kit SCP to compensate distance between door frame and doo-post.
Adaptable to any type of frame = **REGOSTRIKE**

4th fail-safe; it automatically unlocks in the event of power failure freeing the door for emergency exit also in the event of fire = **FAIL-SAFE**

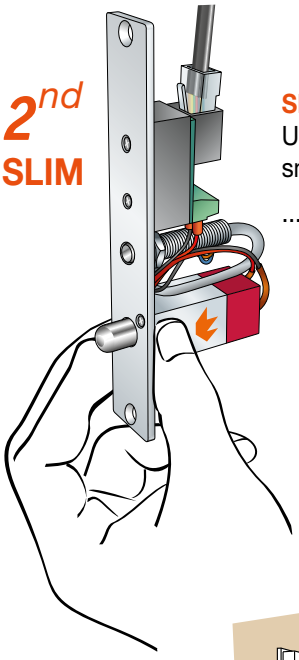
PERFECT FOR STERILE ROOMS.

1st Click&GO



Insert the plug connector... snap it in place...
that’s all you need
for a perfectly working system...
Click&Go!

2nd SLIM



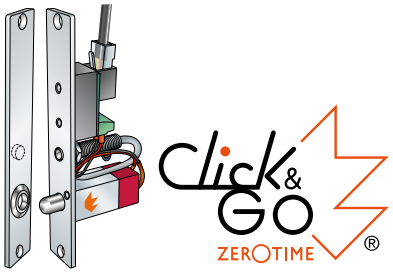
SLIM-MICROREDLOCK
Ultra-slim and compact for very small door frame profiles...
... it’s **SLIM!**

3rd REGOSTRIKE

SLIM-MICROREDLOCK
Adaptable to all types of door frames thanks to kit “SCP”, consisting of three bushings that can be interchanged on the counterflange in order to perfectly adjust the distance between door frame and door-post...
... it’s **REGOSTRIKE!**

4th FAIL-SAFE

SLIM-MICROREDLOCK
Automatic fail-safe unlock = bolt “in” without power, bolt “out” when powered. In the event of fire or power failure it automatically unlocks freeing the exit...
... it’s **FAIL-SAFE!**



PROFESSIONAL ELECTRICAL DROP BOLTS

SLIM-MICROREDLOCK

With quick fitting 8 pole RJ45 plug to simplify installation and wiring

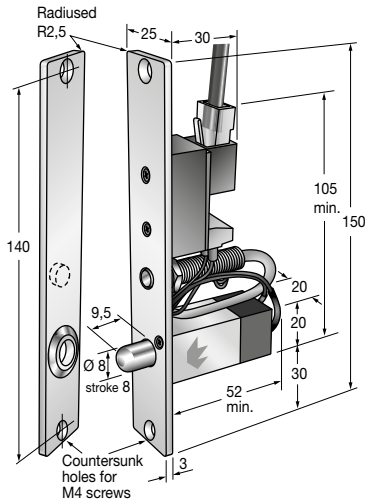
Export Product-list
January 2024

TECNODIMENSIONE®

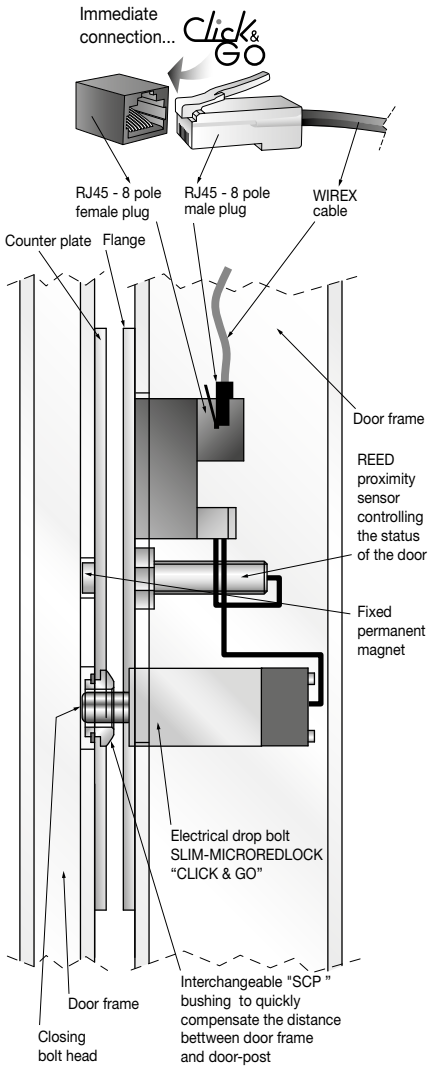
Micro electrical drop bolt for recess mounting with flange and counterflange in anodised aluminium with "silver" finish. Ideal for "clean rooms".

SLIM-MICROREDLOCK "CLICK & GO"

For recess mounting



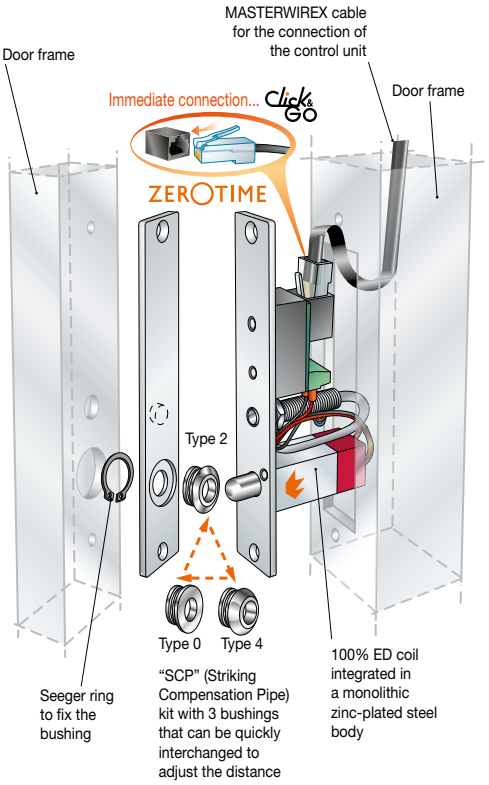
EXAMPLE OF RECESS-MOUNTING ON THE DOOR FRAME



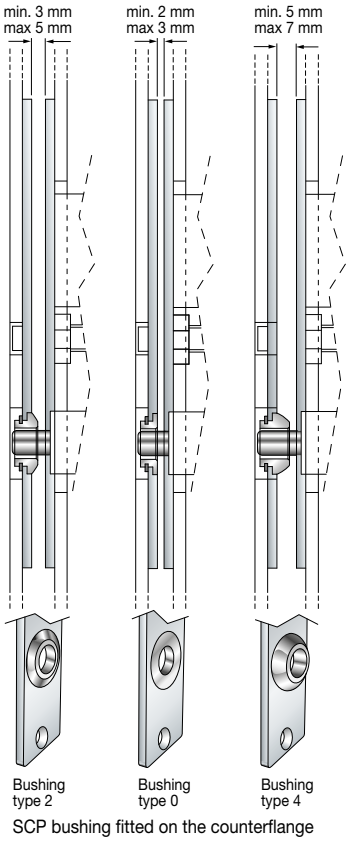
	Ordering information MODELS		Q.ty N°
Series REDLOCK (fail safe) "anti-panic" model = The bolt head "projects" when the coil is powered or otherwise "retracted". **In the event of fire, the SLIM-MICROREDLOCK electrical drop bolt is automatically released to enable a safe and controlled evacuation.**			
Models for 12 Vdc power supply			
SLIM-MICROREDLOCK **fail safe (anti-panic version)** electrical drop bolt for recess mounting with "CLICK & GO" technology and 1 quick fitting 8-pole RJ45 female connector for an immediate connection. - Fail-safe (anti-panic) version with 100% ED coil for uninterrupted funtioning. - Includes a Reed sensor to control the approaching of the door (axially adjustable). - 12 Vdc/390 mA power supply Accessories supplied as standard: Counterflange with kit "SCP" that includes 3 bushings in chromium-plated steel to compensate the port.	**00803A2FZW**		
Models for 24Vdc power supply			
SLIM-MICROREDLOCK electrical drop bolt for recess mounting with "CLICK & GO" technology, as above, but for 24 Vdc/200 mA power supply.	**00803A4FZW**		

Note:1) The special "SCP" compensation kit is supplied as standard and with 3 interchangeable bushings (choose the most suitable one, as shown in the figure on the side) enables to compensate the port and precisely adjust it. It is in fact important to verify that at least 4/5 of the length of the bolt head on the electrical drop bolt is inserted in the "hole" on the counterflange (reference bushing) when it is projecting (so that the door can be closed).
2) Standard models are designed to be fitted for "horizontal striking".
Types for vertical (downwards or upwards) striking, by special request.

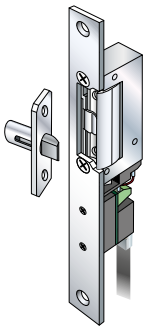
WIREX FAST CONNECTING CABLES WITH "CLICK & GO" TECHNOLOGY



Kit "SCP" (Striking Compensation Pipe) kit to quickly compensate distance between door frame and door-post



SCP bushing fitted on the counterflange



SLIM-DOORSTRIKE

PROFESSIONAL TECNODIMENSIONE ELECTRICAL DOOR STRIKE

Anti-panic “fail-safe” model (designed to disengage in the event of power failure) with RR sensor to control the door status and front plate for recess-mounting. Available on request with a mini spring bolt and adjustable self-lubricating bolt.

FOR FLUSH MOUNTING

One unit...
for *3* different needs.

1st Immediate installation ZEROTIME = **Click&Go**

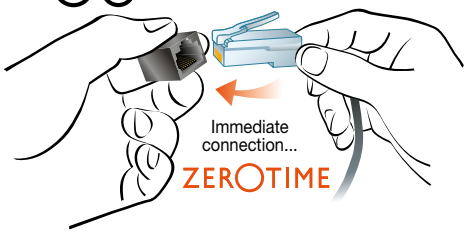
2nd Ultra-slim and compact design to suit all door frame sections = **SLIM**

3rd Sensor controlling the door status and adjustable counter latch = **REGOSTRIKE**

4th fail-safe; it automatically unlocks in the event of power failure freeing the door for emergency exit also in the event of fire = **FAIL-SAFE**

PERFECT FOR STERILE ROOMS.

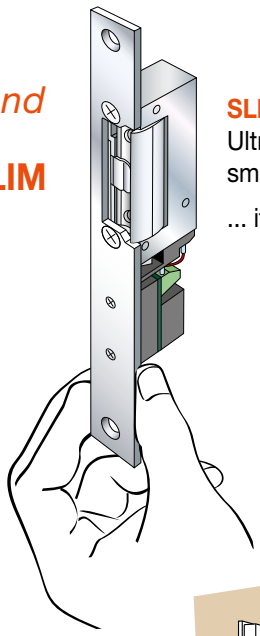
1st Click&GO



Insert the plug connector... snap it in place... that’s all you need for a perfectly working system...

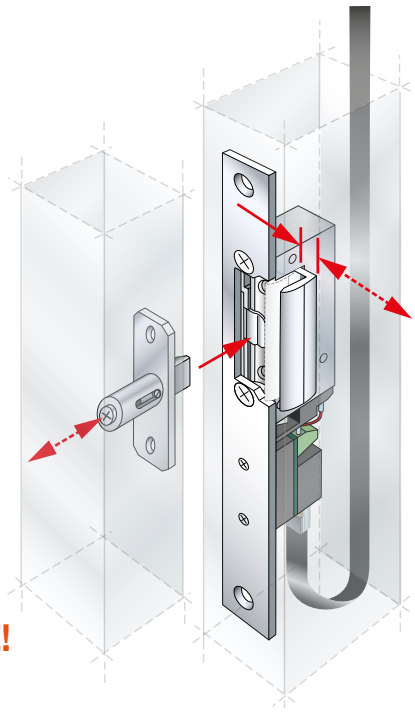
Click&Go!

2nd SLIM



SLIM-MICROREDLOCK
Ultra-slim and compact for very small door frame profiles...
... it’s **SLIM!**

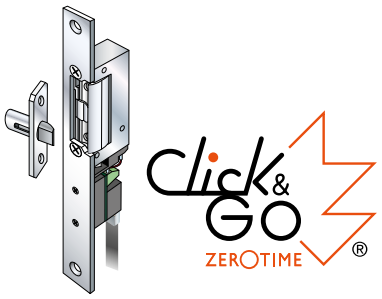
3rd REGOSTRIKE



SLIM-DOORSTRIKE
Supplied with a sensor that controls the door status (open/closed) and the penetration of the spring bolt (also adjustable) during closing, and with a counter latch that can be adjusted to obtain a perfect compensation and alignment of the wing...
... it’s **REGOSTRIKE!**

4th FAIL-SAFE

SLIM-DOORSTRIKE
Automatic fail-safe unlock = bolt “in” without power, bolt “out” when powered. In the event of fire or power failure it automatically unlocks freeing the exit...
... it’s **FAIL-SAFE!**



PROFESSIONAL ELECTRICAL DOOR STRIKE

SLIM-DOORSTRIKE

With quick fitting 8 pole RJ45 plug to simplify installation and wiring

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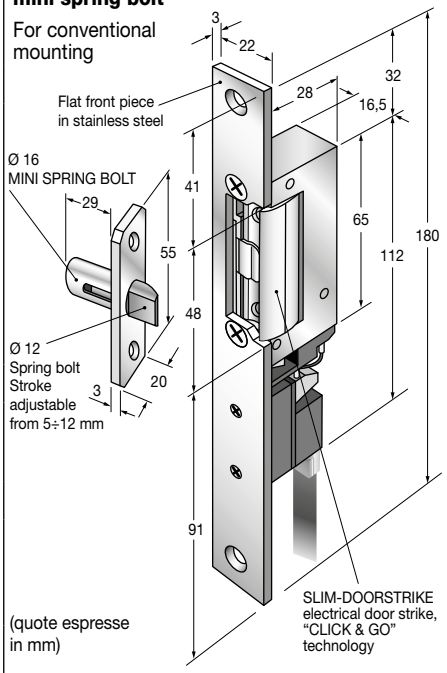
January 2024

TECNODIMENSIONE®

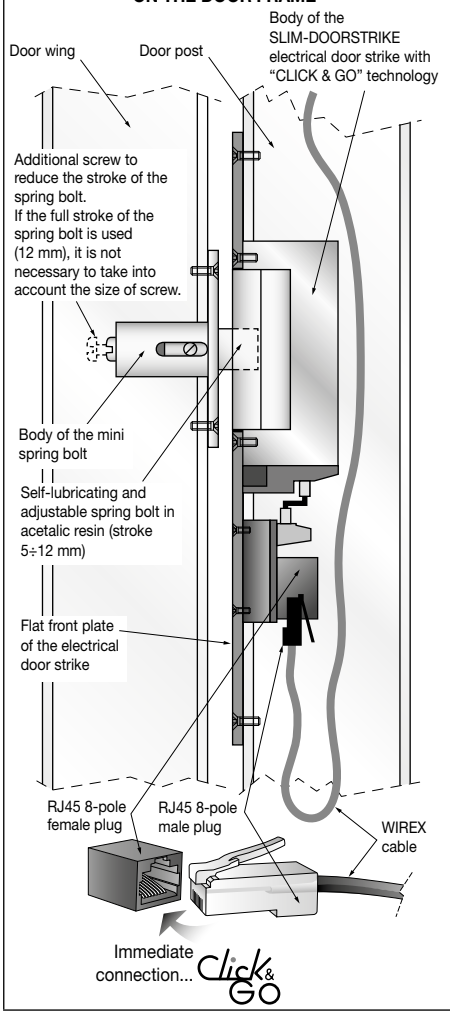
Electrical door strike for recess-mounting.
Ideal for "clean rooms".

