CLEAN ROOM

Devices and systems for the management of clean room doors

processing units with multi-programmable entrances/exits on terminal box for interfacing with any management unit such as PLCs, microprocessor boards or conventional electronics, also for pre-existing systems

with technology

flexicon

MULTIFUNCTIONAL INPUTS/OUTPUTS

Export Product-list

2024

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

8LPMGB-0124

DOOR MANAGEMENT SYSTEMS

ACCESS CONTROL SYSTEMS

PROFESSIONAL ELECTRICAL LOCKS

products of excellence only

with technology

flexicon

MULTIFUNCTIONAL INPUTS/OUTPUTS

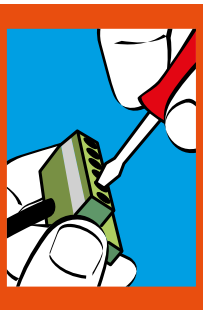
45 years of top solutions in the professional security sector

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

TECNODIMENSIONE

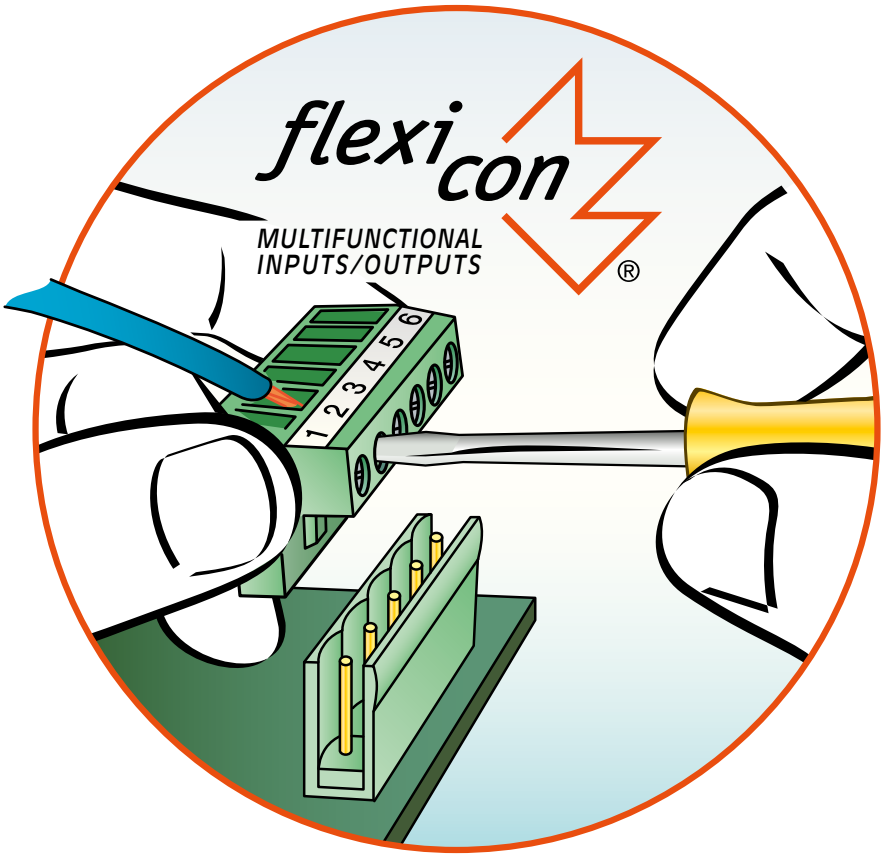
security with style

CLEAN ROOM
EXPORT PRODUCT-LIST
Flexicon 2024



“FLEXICON” WIRING

Conventional cables systems
with screw-type terminal board for medium and large section cables
for medium and long range connections.



Ideal for applications even in existing windows,
in combination with conventional electrical network ducts.
Ideal for interfacing with any system.

Flexicon!

TECNODIMENSIONE
security with style

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 rames, 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, leader 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 products with “FLEXICON” technology to interface with any management unit such as PLC, microprocessor board or traditional electronics.

PHARMABLOCK devices are also available in “Click&Go” technology systems for instantaneous connections with structured and pre-cabled WIREX cables equipped with 8-pole RJ45 quick connection plugs that satisfy basic needs in “one go” and provide customers with a whole range of professional interlocking systems for clean rooms.
(Require the specific section “Devices and Systems with Click & Go technology”.)

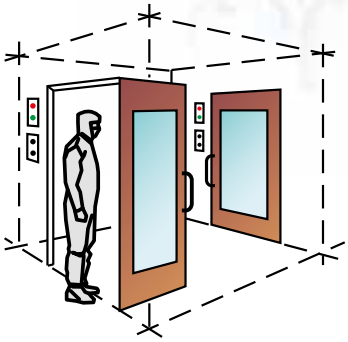
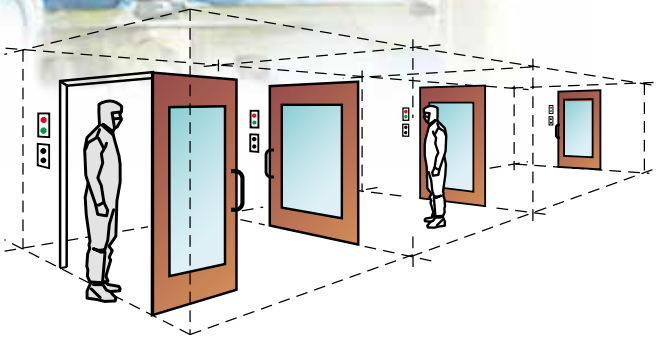


Diagram - Mutual acknowledgement interlocking system with two doors



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

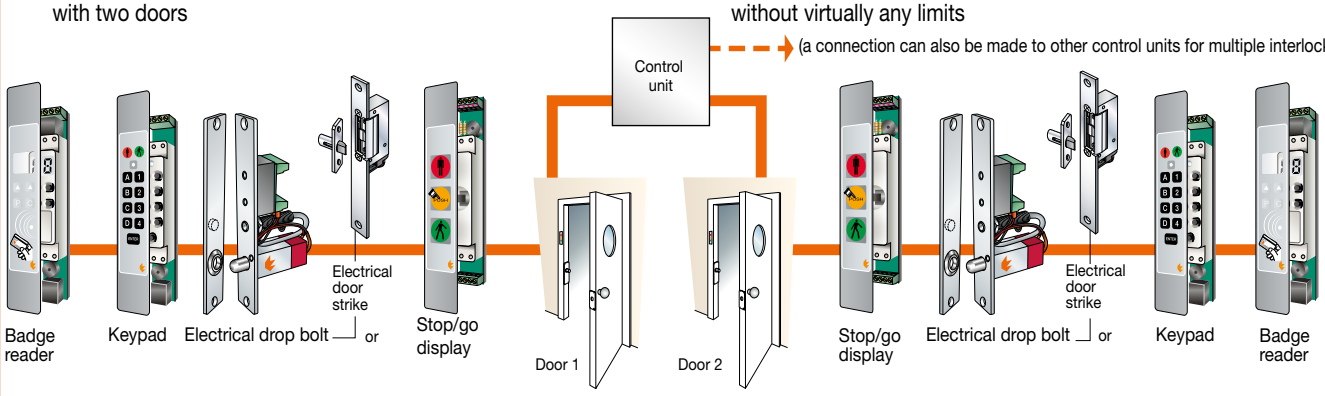


Diagram of the equipment required to configure a door interlocking system with mutual acknowledgment

All PHARMABLOCK devices are also available
in “FLEXICON” technology to interface
with any control unit such as PLC, microprocessor boards
or conventional electronic boards even for pre-existent systems

TECNODIMENSIONE
security with style

CONTENTS OF THE PRODUCT-LIST *"FLEXICON"* 2024

Ultra narrow and mini compact devices
whit *"FLEXICON"* technology

Professional Tecnodimensione® products
devices with screw-type terminal board with "conventional cables" for clean room systems with medium and long range connections