SLIM-DOORSTRIKE "CLICK & GO" with mini spring bolt

For conventional mounting



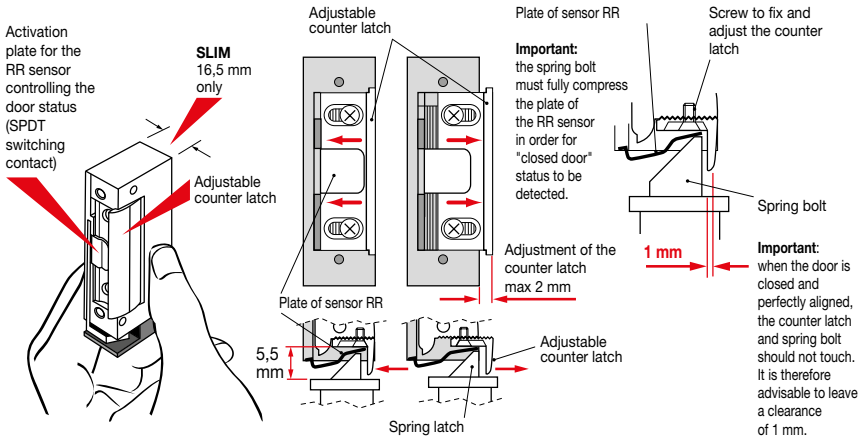
EXAMPLE OF RECESS-MOUNTING ON THE DOOR FRAME



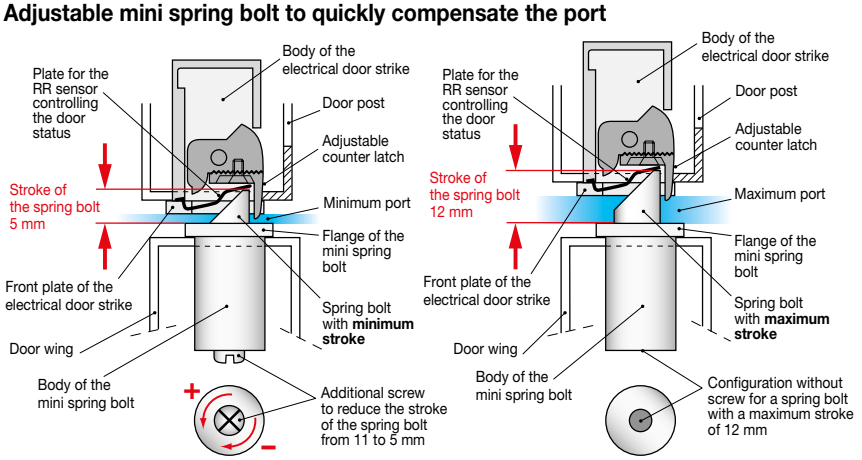
	ordering information		Q.ty
	MODELS		**N°**
Series SLIM-DOORSTRIKE (fail-safe) "anti-panic" model = Disengages in the event of power failure. **If a fire breaks out and no power is available, the electrical SLIM-DOORSTRIKE automatically disengages to allow a safe evacuation.**			
Models for 12 Vdc power supply			
SLIM-DOORSTRIKE electrical door strike for flush mounting, "CLICK & GO" technology, with one 8-pole RJ45-8 quick fitting female connector for immediate connections. - Fail-safe (anti-panic) version with 100% ED coil for a continuous operation - RR microswitch sensor controlling the door status - Adjustable counter latch - 12 Vdc/280 mA power supply Supplied with flat front plate in stainless steel.	**0158J12RW**		
Models for 24Vdc power supply			
SLIM-DOORSTRIKE electrical door strike for flush mounting, "CLICK & GO" technology, same characteristics as the model above but for a 24Vdc/140 mA power supply.	**0158J14RW**		
Accessory (optional)			
Mini spring bolt for recess-mounting with adjustable spring bolt. Body with recess-mounting flange in anodised machined aluminium with a "silver" finish. Self-lubricating spring bolt in acetalic resin with stroke adjustable from 5 to 12 mm.	**004910K**		

Note: on request, electrical SLIM-DOORSTRIKE can even be supplied with front plate in anodised machined aluminium, with customised shape, for alignment and mounting without visible cuts on custom profiles with rounded sections ("CLEAN" versions).

Electrical SLIM-DOORSTRIKE with RR sensor to control the door status and adjustable counter latch



Adjustable mini spring bolt to quickly compensate the port

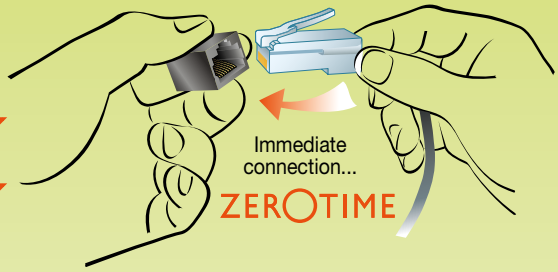


innovation

of news Tecnodimensione products in progress

for managing door systems and professional electrical locks

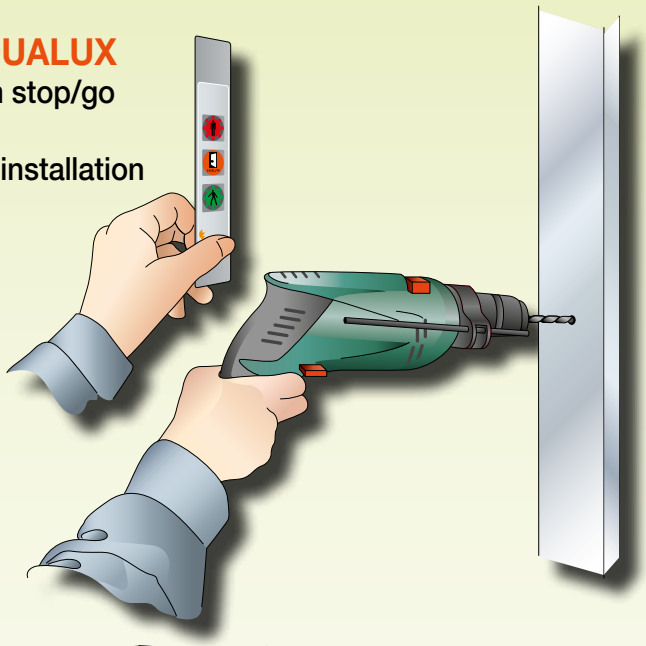
with tecnology Click&GO ZEROTIME®

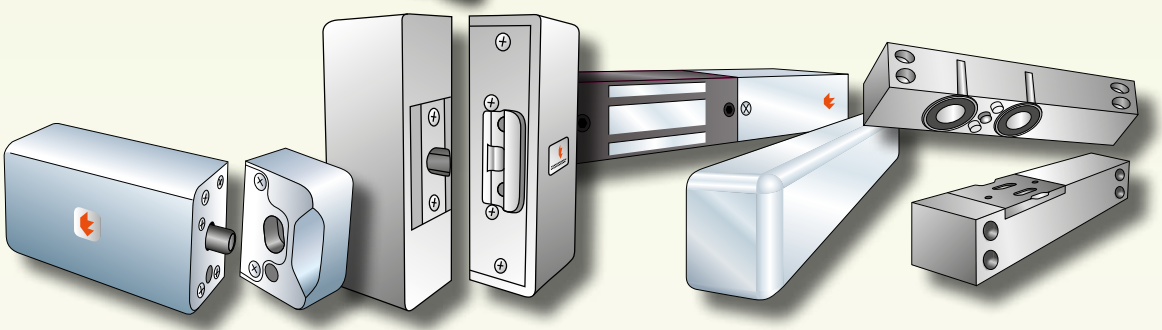


Insert the plug connector...
snap it in place...
that's all you need for
a perfectly working system...
Click&Go!

with technology DRILL&GO Cut-Free®

FLAT-DUALUX
Ultraslim stop/go display
for easy installation

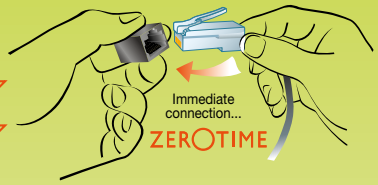




MICROREDLOCK, SLIM-DOORSTRIKE, SLIM-MINISENTRYLOCK and SLIM-SHEARLOCK
surface mount electrical locks in CLEAN-COVER housing for easy installation

FLAT-DUALUX
Ultraslim stop/go display for easy installation

with tecnology Click&Go ZEROTIME®



Insert the plug connector...
snap it in place...
that's all you need for
a perfectly working system...
Click&Go!

innovation

with technology

DRILL&GO®
Cut-Free

No cutting the frame,
no work on
internal frame grain!

Only a portable drill is needed
to easily install ***DRILL&GO*** devices on any frame.

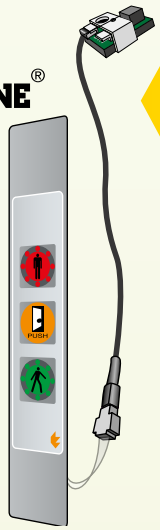
TECNODIMENSIONE®
security with style

NNOVATION

TECNODIMENSIONE®

DRILL& GO Cut-Free®

innovation



FLAT-DUALUX ultra-slim

PROFESSIONAL TECNODIMENSIONE STOP/GO DISPLAYS

with green/red lights and international STOP/GO symbols to control traffic, built-in push button and remote buzzer.
Kit made up of stop/go display, connection cable and Click&Go converter.

One unit for 4 different needs.

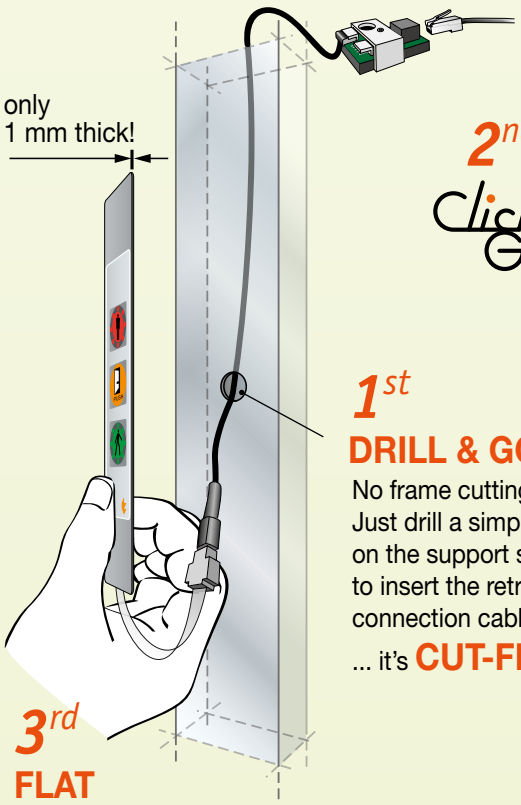
1st No frame cutting nor work on internal nervures. Just drill to install = **DRILL& GO CUT-FREE**

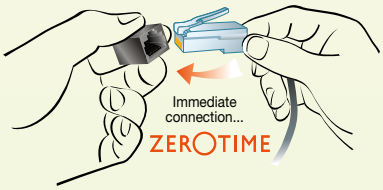
2nd instant wiring ZEROTIME = **Click&Go**

3rd ultra-slim, bendable, virtually "without thickness" (just 1 mm!) for fully-aligned installation self-adhesive on any smooth frame surface with even shaped and narrow profiles = **FLAT**

4th "smooth" sealed alignment to the frame surface fully proper detergent washable = **CLEAN**

PERFECT FOR STERILE ROOMS





2nd Click& GO

Insert the plug connector... snap it in place... that's all you need for a perfectly working system...

Click&Go!

1st

DRILL & GO

No frame cutting nor work on internal nervures! Just drill a simple Ø 14 mm round hole on the support surface to insert the retro-concealed electrical connection cable…

... it's **CUT-FREE**

3rd

FLAT

FLAT-DUALUX ultra-flat, practically "without thickness" (just 1 mm!) it can be applied to even very narrow profiles, its "fully-aligned" mount is almost immediate, installable on site without having to make any cuts since it does not require any room-to recess! It is virtually a "thin" electronic, self-adhesive and bendable sticker that lays and adapts to surfaces not necessarely plane as long as they are smooth and suitable to self-adhere...

... it's **FLAT!**

4th

CLEAN

FLAT-DUALUX self-adhesive installation "flush-aligned" is smooth and roughness-free ... easily cleanable with any proper detergent...

... it's **CLEAN!**

TECNODINAMICA®

DRILL& GO® Cut-Free

PROFESSIONAL STOP/GO DISPLAYS

FLAT-DUALUX ultra-slim

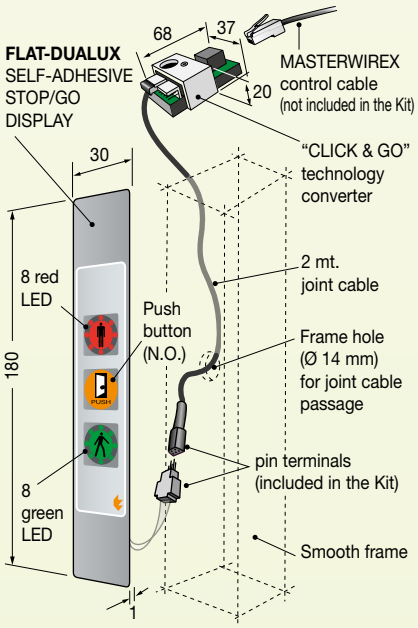
Complete with converter for immediate wiring with 8-pole quick coupling RJ45 PLUG for pront installation to Pharmatronix unit

Type 6 - "FULLY ALIGNED" ultra-slim for self-adhesive installation (without frame cutting).

Type 7 - "FLUSH" with support flange for installation on uneven surfaces.

A SINGLE UNIT FOR 2 TYPES OF UNIVERSAL INSTALLATION

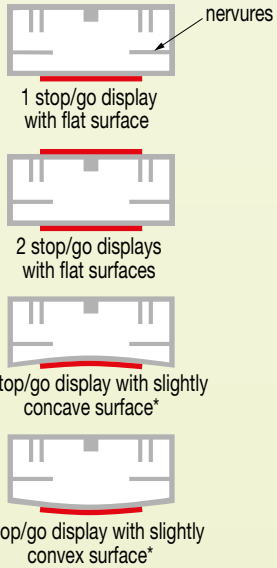
Type 6 "FULLY-ALIGNED" ultra-slim for self-adhesive installation on smooth surfaces without cutting the frame.



(overall dimensions in mm)

No cutting or work on the internal frame nervures

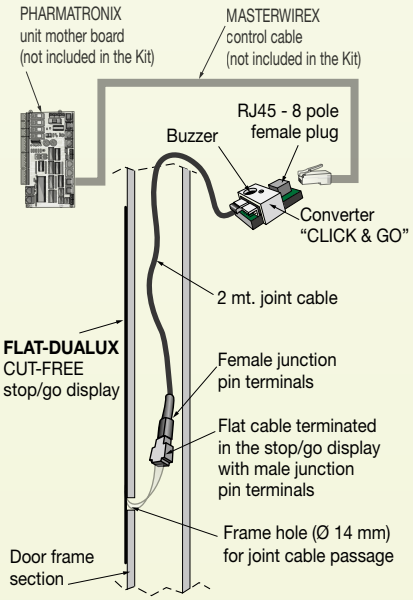
compatible smooth surfaces



*to be checked case by case

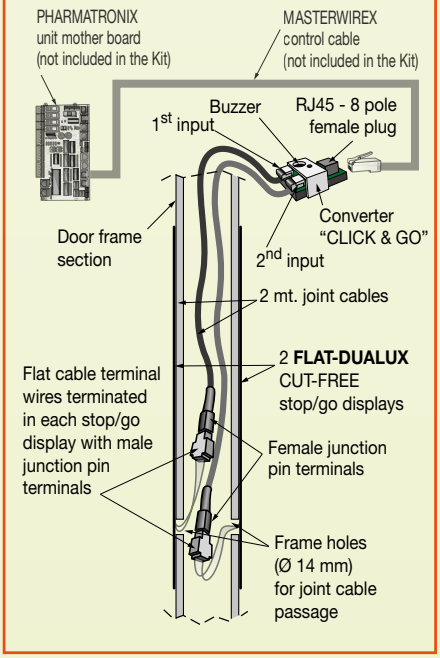
Kit 1 for one door - for example "pass box"

composed of:
- **n. 1** FLAT-DUALUX stop/go display (type 6 or 7)
- **n. 1** joint cable
- **n. 1** Click&Go converter

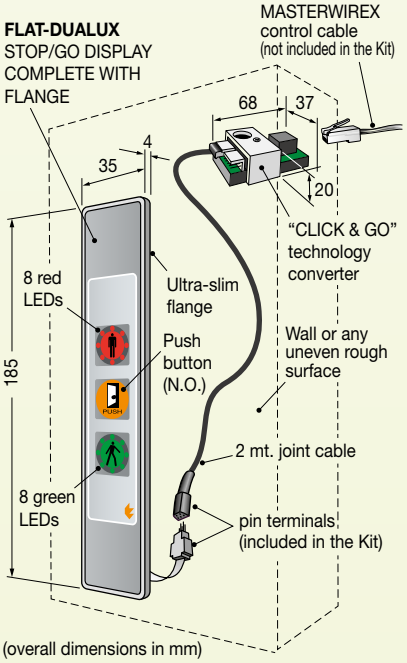


Kit 2 for one door - for example "interlocking system"

composed of:
- **n. 2** FLAT-DUALUX stop/go displays (type 6 or 7)
- **n. 2** joint cables
- **n. 1** Click&Go converter