45 years of top solutions in the professional security sector

products of excellence only

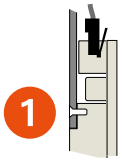
- **Why is there an interlock in clean rooms?** 4
- BASIC TERMS 10
- WARRANTY 10
- GENERAL SALES & WARRANTY TERMS (officially in Italian language) 11
- TYPES, TIPS AND HINTS 12

door management systems ..... page 13

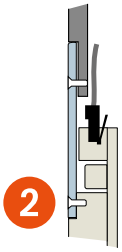
DOOR MANAGEMENT SYSTEMS

SLIM & MODULAR Series
Ultraslim and super-compact devices in a convertible single format ..... page 14

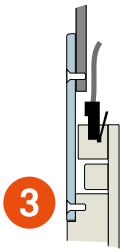
underlying 5 devices are in a single, unified, convertible format that can be used for 5 different types of ..... page 15



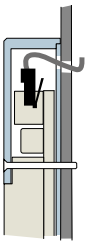
1 **fully aligned concealed**



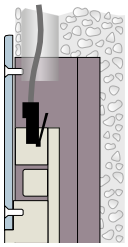
2 **fully aligned at milling**



3 **for conventional flush mounting**



4 **for surface mounting**



5 **for recessed wall-mounting**

STOP/GO DISPLAYS

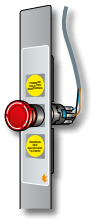
SLIM-DUALUX
stop and go display for regulating transit in controlled accesses
page 16

SLIM-DUALUX NO-TOUCH
stop and go display sensorized with an infrared sensor for hand approach command
page 18

PUSH-BUTTON PANELS

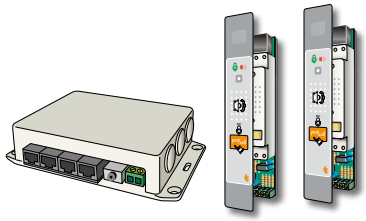
SLIM-DUALPUSH
for multiple independent controls

page 20



SLIM-HELPYPUSH
push-button panels with "mushroom" emergency button command
page 22

TALK-LISTEN INTERCOMMUNICATION SYSTEMS



VOXTRONIX e SLIM-DUALVOX
An interface that controls the alternating intercom communications system using "push&call" button

page 24

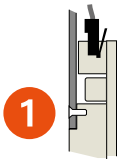
DOOR MANAGEMENT SYSTEMS

stand-alone access control systems ..... page 30

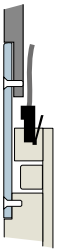
SLIM & CLEAN MODULAR ®

SLIM & MODULAR Series
Ultraslim and super-compact devices
in a convertible single format ..... page 31

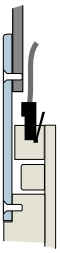
underlying 3 devices are in a single, unified, convertible format that can be used for 5 different types of ..... page 33



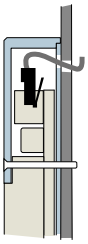
1 fully aligned concealed



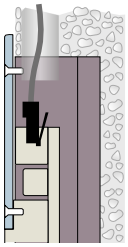
2 fully aligned at milling



3 for conventional flush mounting



4 for surface mounting



5 for recessed wall-mounting

ALPHANUMERICAL KEYPADS

SLIM-CODEGUARD
STAND-ALONE
alphanumerical keypads
for authorised accesses
by typing access codes only.
page 34

BADGE READERS

SLIM-PASSGUARD
STAND-ALONE proximity
badge readers for authorised
accesses via personal touch
badge only.
page 36

COMPACT TIMING AND MONITORING UNIT

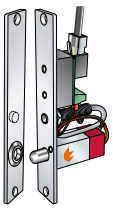
SLIM-HANDTRONIX
STAND-ALONE
micro control unit for a single
door fitted with an
electric lock
page 38

PROFESSIONAL ELECTRICAL LOCKS

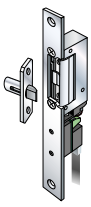
electrical locks .....page 41

SLIM & FAIL-SAFE ANTI-PANIC AUTOMATIC RELEASE ®

SLIM & FAIL SAFE Series
Electrical drop bolts and electrical door latchs ultra-slim and
ultra-copact for recess-mounting adaptable
to all types of door frames..... page 42



SLIM-MICROREDLOCK
Electrical drop bolts
with quick fitting 8 pole RJ45
plug to simplify
installation and wiring
page 43



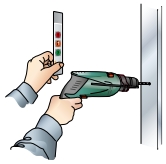
SLIM-DOORSTRIKE
Electrical door strike
with quick fitting 8 pole RJ45
plug to simplify
installation and wiring
page 45

DOOR MANAGEMENT SYSTEMS

PROFESSIONAL ELECTRICAL LOCKS

innovation ..... page 47

DRILL&GO Cut-Free



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

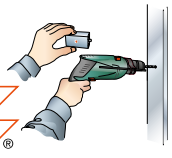
DRILL&GO Cut-Free Series

Ultraslim stop/go display for easy installation ..... page 48

FLAT-DUALUX 6
stop/go ultra-slim for self-adhesive installation “fully aligned concealed”
page 51

FLAT-DUALUX 7
stop/go ultra-slim with support flange “flat flush” for installation on uneven rough surfaces
page 52

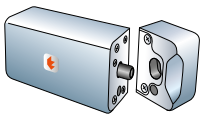
DRILL&GO Cut-Free



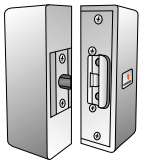
No cutting
the frame...
no work on internal
frame grain!

DRILL&GO Cut-Free Series

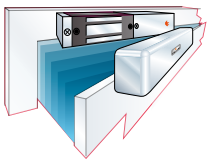
ELECTRICAL DROP BOLTS, ELECTRICAL DOOR STRIKES AND ELECTROMAGNETS for easy installation surface mount with full coverage “CLEAN COVER” made by solid block of anodised aluminium ..... page 53



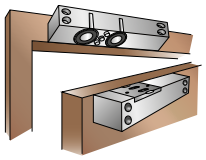
MICROREDLOCK
Mini-electrical drop bolt ideal for applications on any type of door frame.
page 54



SLIM-DOORSTRIKE
Ultra compact electrical door strike ideal for applications on any type of door frame.
page 56

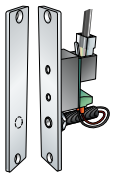


SLIM MINISENTRYLOCK
Front holding mini-electromagnet, ideal for applications on any type of door frame.
page 60

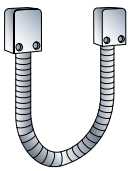


SLIM SHEARLOCK
Recessed shear-locking mini-electromagnet, ideal for applications on any type of door frame.
page 62

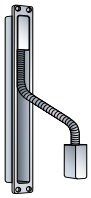
professional ancillaries for installation ..... page 63



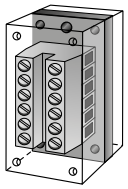
SLIM-PROXI
Recess-mounting proximity sensor to control the approaching of the door
page 64



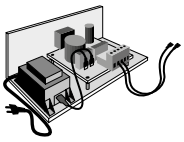
MEDICABLEX
“Medium gauge” cable transfer protective
page 65



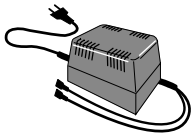
CABLEX-IN
“Concealed” cable transfer protective set composed of 1 stainless steel flexible spring conduit
page 65



DUAL-TERMINALS
1-module element with screw-type terminals for conventional cables
page 65



MINI-POWERBLOCK
Power supply battery charger "open" on heatsink support
page 66



MICRO-POWERBLOCK
Power supply battery charger housed into a thermoplastic
page 66

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.