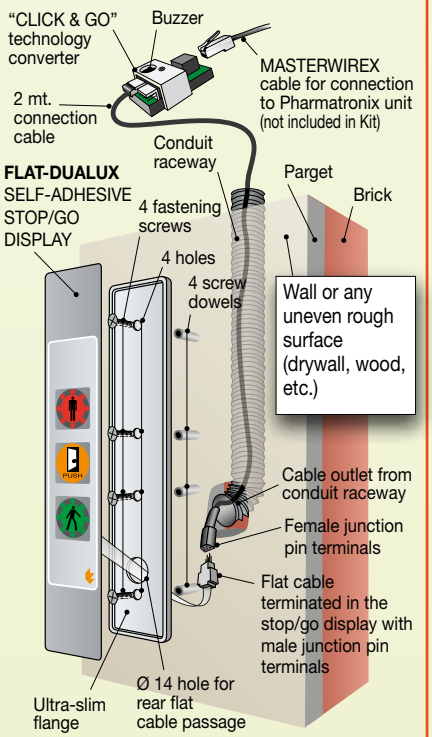


Type 7 on the "SAME PLANE" with ultra-slim support flange for wall or frame mount with uneven surfaces



(overall dimensions in mm)

Example of FLAT-DUALUX stop/go display application complete with support flange even for uneven rough surfaces



INNOVATION

DRILL& GO Cut-Free®

PROFESSIONAL STOP/GO DISPLAYS

FLAT-DUALUX ultra-slim

Complete with converter for immediate wiring
8-pole quick coupling RJ45 PLUG for easy installation

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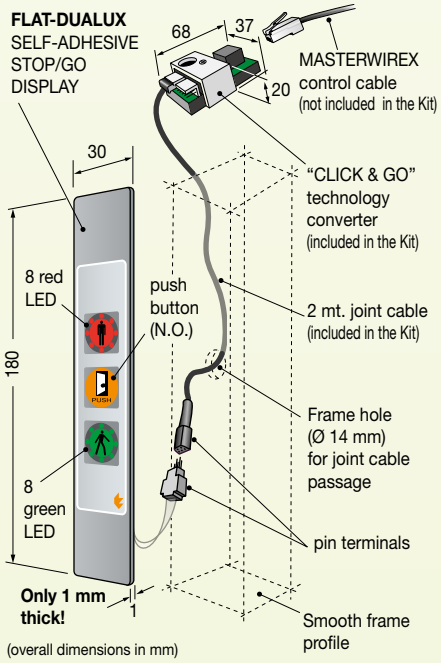
TECNODIMENSIONE®

Type 6 - "FULLY ALIGNED"

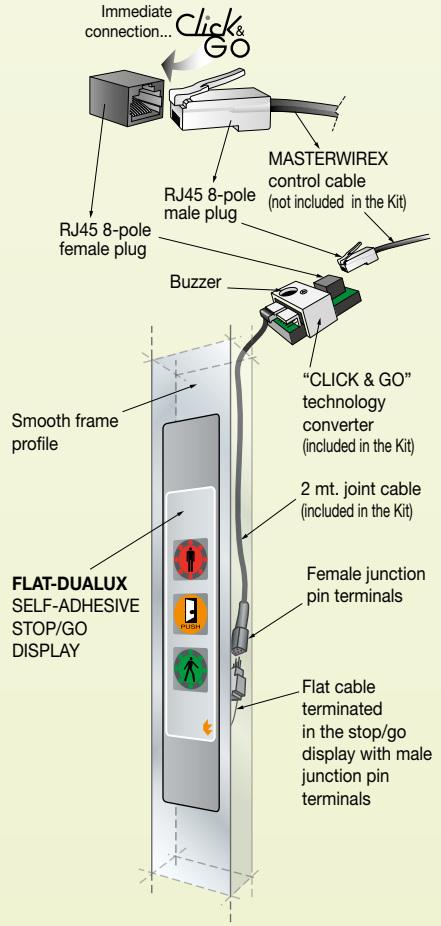
ultra-slim for self-adhesive installation
(without frame cutting). Ideal for clean-rooms.

FLAT-DUALUX CUT-FREE ultra-slim
with "CLICK&GO" technology
Type 6 "fully aligned"



(overall dimensions in mm)

EXAMPLE OF "FULLY ALIGNED" APPLICATION



Ordering information		Q.ty
MODELS		**N°**

Practically "without thickness" ultra-slim stop/go display unit (only 1 mm!). It can be applied to even very narrow profiles, its "fully-aligned" mount is almost immediate, installable on site without having to make any cuts since it does not require any room-to recess! It is virtually a "thin" electronic, self-adhesive and bendable sticker that lays and adapts to surfaces not necessarely plane as long as they are smooth and suitable to self-adhere...

Models for 12Vdc power supply

FLAT-DUALUX ultra-slim stop/go display type 6, bendable, virtually "without thickness" (just 1 mm!) for fully-aligned adhesive installation on any smooth surface even with shaped or narrow profiles.
- Green/Red LED light + buzzer + N.O. push button (N.C. when pressed).

Kit 1 for one door - for example "pass box" composed of:
- n. 1 FLAT-DUALUX ultra-slim type 6 stop/go display (without thickness, only 1 mm!)
- n. 1 round joint cable (2mt long) complete with pin junction terminal
- n. 1 converter with pin inputs and output with 1 Plug female connector 8-pole quick coupling RJ45 for "CLICK&GO" technology connection. Complete with buzzer.
- 12 Vdc/70 mA power supply

034986CWF2K1
(complete Kit 1)

Kit 2 for one door - for example "interlocking system" composed of:
- n. 2 FLAT-DUALUX ultra-slim type 6 stop/go displays (without thickness, only 1 mm!)
- n. 2 round joint cables (2mt long) complete with pin junction terminals
- n. 1 converter with 2 pin inputs and output with 1 Plug female connector 8-pole quick coupling RJ45 for "CLICK&GO" technology connection. Complete with buzzer
- 12 Vdc/140 mA power supply

034986CWF2K2
(complete Kit 2)

Models for 24Vdc power supply (on request)

FLAT-DUALUX ultra-slim type 6 stop/go display, with "CLICK&GO" technology
Kit 1 same characteristics as the model above but for a 24Vdc/40 mA power supply.
Kit 2 same characteristics as the model above but for a 24Vdc/80 mA power supply.

034986CWF4K1
(complete Kit 1)
034986CWF4K2
(complete Kit 2)

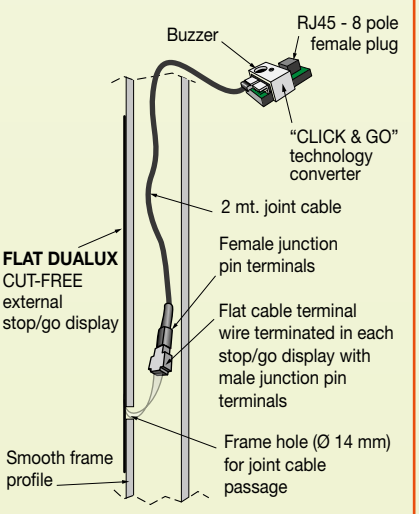
Special configurations available at extra charge
- FLAT-DUALUX stop/go display with customer's and/or customized logo (on request)

Attention!
The innovative "CLICK & GO" technology reduces the time required to route cables and enables you to perform your systems with reliability. It is sufficient to use our pre-cabled "WIREX" cables (see sections "WIREX cables").

STANDARD EQUIPMENT

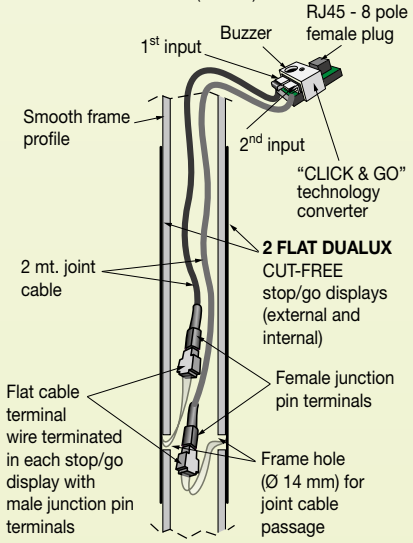
Kit 1 for one door - for example "pass box"
composed of:
- **n. 1** FLAT-DUALUX stop/go display (type 6)
- **n. 1** joint cable
- **n. 1** Click&Go converter

Model 034986CWF2K1 (12 Vdc)
Model 034986CWF4K1 (24 Vdc)

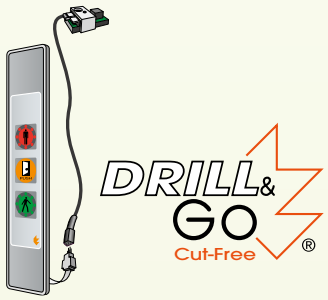


Kit 2 for "interlocked" doors
composed of:
- **n. 2** FLAT-DUALUX stop/go displays (type 6)
- **n. 2** joint cables
- **n. 1** Click&Go converter

Model 034986CWF2K2 (12 Vdc)
Model 034986CWF4K2 (24 Vdc)



INNOVATION



PROFESSIONAL STOP/GO DISPLAYS
FLAT-DUALUX ultra-slim

Complete with converter for immediate wiring
8-pole quick coupling RJ45 PLUG for easy installation

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TECNODIMENSIONE®

Type 7 - "FLUSH" with support flange
even for installation on uneven rough surfaces

	Ordering information		Q.ty
	MODELS		**N°**
Stop/go display group with ultra-slim support flange for "flush" mount on uneven surfaces like plaster, drywall, cement, travertine or wood, etc. It is a "thin" electronic plate applied to the wall (or any surface) with 4 small screws.			
Models for 12 Vdc power supply			
FLAT-DUALUX type 7 stop/go display with ultra-slim support flange (only 4 mm!) for "flush" mount on any type of frame or wall, even with uneven surfaces. - Green/Red LED light + buzzer + N.O. push button (N.C. when pressed). **Kit 1 for one door - for example "pass box" composed of:** - n. 1 FLAT-DUALUX type 7 ultra-slim stop/go display with anodised aluminium flange (only 4 mm thick!) - n. 1 round joint cable (2mt long) complete with pin junction terminal - n. 1 converter with pin inputs and output with 1 Plug female connector 8-pole quick coupling RJ45 for "CLICK&GO" technology connection. Complete with buzzer. - 12 Vdc/70 mA power supply **Kit 2 for one door - for example "interlocking system" composed of:** - n. 2 1 FLAT-DUALUX type 7 ultra-slim stop/go display with anodised aluminium flange (only 4 mm thick!) - n. 2 round joint cables (2mt long) complete with pin junction terminals - n. 1 converter with 2 pin inputs and output with 1 Plug female connector 8-pole quick coupling RJ45 for "CLICK&GO" technology connection. Complete with buzzer - 12 Vdc/140 mA power supply	**034987CWF2K1** (complete Kit 1) **034987CWF2K2** (complete Kit 2)		
Models for 24Vdc power supply (on request)			
FLAT-DUALUX ultra-slim type 7 stop/go display with flange and "CLICK&GO" technology **Kit 1** same characteristics as the model above but for a 24Vdc/40 mA power supply. **Kit 2** same characteristics as the model above but for a 24Vdc/80 mA power supply.	**034987CWF4K1** (complete Kit 1) **034987CWF4K2** (complete Kit 2)		

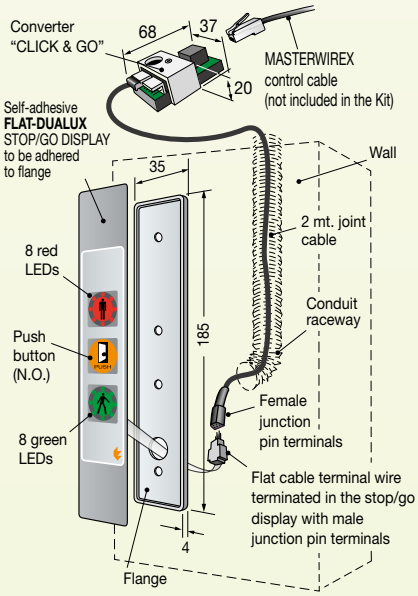
Special configurations available at extra charge
- FLAT-DUALUX stop/go display with customer's and/or customized logo (on request)

Attention!
The innovative "CLICK & GO" technology reduces the time required to route cables and enables you to perform your systems with reliability. It is sufficient to use our pre-cabled "WIREX" cables (see sections "WIREX cables").

Type 7 on the "SAME PLANE"

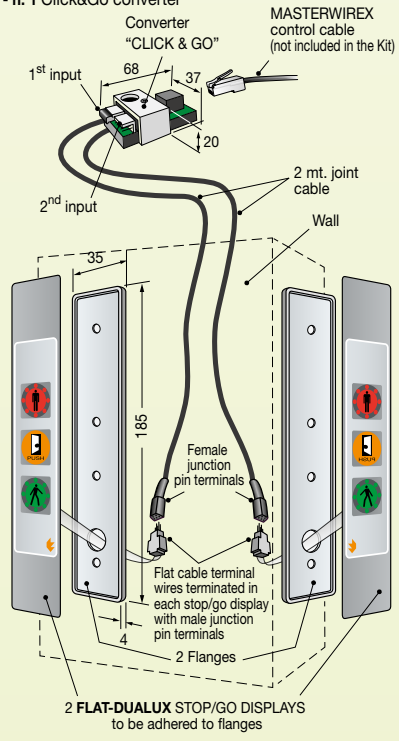
KIT 1 with support flange for wall or frame mount with uneven surfaces.

composed of:
- **n. 1** FLAT-DUALUX type 7 stop/go display with silver coloured anodised aluminium flange
- **n. 1** joint cable
- **n. 1** Click&Go converter



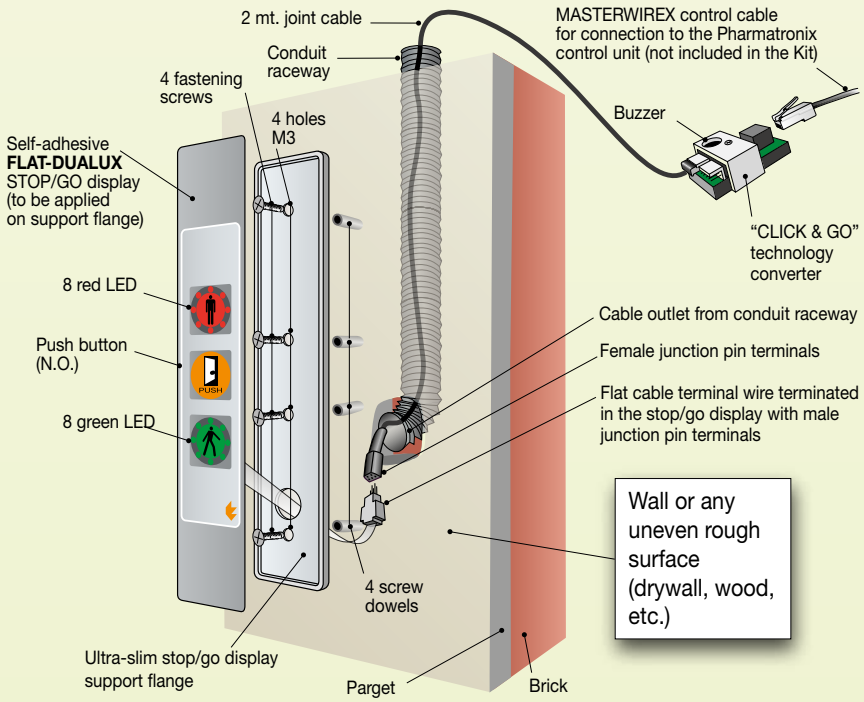
KIT 2 with support flange for wall or frame mount with uneven surfaces.

composed of:
- **n. 2** FLAT-DUALUX type 7 stop/go displays with 2 silver coloured anodised aluminium flanges
- **n. 2** joint cables
- **n. 1** Click&Go converter



(overall dimensions in mm)

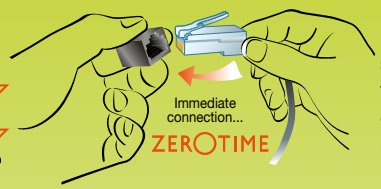
Example of FLAT-DUALUX type 7 stop/go display application complete with ultra-slim support flange for uneven surfaces



INNOVATION

Solenoid drop bolts, electrical door strikes and electromagnets in “CLEAN COVER” case made by solid block of anodised aluminium.

with tecnology Click&GO ZEROTIME®

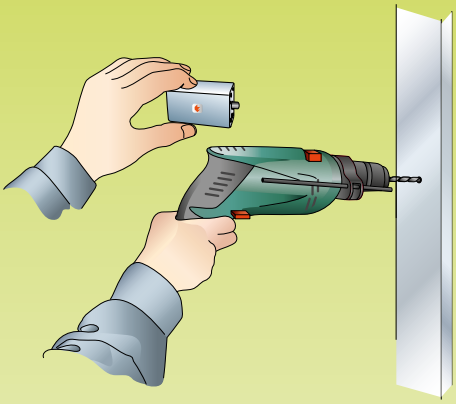


Insert the plug connector...
snap it in place...
that’s all you need for
a perfectly working system...
Click&Go!