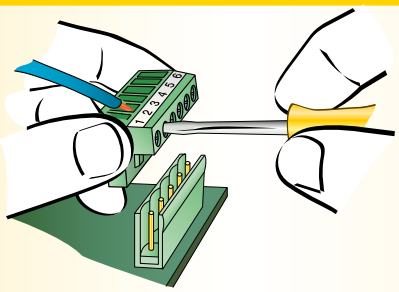
   For any reasons it is not authorized, unfasten the assembly screws of the locks (electrical bolts, door strikes etc.), because all the factory setting should be compromised and operating malfunctions occur.
   Take case the above informations too and proceed accordingly to avoid any warranty expiration.

DOOR MANAGEMENT SYSTEMS

with tecnology

flexicon

MULTIFUNCTIONAL INPUTS/OUTPUTS



"FLEXICON" WIRING

Conventional cables systems with screw-type terminal board for medium and large section cables **for medium and long range connections.**

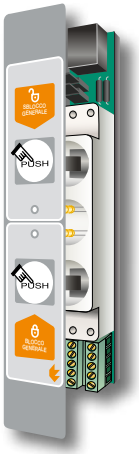
5 devices for creating door management systems

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

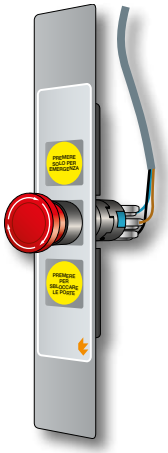
Stop/go display
SLIM-DUALUX

Stop/go sensorized display
SLIM-DUALUX
No-touch

Push-button panel
SLIM-DUALPUSH

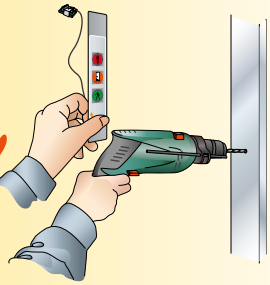


Emergency "mushroom" button
SLIM-HELPYPUSH



Intercom
SLIM-DUALVOX

NEW



FLAT-DUALUX

ultraslim stop/go display for easy installation

BY AVAILABLE TYPES see page 47

SLIM& MODULAR

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

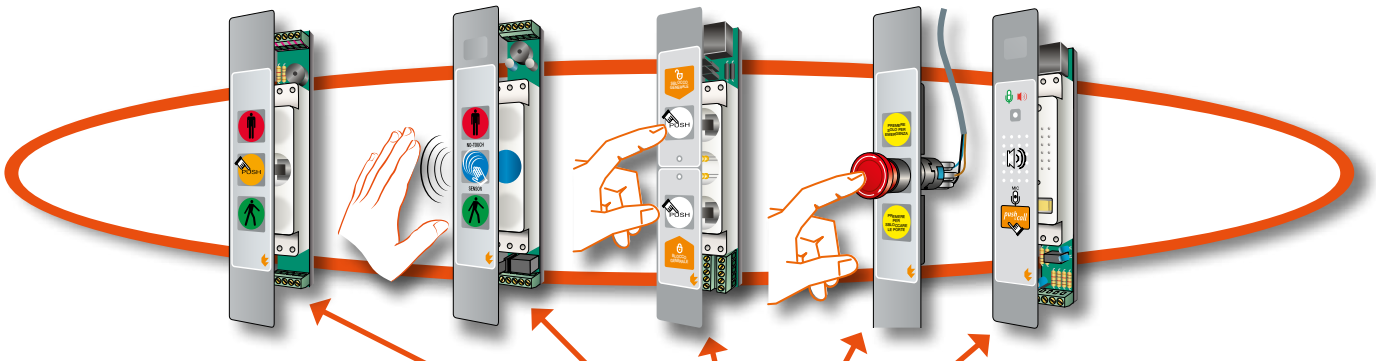
Stop/go display
SLIM-DUALUX

Stop/go sensorized display
SLIM-DUALUX No-touch

Push-button unit
SLIM-DUALPUSH

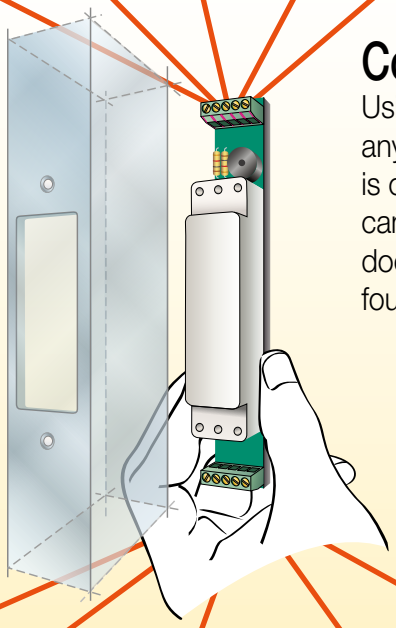