No cutting the frame
no work on internal frame
grain!

Only a portable drill is needed to easily install **DRILL&GO** devices on any frame.

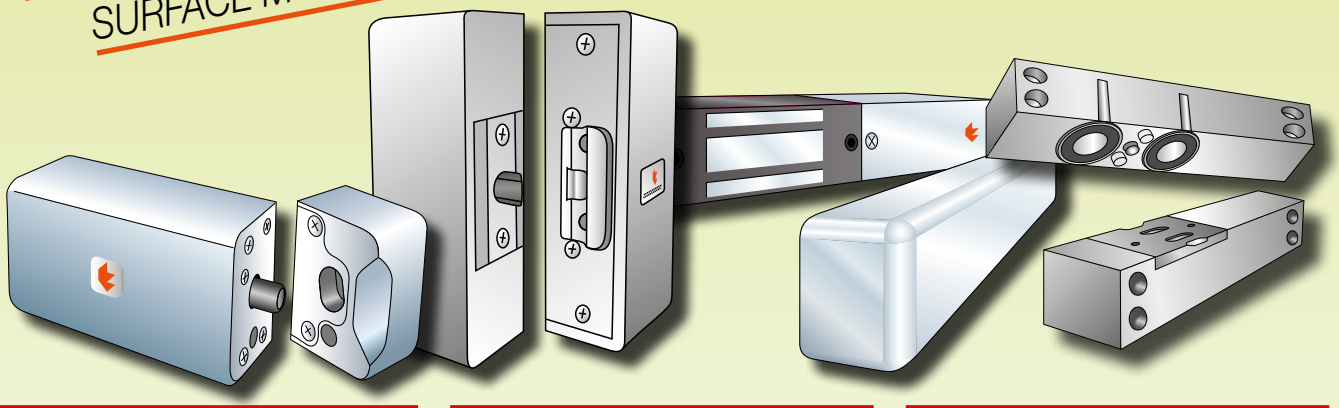
DRILL&GO Cut-Free®



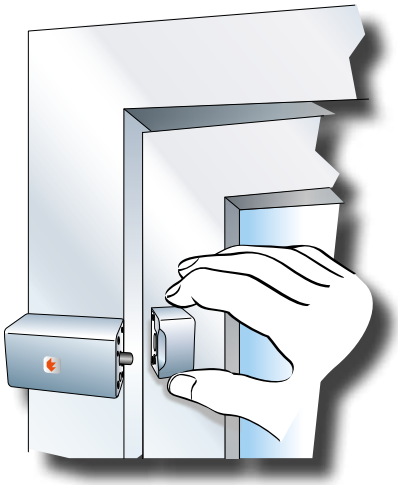
innovation

FOR EASY INSTALLATION

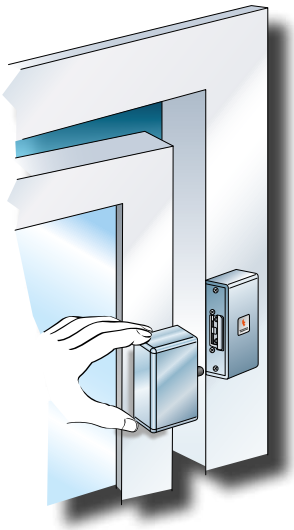
SURFACE MOUNT



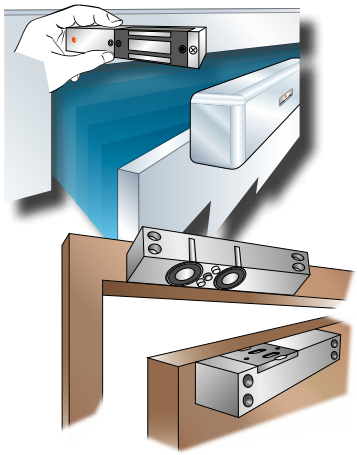
MICROREDLOCK in “*CLEAN COVER*” for surface-mounting



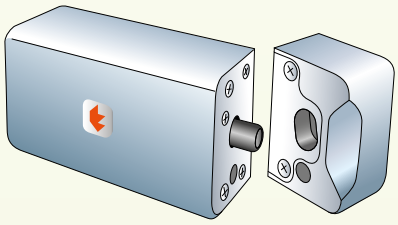
SLIM-DOORSTRIKE in “*CLEAN COVER*” for surface-mounting



SLIM-MINISENTRYLOCK and SLIM-SHEARLOCK in “*CLEAN COVER*” for surface-mounting



MICROREDLOCK, SLIM-DOORSTRIKE, SLIM-MINISENTRYLOCK and SLIM-SHEARLOCK
All provided with a “*CLEAN COVER*” made from silver-coloured, solid anodized aluminium,
ultra-slim, designed to be easily installed on the door surface without any holes and/or cuts in the frame...
... i’ts **DRILL&GO CUT-FREE!**



MICROREDLOCK

in *"CLEAN COVER"* for easy installation surface mount

PROFESSIONAL TECNODIMENSIONE ELECTRICAL DROP BOLTS

With full coverage "CLEAN COVER" made by solid block of anodised aluminium.

FOR EASY INSTALLATION
SURFACE MOUNT

DRILL& GO Cut-Free®

One unit...
for *4* different needs.

1st No frame cutting nor work on internal nervures.
Just drill to install = ***DRILL& GO*** **CUT-FREE**

2nd instant wiring ZEROTIME = **Click&Go**

3rd housed into CLEAN COVER fully made by a solid block of anodised aluminium, easy to clean with appropriate detergents = **CLEAN**

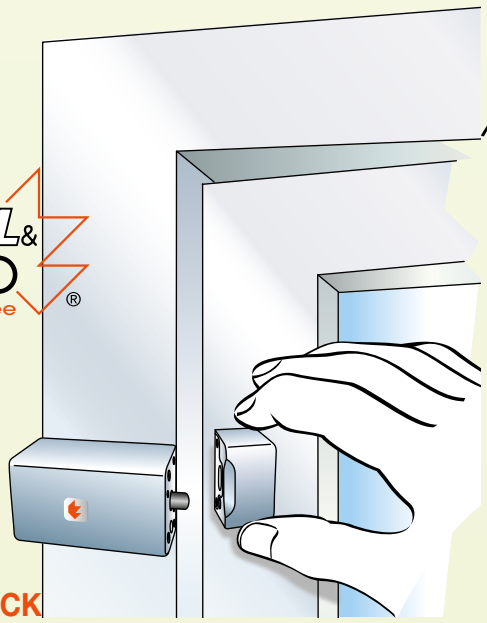
4th fail-safe; it automatically unlocks in the event of power failure freeing the door for emergency exit also in the event of fire = **FAIL-SAFE**

innovation

IDEAL FOR SURFACE APPLICATIONS
ON "CLEAN ROOM" LOCKS.

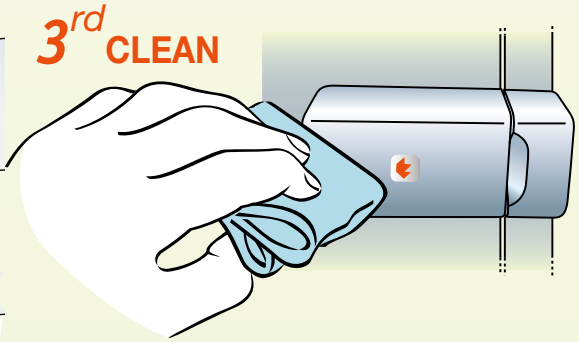
1st
DRILL&GO CUT-FREE

DRILL& GO Cut-Free®



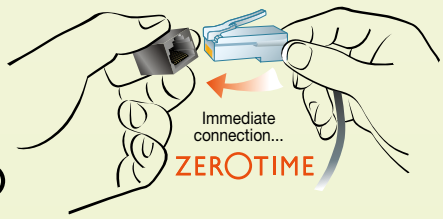
MICROREDLOCK
it is ultra-slim, designed to be easily installed on the door surface without any holes and/or cuts in the frame...
... i'ts **DRILL&GO CUT-FREE!**

3rd **CLEAN**



MICROREDLOCK
housed into protective smooth ***"CLEANCOVER"*** (roughness-free) ...
easy to clean with appropriate detergents...
... i'ts **CLEAN!**

2nd
Click& GO

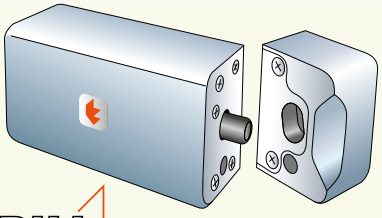


Insert the plug connector... snap it in place...
that's all you need
for a perfectly working system...
Click&Go!

4th
FAIL-SAFE

MICROREDLOCK
Automatic fail-safe unlock = bolt "in" without power, bolt "out" when powered.
In the event of fire or power failure it automatically unlocks freeing the exit...
... it's **FAIL-SAFE!**

INNOVATION



DRILL& GO Cut-Free®

UNIVERSAL ELECTRICAL DROP BOLTS

MICROREDLOCK

in *"CLEAN COVER"*

by single block for easy surface mount

Export Product-list
January 2024

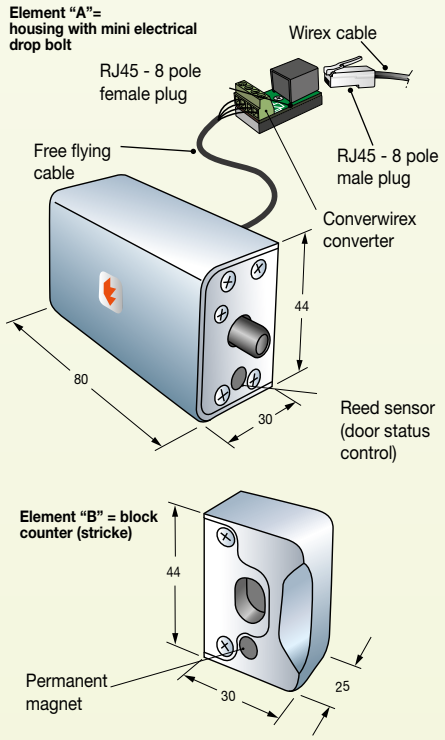
TECNODIMENSIONE®

Mini-electrical drop bolt with full coverage "CLEAN COVER" made by solid block of anodised aluminium.
Ideal for surface mount and surface applications on any type of "CLEAN ROOM" door frame.

ordering information

MODELS		Q.ty N°

MICROREDLOCK "Click & Go"
for surface mounting in protective "CLEAN COVER" housing



(overall dimensions in mm)

Ultra compact MICROREDLOCK mini-electrical drop bolt housed in protective "smooth" (roughness-free) and easy to clean case. Manageable and easy to install on door surfaces without any need to drill and/or cut door frames.

Models for 12 Vdc power supply

MICROREDLOCK mini-electrical drop bolt in "CLEAN COVER". Complete with flying cable (2m) with "CLICK & GO" Converwirex converter with 1 female RJ45-8 pole quick fit plug for instant connection to the Pharmatronix control unit via structured and pre-assembled Wirex cables.
Protective Anticorodal, anodised and mechanically brushed aluminium "CLEAN COVER" made by solid block for easy installation with concealed retractable non-removable bracket.

The kit contains two components:
element "A": is the case that includes the electrical drop bolt to be secured on the door counter frame.
element "B": is the loose reference bolt to be secured on the door leaf frame matching element "A".
- FAIL-SAFE (anti-panic = unlock without power) version with 100% ED coil for a continuous operation.
- Includes a Reed sensor to control door status.
- Power supply 12 V DC/390 mA.
- Element A dimensions 80 x 30 x 44 mm
- Element B dimensions 25 x 30 x 44 mm
- Weight g 320

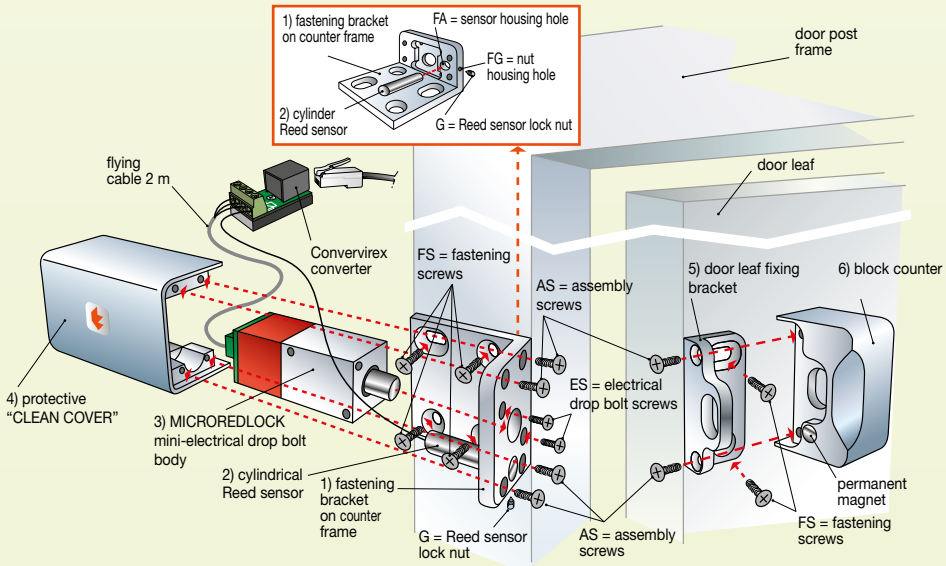
00803A2RCZW
Lh/Rh reversible

Models for 24Vdc power supply (on request)

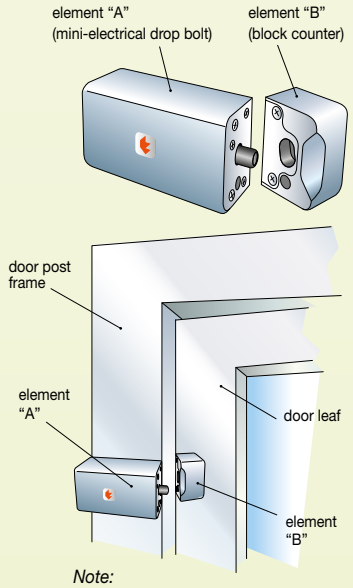
Models with 24Vdc power supply (on request)
Mini-electrical drop bolt for MICROREDLOCK surface mount in "CLEAN COVER" like above but with 24Vdc/140mA power.

00803A4RCZW

MICROREDLOCK mini-electrical drop bolt in "CLEAN COVER" installation method



Example of a door complete with permanently assembled MICROREDLOCK mini-electrical drop bolt



Element "A" exploded view
"CLEAN COVER" that includes the mini-electrical drop bolt (to be secured on the counter frame)

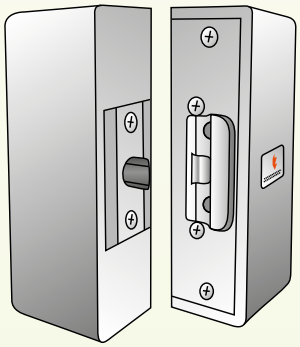
Element "A" assembly sequence
to be secured on counter frame:
a) secure the bracket (1) on the counter frame with the four FS fastening screws.
b) place the cylinder Reed sensor (2) in the matching FA hole.
c) lock the sensor by screwing the G nut into the FG hole.
d) secure the mini-electrical drop bolt body (3) to the bracket (1) with the two supplied ES screws.
e) insert the protective cover (4) over the assembled electrical drop bolt (3), + bracket (1) + sensor (2). Complete by securing the case (4) with the four supplied AS assembly screws that bind the components.

Element "B" exploded view
"CLEAN COVER" that includes the block counter bolt (to be secured on the door leaf)

Element "B" assembly sequence
to be fastened on the door leaf
a) secure the bracket (5) on the door leaf with the two FS fastening screws.
b) insert the block counter bolt (6) on the bracket and fasten together with the two supplied AS assembly screws that bindm the two components together.

Note:
AS = 6 supplied assembly screws
ES = 2 supplied electrical drop bolt screws.
FS = 6 fastening screws supplied by the installer (based on the type of door frame).
G = 1 supplied nut.

INNOVATION



SLIM-DOORSTRIKE

in *"CLEAN COVER"* for easy installation surface mount

PROFESSIONAL TECNODIMENSIONE ULTRA COMPACT ELECTRICAL DOOR STRIKE

With full coverage "CLEAN COVER" made by single block of anodised aluminium.

FOR EASY INSTALLATION
SURFACE MOUNT

One unit...
for *4* different needs.

1st No frame cutting nor work on internal nervures.
Just drill to install = ***DRILL& GO*** **CUT-FREE**

2nd instant wiring ZEROTIME = **Click&Go**

3rd housed into CLEAN COVER fully made by single block of anodised aluminium, easy to clean with appropriate detergents = **CLEAN**

4th fail-safe; it automatically unlocks in the event of power failure freeing the door for emergency exit also in the event of fire = **FAIL-SAFE**

innovation

IDEAL FOR SURFACE APPLICATIONS
ON "CLEAN ROOM" LOCKS

INNOVATION

1st DRILL&GO CUT-FREE

SLIM-DOORSTRIKE
it is ultra slim, designed to be easily installed on the door surface without any holes and/or cuts in the frame...
... i'ts **DRILL&GO CUT-FREE!**

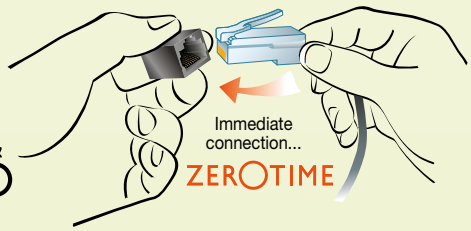
3rd CLEAN

SLIM-DOORSTRIKE
housed into protective smooth ***"CLEAN COVER"*** (roughness-free) ...
easy to clean with appropriate detergents...
... i'ts **CLEAN!**

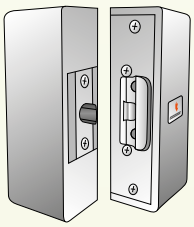
4th FAIL-SAFE

SLIM-DOORSTRIKE
Automatic fail-safe unlock.
In the event of fire or power failure it automatically unlocks freeing the exit...
... it's **FAIL-SAFE!**

2nd Click& GO



Insert the plug connector... snap it in place...
that's all you need
for a perfectly working system...
Click&Go!



Click & GO ZEROTIME®

ULTRA COMPACT ELECTRICAL DOOR STRIKE
SLIM-DOORSTRIKE
in *"CLEAN COVER"*
by single block for easy surface mount

Export Product-list
January 2024

TECNODIMENSIONE®

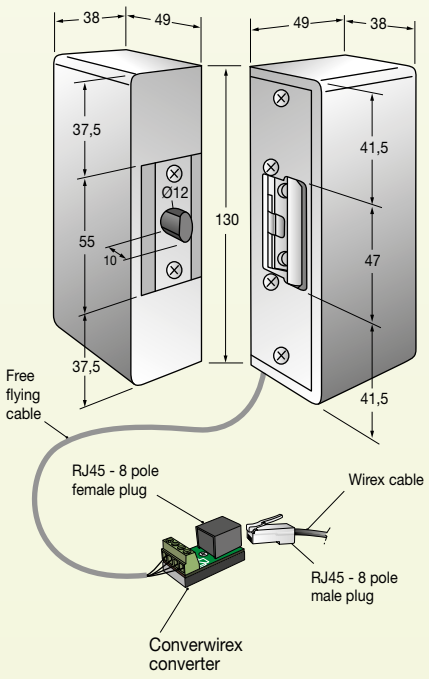
Electrical door strike with full coverage "CLEAN COVER" made by single block of anodised aluminium.
Ideal for surface mount and surface applications on any type of "CLEAN ROOM" door frame.

Ordering information		Q.ty
MODELS		**N°**

"CLICK & GO" SLIM-DOORSTRIKE
for surface mounting in protective "CLEAN COVER" housing

Element "A"= CLEANCOVER housing lock with mini spring bolt

Element "B"= CLEANCOVER housing with door strike



(overall dimensions in mm)

Ultra compact SLIM-DOORSTRIKE electrical door strike housed into protective "smooth" (roughness-free) and easy to clean case. Manageable and easy to install on door surfaces without any need to drill and/or cut door frames.

Models for 12 Vdc power supply

SLIM-DOORSTRIKE electrical door strike in "CLEAN COVER". Complete with flying cable (2m) with "CLICK & GO" Converwirex converter with 1 female RJ45-8 pole quick fit plug for instant connection to the Pharmatronix control unit via structured and pre-assembled Wirex cables.
Protective Anticorodal, anodised and mechanically brushed aluminium "CLEAN COVER" made by single block for easy installation with concealed non-removable bracket.
The kit contains two components:
element "A": is the case that includes the electrical reference to be secured on counter frame.
element "B": is the loose reference bolt to be secured on the door leaf frame matching element "A".

- FAIL-SAFE (anti-panic = unlock without power) version with 100% ED coil for a continuous operation.
- Includes a Reed sensor to control door status.
- Power supply 12 V DC/390 mA.
- Overall dimensions 137 x 49 x 38 mm (for each of the two units)
- Weight kg 1,100

0158J12DCW
Lh/Rh reversible kit for pull-open doors

0158J12SCW
Lh/Rh reversible kit for push-open doors

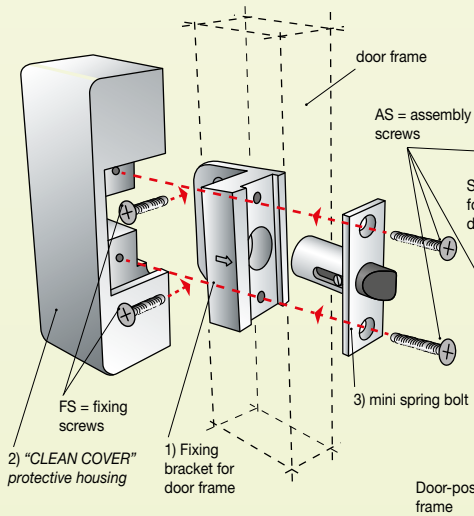
Models for 24Vdc power supply (on request)

Electrical door strike for surface mount
SLIM-DOORSTRIKE in *"CLEAN COVER"* idem c.s. like above but with 24Vdc/140mA power.

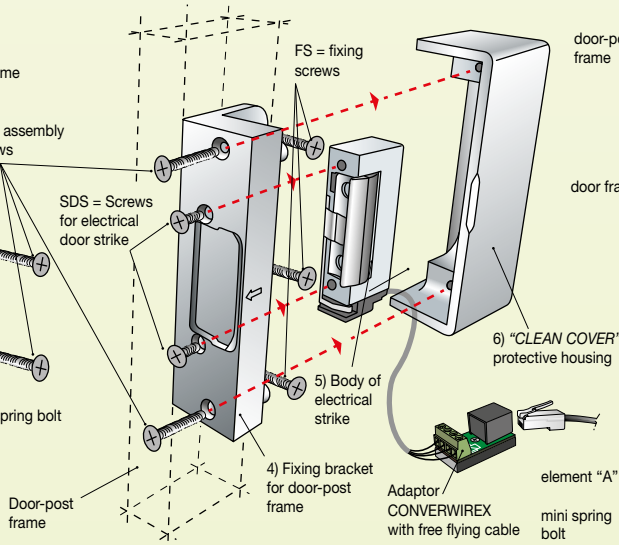
0158J14DCW
0158J14SCW

SLIM-DOORSTRIKE ELECTRICAL BOLT IN "CLEAN COVER" ASSEMBLY METHOD

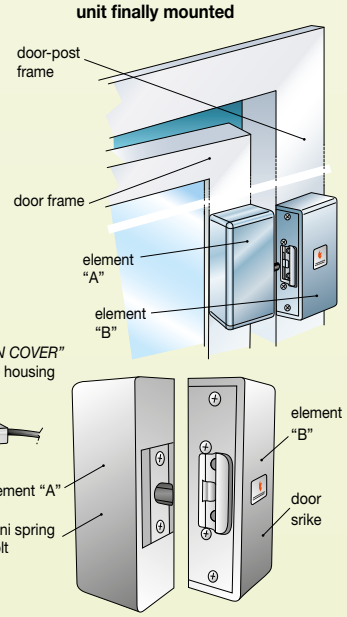
"A" element exploded view
Housing protective which includes mini spring bolt (to be mounted on door)



"B" element exploded view
Housing protective *"CLEAN COVER"* which includes electrical door strike (to be mounted on door-post)



Example of one door complete with doorstrike CLEANCOVER-DOORSTRIKE unit finally mounted



Assembly sequence for element "A"
to be mounted on door frame:

a) secure the bracket (1) on the door with the two FS fixing screws
b) Insert the protective housing (2) to cover the bracket (1).
c) insert the mini spring bolt (3) in the hole in the bracket and assembly all parts with the two supplied pass-through AS screws that link all the three parts together.

Assembly sequence for element "B"
to be mounted on door-post frame:

a) secure the bracket (4) on the door-post with three FS fastening screws.
b) secure the electrical door strike body (5) with the two SDS screws supplied with the bracket (4).
c) insert the protective housing (6) to cover the bracket (4) with electrical door strike (5) and connect all parts with the two AS supplied pass-through screws that linck all the three parts together.

Note:
AS = 4 assembly screws (+ SDS = 2 screws for electrical door strike) supplied together.

FS = 5 fixing and fastening screws on frame should be provided by installer (based on type of frame).

INNOVATION

PROFESSIONAL
ELECTRICAL LOCKS

Introduction to the choice of Mini electromagnets multipurpose

The entire range of Tecnodimensione's professional electromagnets is designed and built to meet the most demanding "electromagnetic lockout" requirements.

The types of mini-electromagnets are intended for:

- Applications on structures designed keep specific doors closed.
  Not necessarily to provide extreme resistance to attempted break-in, but whose purpose is that of monitoring to prevent forced entry and to discourage misuse, diversions or damage to access doors. Doors through which unauthorised persons must not pass (e.g. emergency exits, classified areas such as sterile rooms, hospital wards with problematic patient areas, etc.).
  At the same time, these controlled doors can be opened and unlocked without jamming in the event of a hazard, fire, etc., becoming safe passageways or escape routes with automatic panic release in the event of a power failure.

- Very small, compact and elegantly designed. They achieve their goal of being "the electromagnetic locking block" with the lowest aesthetic impact on the door structure compared to conventional electromagnets available on the market.

- Two holding functions: front anchoring with "magnetic adhesion" or recessed with 'shear locking'.

- Functional purposes: "Fail-Safe" automatic anti-panic and crush safe.

- Power supply: 12Vdc/7mA (very low consumption unit).

- External protection: with anodised monobloc aluminium "Clean Cover" protective housing machined from solid, for easy, non-removable surface mounting with no visible screws.

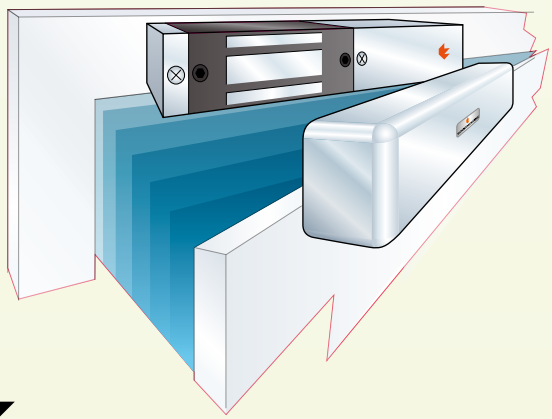
INNOVATION

MINI ELECTROMAGNETS MULTIPURPOSE

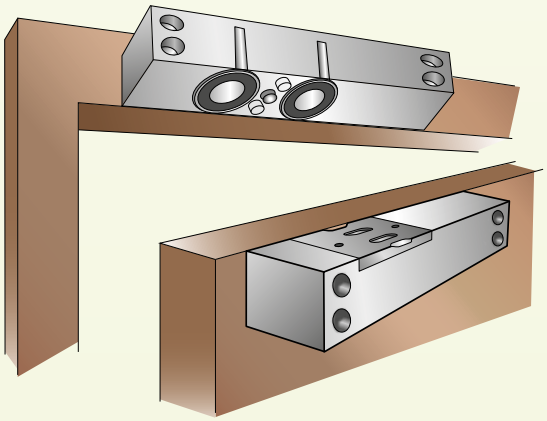
2 types available

FOR EASY SURFACE MOUNT INSTALLATION

Slim Minisentrylock Series
in "CLEAN COVER" housing



Slim Shearlock Series
in "CLEAN COVER" housing



FRONT LOCKING

Front mounted mini-electromagnets with magnetic adhesion.

Frontal anchorage is achieved by magnetic adhesion between the face of the electromagnet and the face of the counter plate.
In practice, when the door is aligned in the stop moulding, the two coplanar surfaces fit together perfectly and a magnetic hold is established between them (with a powered holding electromagnet).
Key features:

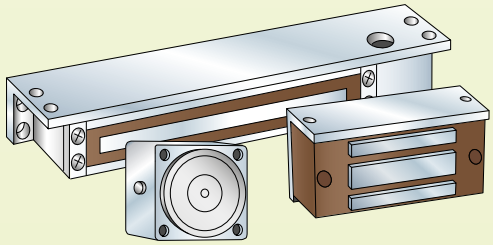
- Fail-Safe: emergency unlock even in the event of a fault (release in the event of a power failure).
- Crush-safe: the unlock door command works even if pressure is applied to the door (e.g. crowds of people).
- Monitoring: fitted with a sensor to indicate door status (closed/open).

SHEAR LOCKING

Recessed shear-locking mini-electromagnets.

The shear anchoring is obtained by means of 2 stainless steel pins (located at the ends of the face of the electromagnet) which fit into the 2 correspondingly shaped seats (indentations) on the face of the floating counter plate.
In practice, when the door is aligned in the stop moulding, the electromagnet (when energised) attracts the face of the floating counter plate, which, when raised, aligns with the corresponding face of the electromagnet.
This causes the 2 stainless steel interlock with it.
In this case, the high resistance shear locking is by recessed mounting.
Key features:

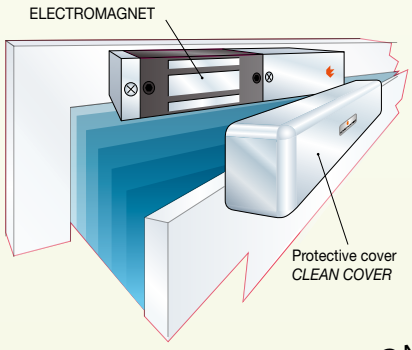
- Fail-Safe: emergency unlock even in the event of a fault (release in the event of a power failure).
- Resistance: is greatly increased (compared to simple magnetic adhesion) due to the magnetic interlocking of the two stainless steel pins.
- Monitoring: fitted with a sensor to indicate door status (closed/open)



OTHER TYPES AVAILABLE

Universal Magnets of VARIOUS STRENGTHS and DIMENSIONS
see page 62

INNOVATION



SLIM-MINISENTRYLOCK

in *"CLEAN COVER"* for easy installation surface mount

TECNODIMENSIONE PROFESSIONAL ELECTROMAGNETS

Frontal door safety locks. Mini-compact unit with one-piece "CLEAN COVER" made of anodised aluminium.

One unit... for 4 different needs.

FOR EASY INSTALLATION
SURFACE MOUNT

DRILL& GO Cut-Free®

innovation

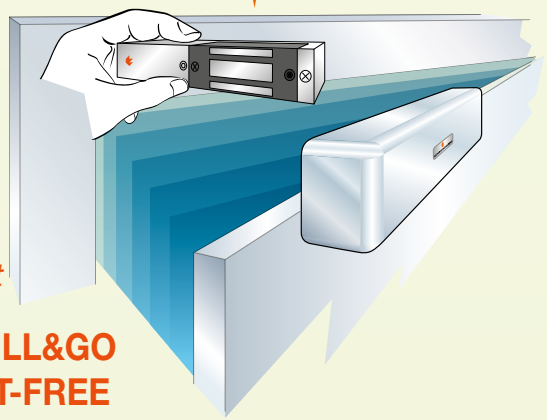
1st No frame cutting nor work on internal nervures. Just drill to install = ***DRILL& GO CUT-FREE***

2nd instant wiring ZEROTIME = **Click&Go**

3rd housed into CLEAN COVER fully made by single block of anodised aluminium, easy to clean with appropriate detergents = **CLEAN**

4th fail-safe; it automatically unlocks in the event of power failure freeing the door for emergency exit also in the event of fire = **FAIL-SAFE**

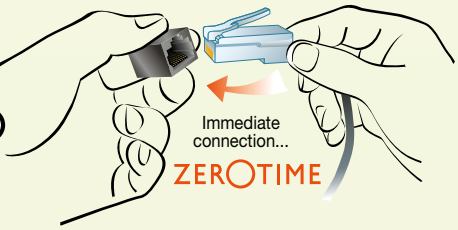
IDEAL FOR SURFACE APPLICATIONS
ON "CLEAN ROOM" LOCKS.



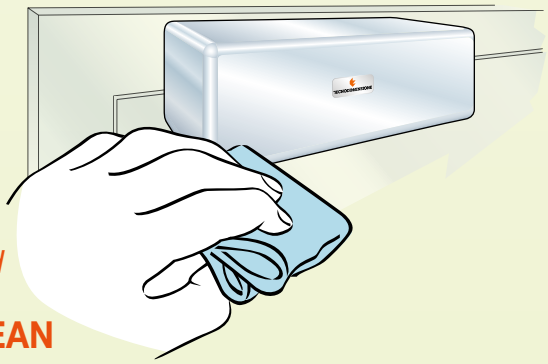
1st DRILL&GO CUT-FREE

SLIM-MINISENTRYLOCK
it is ultra slim, designed to be easily installed on the door surface without any holes and/or cuts in the frame...
...i'ts **CUT-FREE!**

2nd Click& GO



Insert the plug connector... snap it in place... that's all you need for a perfectly working system...
Click&Go!

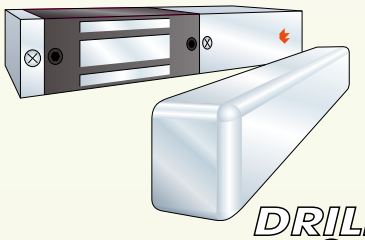


3rd CLEAN

SLIM-MINISENTRYLOCK
housed into protective smooth ***"CLEAN COVER"*** (roughness-free) ...
easy to clean with appropriate detergents...
... i'ts **CLEAN!**

4th FAIL-SAFE

SLIM-MINISENTRYLOCK
Automatic fail-safe unlock.
In the event of fire or power failure it automatically unlocks freeing the exit...
... i'ts **FAIL-SAFE!**



PROFESSIONAL MINI ELECTROMAGNETS

SLIM-MINISENTRYLOCK

in "CLEAN COVER"

Eletromagnetic crush-safe lock

Export Product-list
January 2018

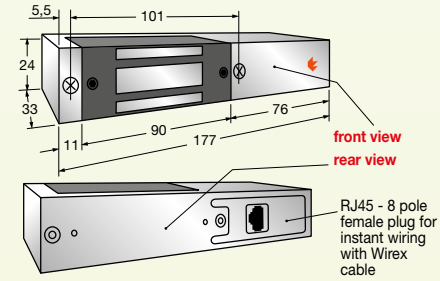
TECNODIMENSIONE®

Mini electromagnet with full coverage "CLEAN COVER" made by single block of anodised aluminium.
Ideal for surface mount and surface applications on any type of "CLEAN ROOM" door frame.

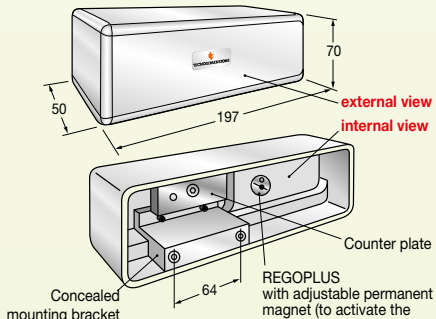
ordering information		Q.ty
MODELS		**N°**

SLIM-MINISENTRYLOCK "CLICK & GO"
for surface mounting in protective "CLEAN COVER" housing

Element "A" = body of electromagnet



Element "B" = "CLEAN COVER" protective housing



(overall dimensions in mm)

Ultra compact mini electromagnet SLIM-MINISENTRYLOCK encased in protective "smooth" (roughness-free) and easy to clean case. Manageable and easy to install on door surfaces without any need to drill and/or cut door frames.

Models for 12 Vdc power supply

Mini electromagnet SLIM-MINISENTRYLOCK in "CLEAN COVER" "CLICK & GO" technology, with 1 female RJ45-8 pole quick fit plug for instant connection to the Pharmatronix control unit via structured and pre-assembled Wirex cables.
The kit contains two components:
element "A": is the **electromagnet** (to be fitted to the top rail of the door frame) and
element "B": which is the **protective** "CLEAN COVER" (to be fitted over component "A" on the upper side of door leaf).
- 12 Vdc/70 mA power supply (units with very low consumption).
- Pressure resistance 60 Kp (equivalent to 600 Newton) to be enough and prevent adequately un-authorized opening of the door.
- Frontal lock with strike plate (armature)
- Adjustable Regoplus proximity reed sensor for controlling door status with 1A SPDT switch.
- Protective Anticorodal, anodised and mechanically brushed aluminium "CLEAN COVER" made by single block for easy installation with concealed non-removable bracket.
- Dimensions 197 x 70 x 50 mm
- Weight Kg 1.55

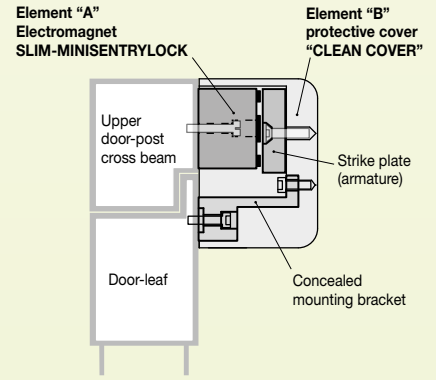
0020804A2UW

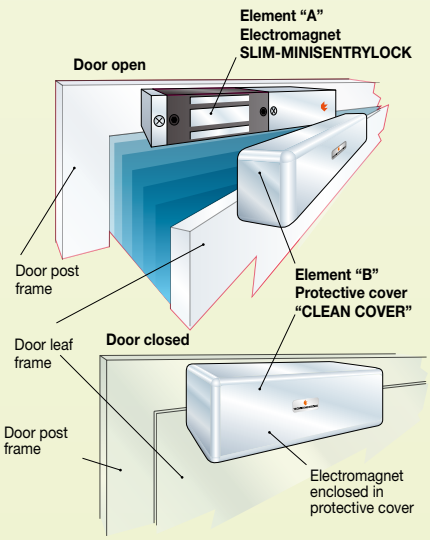
Models for 24 Vdc power supply

SLIM-MINISENTRYLOCK with "CLICK & GO" electromagnet as above but for a 24 V DC /50 mA power supply

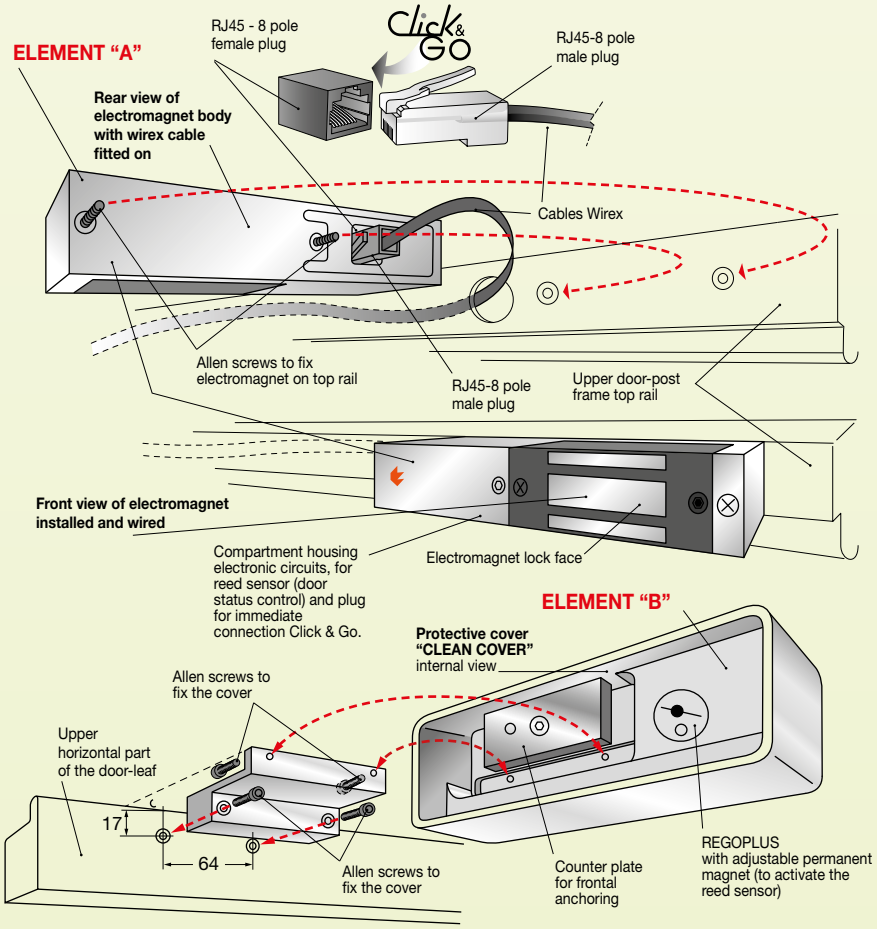
0020804A4UW

CROSS SECTION VIEW

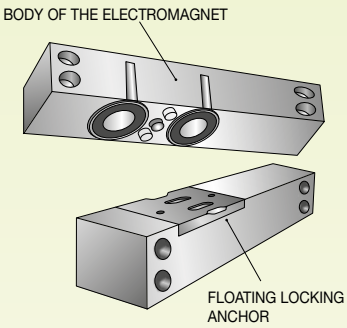




EXAMPLES OF WIREX FAST CONNECTING CABLES FOR "CLICK & GO" MODELS



INNOVATION



SLIM-SHEARLOCK

in *"CLEAN COVER"* housing for easy surface mounting

PROFESSIONAL MINI ELECTROMAGNETS TECNODIMENSIONE

Shear locking for anti-crowding a door protection.
Mini-compact unit with one-piece "CLEAN COVER" made of anodised aluminium.

FOR EASY INSTALLATION
SURFACE MOUNT

DRILL& GO Cut-Free®

innovation

One unit...
for 4 different needs.

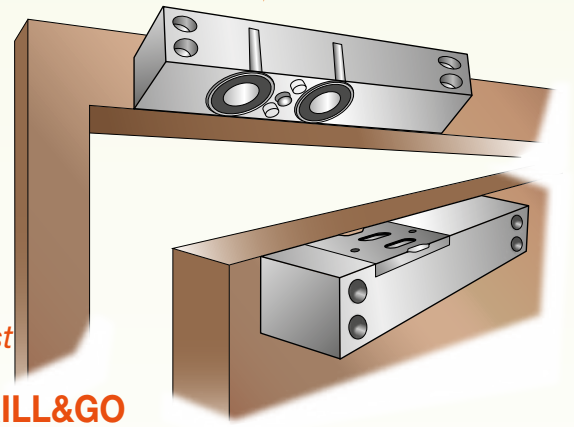
1st No frame cutting nor work on internal nervures.
Just drill to install = ***DRILL& GO* CUT-FREE**

2nd instant wiring ZEROTIME = **Click&Go**

3rd housed into CLEAN COVER fully made by single block of anodised aluminium, easy to clean with appropriate detergents = **CLEAN**

4th fail-safe; it automatically unlocks in the event of power failure freeing the door for emergency exit also in the event of fire = **FAIL-SAFE**

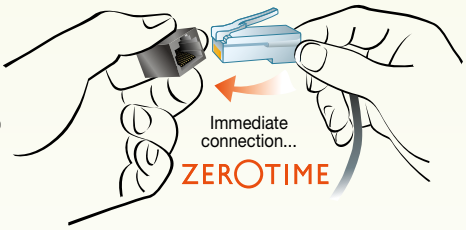
IDEAL FOR SURFACE APPLICATIONS
ON "CLEAN ROOM" LOCKS.



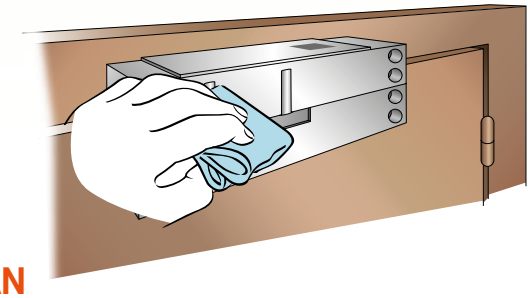
1st
DRILL&GO
CUT-FREE

SLIM-MINISENTRYLOCK
it is ultra slim, designed to be easily installed on the door surface without any holes and/or cuts in the frame...
...i'ts **CUT-FREE!**

2a
Click& GO



Insert the plug connector... snap it in place...
that's all you need
for a perfectly working system...
Click&Go!

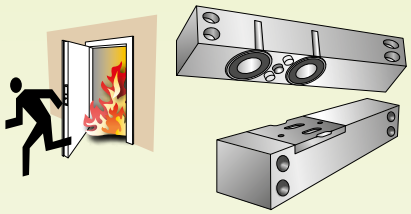


3rd
CLEAN

SLIM-MINISENTRYLOCK
housed into protective smooth *"CLEAN COVER"* (roughness-free) ...
easy to clean with appropriate detergents...
... i'ts **CLEAN!**

4a
FAIL-SAFE

SLIM-MINISENTRYLOCK
Automatic fail-safe unlock.
In the event of fire or power failure it automatically unlocks freeing the exit...
... i'ts **FAIL-SAFE!**



Automatic fail-safe unlock. In the event of fire or power failure it automatically unlocks freeing the exit....it's **FAIL-SAFE!**

PROFESSIONAL MINI ELECTROMAGNETS
SLIM-SHEARLOCK
in "CLEAN COVER" housing
Shear-locking electromagnet

Export Product-list
January 2024

TECNODINAMENSIONE®

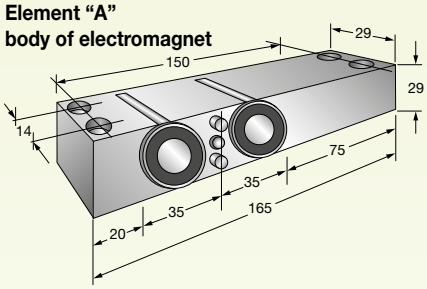
Mini elettromagnet with full coverage ***"CLEAN COVER"*** made by single block of anodised aluminium.
Ideal for surface mount and surface applications on any type of door frame = DRILL&GO.

Ordering information		Q.ty
MODELS		**N°**

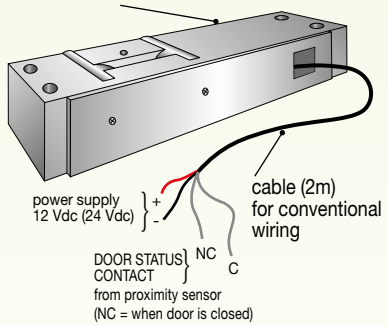
SLIM-SHEARLOCK
"DRILL&GO" shear-locking holding electromagnet for surface-mounting

Ultra compact mini electromagnet **SLIM-MINISENTRYLOCK** encased in protective "smooth" (roughness-free) and easy to clean case. Manageable and easy to install on door surfaces without any need to drill and/or cut door frames = DRILL&GO.

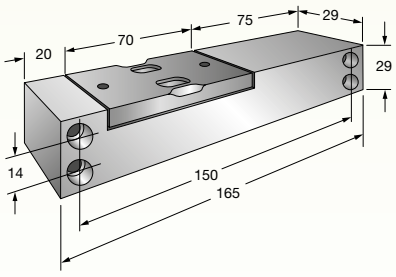
Element "A"
body of electromagnet



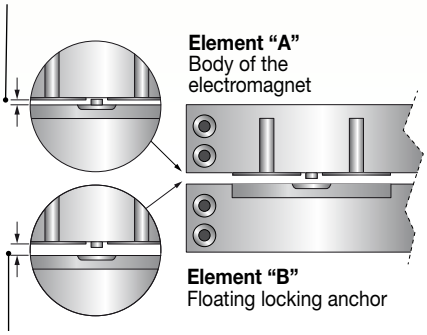
Element "A"
Body of electromagnet:
rear view cable fitted



Element "B"
Floating locking anchor



minimum distance 2 mm

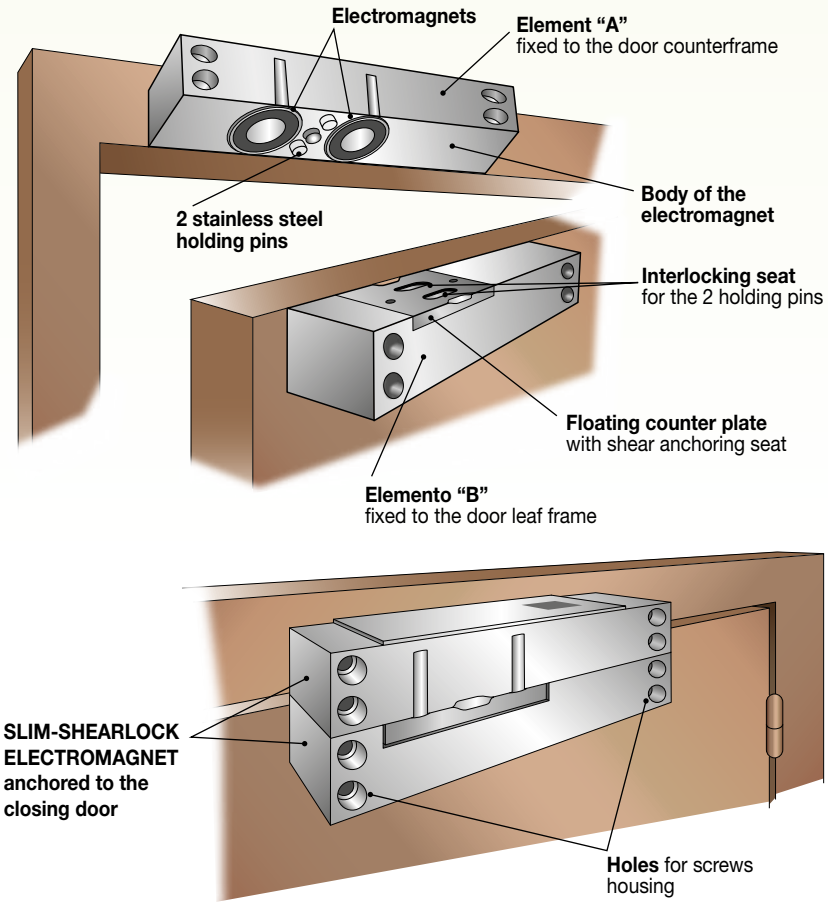


maximum distance 5 mm

(dimensions in mm)

Models for 12 Vdc power supply			
SLIM-SHEARLOCK **fail-safe version (anti-panic)** mini electromagnet in ***"CLEAN COVER"*** case complete with 4-lead flying cable (2 m) of which 2 from the door status sensor and 2 for power. The kit contains two components: **element "A"**: is the electromagnet (to be fitted to the top rail of the door frame) and **element "B"**: which is the protective ***"CLEAN COVER"*** (to be fitted over component "A" on the upper side of door leaf). - 12 Vdc/70 mA power supply (units with very low consumption). - High thrust resistance due to 2 interlocking stainless steel pins - Shear anchorage - Protective Anticorodal, anodised and mechanically brushed aluminium ***"CLEAN COVER"*** made by single block for easy installation with concealed non-removable bracket. - **element "A":** overall dimensions electromagnet 165x29x29 mm - **element "B":** overall dimensions electromagnet 165x29x29 mm - Weight kg 0,9	**002093B2WEP**		
Models for 24 Vdc power supply			
SLIM-SHEARLOCK electromagnet like above but with 24 Vdc/50 mA power supply	**002093B4WEP**		

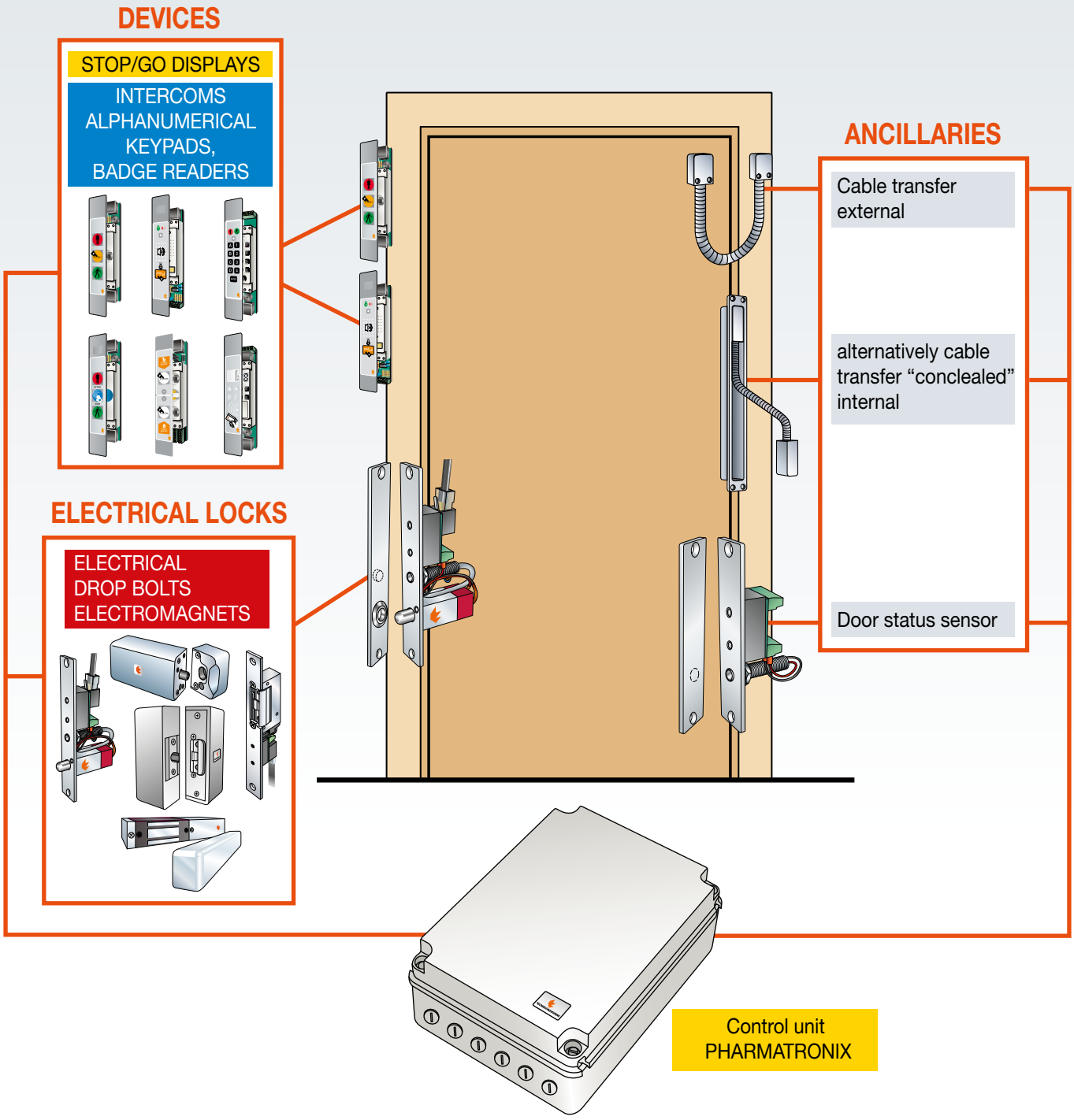
EXAMPLES OF CONNECTING ELECTROMAGNET SLIM-SHEARLOCK



INNOVATION

TECNODIMENSIONE PROFESSIONAL ANCILLARIES FOR INSTALLATION

Example of a door equipped with devices, electric locks and accessories



TECNODIMENSIONE
security with style

ACCESSORIES

for structured and pre-configured WIREX cables

with RJ45 8-pole quick fitting plug, "Click&Go" technology, for a more practical installation and immediate cable routing
ZEROTIME

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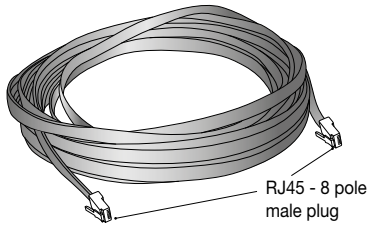
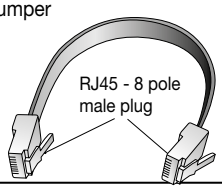
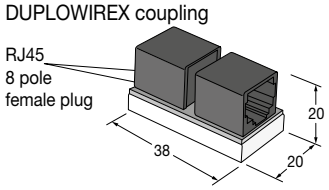
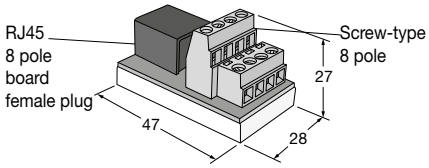
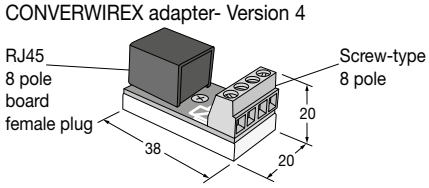
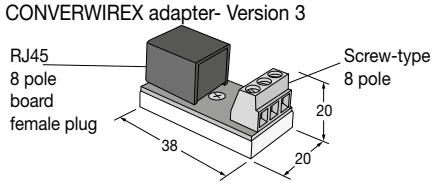
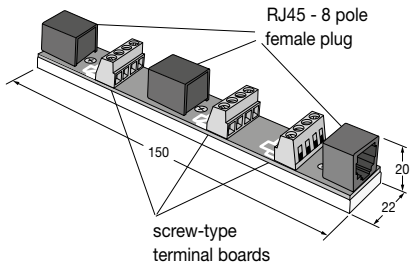
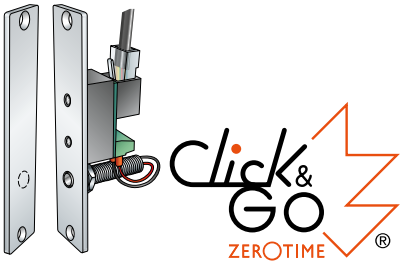
January 2024

TECNODIMENSIONE®

		ordering information		Q.ty
		MODELS		N°
MASTERWIREX cable 	**MASTERWIREX**			
	MASTERWIREX control cable (to interconnect the Stop/Go displays at Pharmatronix unit/VOXTRONIX module), "CLICK & GO" technology, with 2 RJ45 8-pole male/male end plugs. Flat cable, standard length of 10 m, black.	**034928WD**		
	Cable, same features as the model above, for the interconnection of the electric drop bolt to the control unit. Cable, same features as the model above, for the interconnection of auxiliary units to the control unit. Cable, same features as the model above, for the interconnection of the sensors to the control unit.	**034928WL** **034928WN** **034928WS**		
TANDEMWIREX jumper 	**TANDEMWIREX**			
	TANDEMWIREX jumper designed to be used to link 2 Stop/Go displays (in master/slave configuration), "CLICK & GO" technology, with 2 RJ45 8-pole male/male end plugs. Flat cable, standard length of 20 cm, black.	**034916W**		
DUPLOWIREX coupling 	**DUPLOWIREX COUPLING**			
	DUPLOWIREX coupling, made of RJ45 8-pole female plugs for the immediate extension of WIREX cables.	**034918FFW**		
CONVERWIREX adapter- Version 8 	**CONVERWIREX**			
	CONVERWIREX adapter designed to be used to convert the output of MASTERWIREX cables, fitted with one RJ45 8-pole male plug. Constituted by one RJ45 8-pole female plug and 8 screw-type terminals for conventional cables. For the conversion of RJ45 8-pole pin-to-pin outputs on 8 screwtype terminals.	**034918W**		
CONVERWIREX adapter- Version 4 	CONVERWIREX adapter designed to be used to convert the output of MASTERWIREX cables, fitted with one RJ45 8-pole male plug. Constituted by one RJ45 8-pole female plug and 4 screw-type terminals for conventional cables. For the conversion of RJ45 R 3+3+1+1 8-pole outputs on 4 screw-type terminals.	**034914W**		
CONVERWIREX adapter- Version 3 	CONVERWIREX adapter designed to be used to convert the output of MASTERWIREX cables, fitted with one RJ45 8-pole male plug. Constituted by one RJ45 8-pole female plug and 3 screw-type terminals for conventional cables. For the conversion of RJ45 R 3+2+3 8-pole outputs on 3 screwt-ype terminals.	**034913W**		
DUALWIREX adapter for doors with 2 leaves 	DUALWIREX adapter to simultaneously control each of the 2 leaves (of a door with 2 leaves). The adapter can be connected to the two respective Reed proximity sensors (sensors that controls the door approaching) and/or to the electric locking system fitted with an independent door status sensor. The adapter comes with an 8-pole quick fitting RJ45 plug for the instantaneous connection of WIREX cables using the "Click & Go" technology. Note: the screw-type terminal boards built-in the adapter are used for conversion internal connections configured in the factory.	**034924W**		

(overall dimensions in mm)



PROFESSIONAL PROXIMITY SENSORS

SLIM-PROXY

With quick fitting 8 pole RJ45 plug to simplify installation and wiring

Export Product-list
January 2024

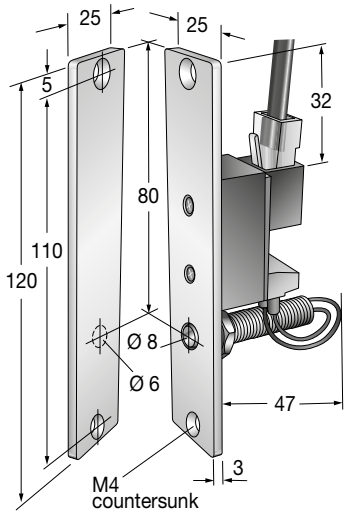
TECNODIMENSIONE®

Magnetic Reed sensor complete with flange and counterflange in anodised aluminium with "silver" finish for flush mounting.
Ideal for "clean rooms".

Ordering information		Q.ty
MODELS		**N°**

SLIM-PROXY SENSOR "CLICK & GO"

For recess mounting



Recess-mounting proximity sensor to control the approaching of the door. Designed to be used in systems with "inter-signalling" logic (that is without electrical locking systems).
The proximity sensor can alternatively be used to control the approaching of the inactive door leaf for doors with two leaves. Suitable both for inter-signalling and interlocking systems.

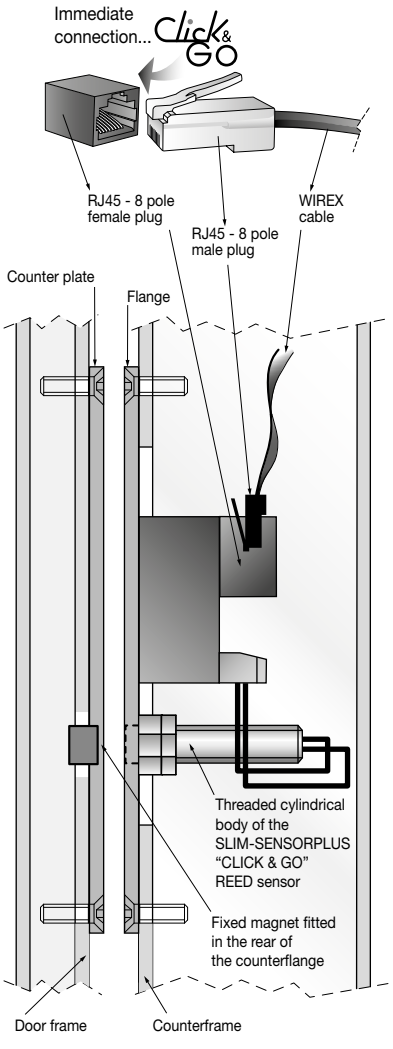
Models for 12 Vdc power supply

SLIM-PROXY Reed sensor for flush mounting with "CLICK & GO" technology. Fitted with 1 8-pole female quick fitting RJ45-8 connector for instantaneous connections.
- Reed sensor to control the approaching of the door (axially adjustable)
- SPDT switching output contacts (dry) capacity 0.9/12 V

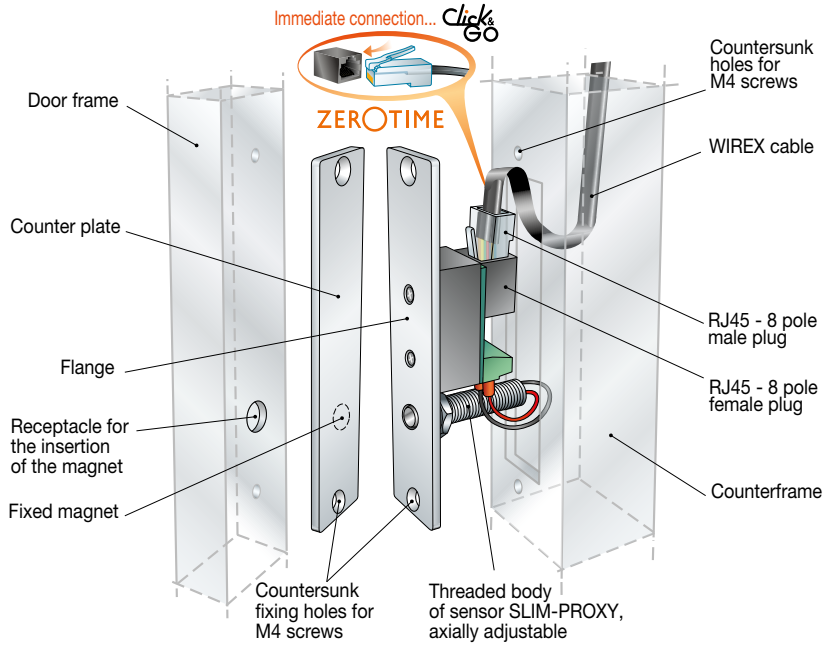
Fitted with flange and counterflange in anodised aluminium with "silver" finish and high flow magnet built-in on the rear of the reference counterflange.

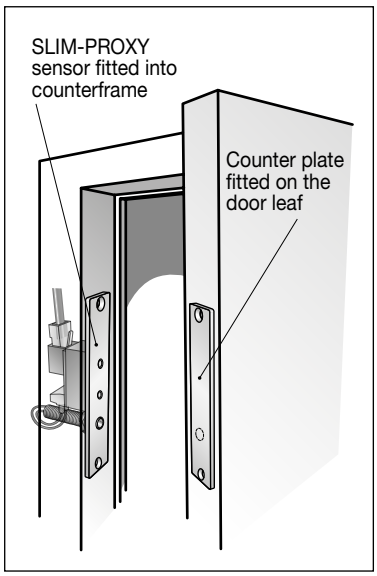
032111WF

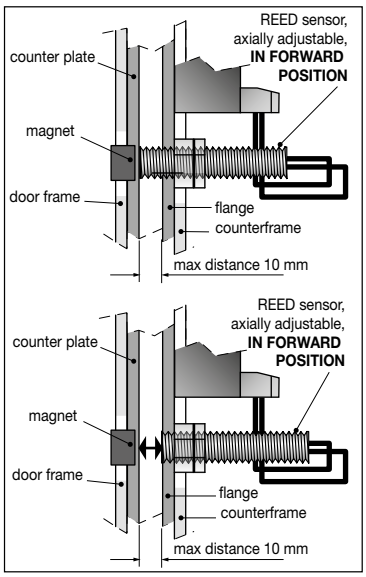
EXAMPLE OF IMMEDIATE ASSEMBLY



EXAMPLES OF WIREX FAST CONNECTING CABLES FOR "CLICK & GO" MODELS







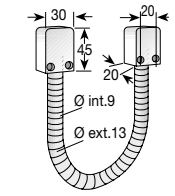
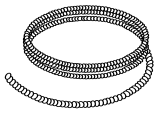
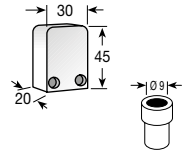
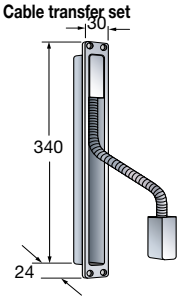
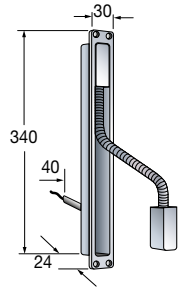
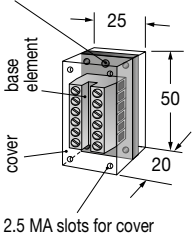
ACCESSORIES

PROFESSIONAL ANCILLARIES FOR CABLE TRANSFER ELECTRICAL WIRING ARRANGEMENT

cable transfer (traditional wiring; not WIREX type) set with heavy duty protective flexible conduit to provide the cable wiring between door frame and door, for direct permanent current line (ideal for wiring connections of electrical bolts, magnetic locks, electronic devices, touch-sensitized push handles and so on)

Export Product-list
January 2024

TECNODIMENSIONE®

		SERIES	Ordering information MODELS		Q.ty N°
MEDICABLEX	**CABLEX EXTERNAL EXPOSED "TEAR-PROOF" EXECUTION**				
	**"Medium gauge" cable transfer** protective set composed of 1 zinc-coated metallic flexible conduit 30cm long, internal Ø 9mm including 2 metallic "ferrules" (final ring spouts). With 2 conduit terminals, heavy duty tear-proof anodized alluminuim type natural "silver" coloured = F.	MEDICABLEX	**031301F**		
	"Medium gauge" cable transfer protective set composed of 1 zinc-coated metallic flexible conduit 30 cm long, internal Ø 9mm ; including 2 metallic "ferrules" as above mentioned but complete with 2 anodized alluminium conduit terminals, dark brown "coloured" = N.	MEDICABLEX	**031301N**		
"Bulk" flexible conduit	**Flexible cable protective conduit "in bulk" (one skein 10 mt long) to be cutted to pieces.**				
	**"Medium gauge"** flexible protective cable conduit, zinc-coated metallic type. External diameter Ø 13mm internal diameter Ø 10mm (measured without ferrules)		**031305Z**		
	ANCILLARIES FOR FLEXIBLE PROTECTIVE CABLE CONDUIT "IN BULK"				
Medium M terminal Medium M ferrule 	**For "medium gauge" flexible protective cable (Ø 10mm int./ Ø 13mm ext.)**				
	"Medium gauge" heavy duty tear-proof conduit terminal M to fix the medium flexible conduit. Made by alluminium massive block and anodized in natural "silver" colour.		**031309F**		
	"Medium gauge" conduit terminal M as above but "dark brown" coloured.		**031309N**		
	"Medium gauge" metallic ferrule M final ring spout with bevelled edge to be screwed into each mouth of the piece of flexible conduit to ensure abrasion-free the inserted electrical cable.		**031313B**		
CABLEX-IN Cable transfer set 	**CABLEX-IN "CONCEALED" PROFESSIONAL EXECUTION**				
	STANDARD TYPE for universal flush mounting either into door-frame or door				
	"Concealed" cable transfer protective set composed of 1 stainless steel spring conduit 180mm long (extensible up to 25% more for door arrangement) internal diameter Ø 9mm, external diameter Ø 13mm. Flush mount housing made by massive block of alluminium, anodized in natural "silver" colour = F. Universal version to be installed either into door-frame or opposite way into the door.	CABLEX-IN	**031302F**		
	"Concealed" cable transfer protective set composed as above mentioned but with anodized alluminium housing "dark brown" coloured = N.	CABLEX-IN	**031302N**		
Cable transfer set CABLEX-IN sensorized 	**"SENSORIZED" TYPE** with built-in inacessible proximity reed sensor, for "secret" door monitoring (door open/closed).				
	"Concealed" cable transfer protective set composed of 1 stainless steel flexible spring conduit 180mm long (extensible up to 25% more for door arrangement) internal diameter Ø 9mm, external diameter Ø 13mm. Flush mount housing made by massive block of alluminium, anodized in natural "silver" colour = F. Special "sensorized" version with built-in "inacessible" proximity reed sensor with output SPDT changeover dry contact 0,9A/12Vdc rated, complete with 3 wires cable 2 mt long.	CABLEX-IN	**031302FZ**		
	"Concealed" cable transfer protective set composed as above mentioned but with anodized alluminium housing "dark brown" coloured. Special "sensorized" version as above mentioned.	CABLEX-IN	**031302NZ**		
DUAL-TERMINALS 3 MA slots for screw anchoring to surfaces  2.5 MA slots for cover fixing screws on base	**DUAL-TERMINALS tri-modular with Flexicon technology With screw-type terminals for conventional cables**				
	1-module DUAL-TERMINALS element with 6 input and 6 mirrored output terminals. Ideal for orderly grouping and compacting of all incoming and outgoing system wires in a single terminal box. Furthermore, specific slots let you professionally add on diodes, resistances, etc., when needed, by welding. It comes complete with protection and insulation cover to avoid direct contacts. Specific slots in the cover permit all types of fixtures. Overall cover dimensions 50 x 25 x 20.		**031501**		
	2-module DUAL-TERMINALS element same as the above but with 12 input and 12 mirrored output terminals. Overall cover dimensions 100 x 25 x 20.		**031502**		
	3-module DUAL-TERMINALS element same as the above but with 18 input and 18 mirrored output terminals. Overall cover dimensions 150 x 25 x 20.		**031503**		

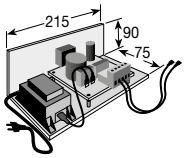
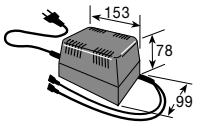
POWERBLOCK PROFESSIONAL POWER SUPPLIES

Export Product-list
January 2024

TECNODIMENSIONE®

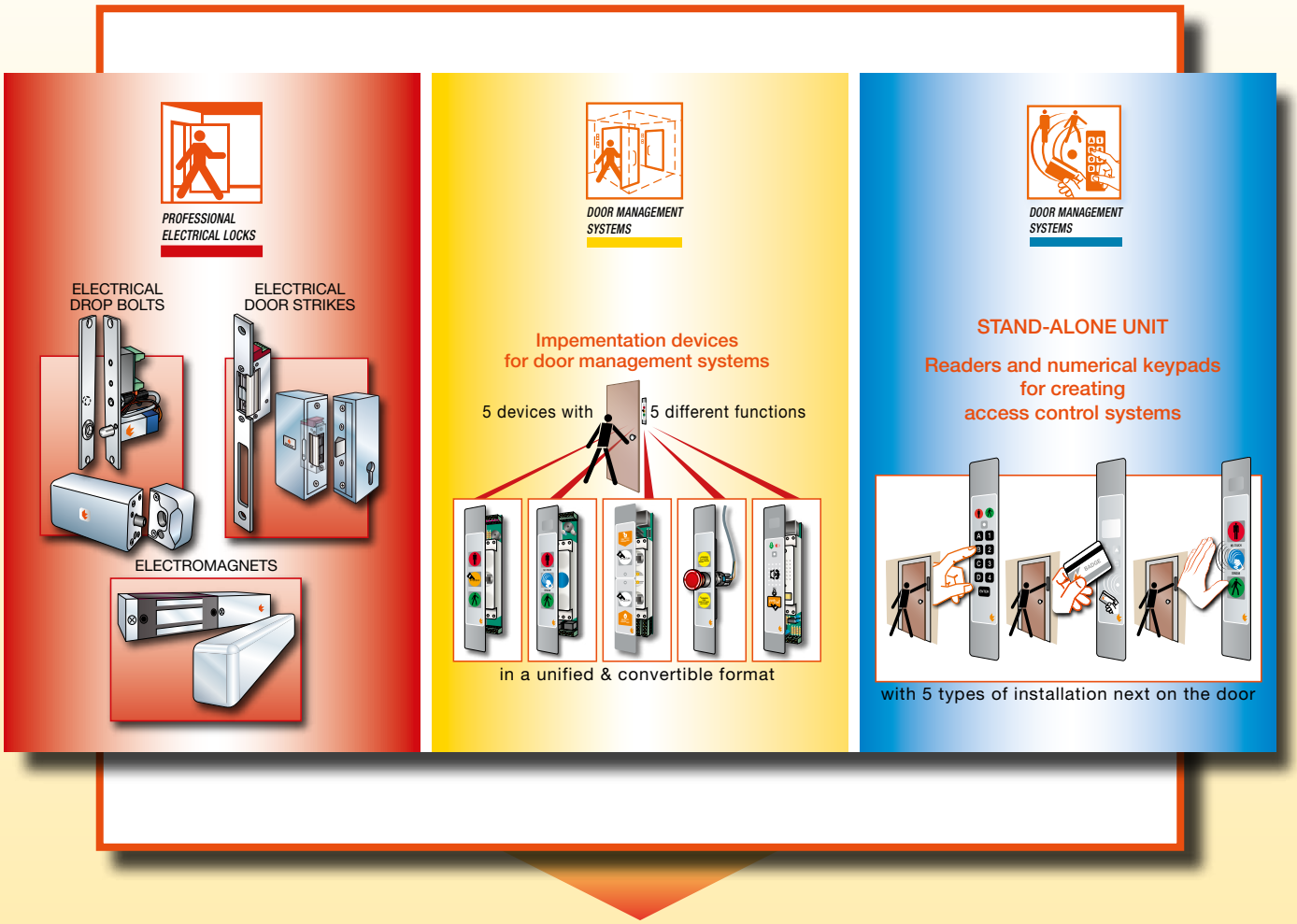
POWER UNITS WITH BUILT-IN BATTERY CHARGER

- All the types are equipped with special protections:
- electronic protection in case of short circuit of one or more elements of the batteries
- circuitry fully protected by fast fuses
- with “sealed type“ safety transformer
- inside of the sealed transformer is built-in autoresettable “thermal protection device” at 110 °C threshol switching (to provide the complete switch-off of the transformer from the mains, with automatic switch-on whennormal situation is restored)
- complete with 1,5mt long cable with europlug for 230Vac/50÷60Hz mains.

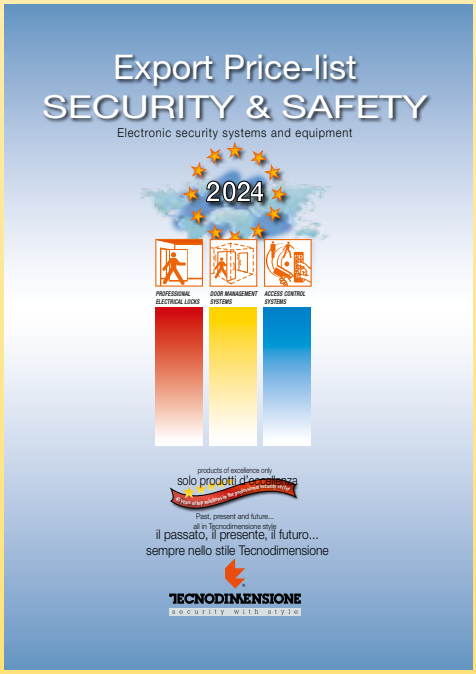
		Ordering information MODELS		Q.ty N°
MINI-POWERBLOCK “open” execution (without housing) 	**STABILIZED RECTIFIER UNITS WITH BATTERY CHARGER** “Open” execution (without housing) with transformer compacted on “L shape” dissipation plate			
	Battery charger-stabilized rectified unit 12Vdc/2,7A total charge. Complete with “sealed type” safety transformer equipped with buil-in autoresettable “thermal protection device at 110 °C threshold switching. With 1,5 mt cable equipped with europlug for 230Vac/50÷60 Hz mains. Output cable for 12Vdc equipped with “faston” terminals.	**S034770G**		
	Battery charger-stabilized rectified unit 24Vdc/1,5A total charge. Complete with “sealed type” safety transformer equipped with buil-in autoresettable “thermal protection device at 110 °C threshold switching. With 1,5 mt cable equipped with europlug for 230Vac/50÷60 Hz mains. Output cable for 24Vdc equipped with “faston” terminals.	**S034771G**		
	NOTE: The published prices do not include the batteries. Must be used specific rechargeable batteries “lead sealed type” (typical type for alarm systems).			
STABILIZED POWER UNITS (without battery charger) • Fitted with a PTC protection device against short-circuits.				
MICRO-POWERBLOCK 	Housed into a black plastic compact box for wall mounting (or desktop). Complete with 1,5 mt cable equipped with euro plug for 230Vac/50÷60 Hz. Output cable for 12Vdc equipped with “faston” terminals.			
	Stabilized power supply unit with PTC protection. For 230Vac/50÷60 Hz mains - output 12Vdc/1,2Amp.	**034779B21**		

Another important production sector of Tecnodimensione company is the SECURYTY & SAFETY Division

(Electronic security systems and equipment)



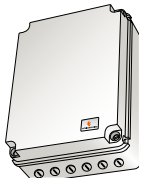
SECURITY & SAFETY PRICE-LIST is at your disposal by request

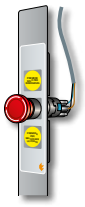


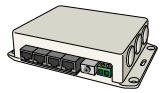
TECNODIMENSIONE®

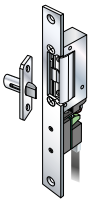
Tel. and fax: (+39) 02 9511 492 - info@tecnodimensione.com

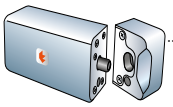
Order reminders and notes:

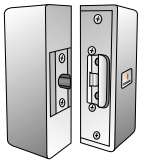


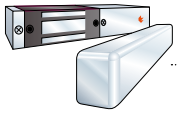


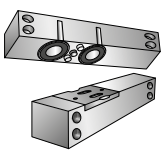












AGF advertising milano

TECNODIMENSIONE®

security with style

Dalmiglio S.r.l.
Factory & Storehouse:
Via Trieste, 99 - 20064 Gorgonzola (Mi) - Italy
Tel. and fax (+39) 02 9511 492

Tecnodimensione® Department
Info-tel: (+39) 3929 01 4487
info@tecnodimensione.com - www.tecnodimensione.com