Push-button with "mushroom"
SLIM-HELPYPUSH

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.

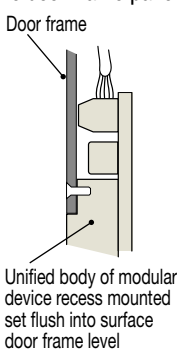


Convertible because...

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.

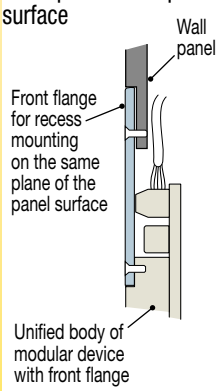
Assembly type 1

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



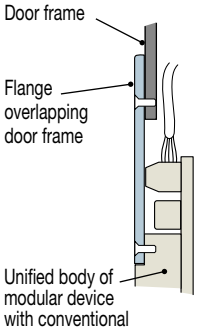
Assembly type 2

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



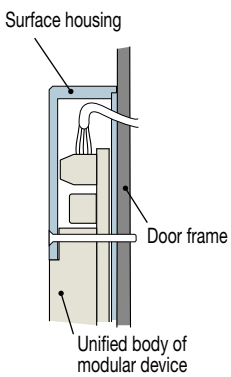
Assembly type 3

for conventional flush mounting
with front flange overlapping door frame



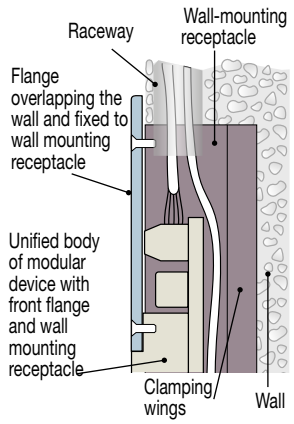
Assembly type 4

for surface mounting
with using housing

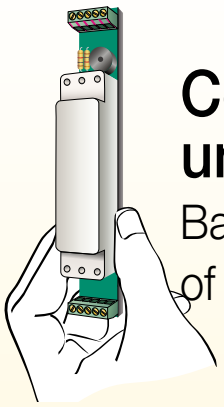


Assembly type 5

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



SLIM& MODULAR



Convertible unified module.

Basic reference for construction of each SLIM & MODULAR device.

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

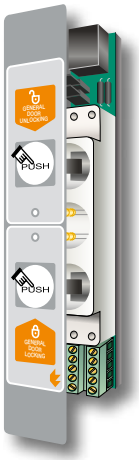
Stop/go display
SLIM-DUALUX

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

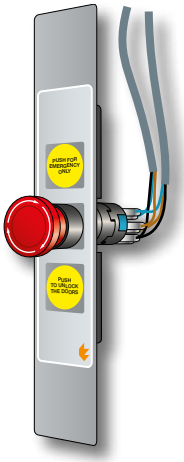
This is the stop and go display (instead of the manual pressure button) with an infrared sensor that "sees" a presence up to 10 cm away.
The "contactless" door-opening command and/or bell works automatically by bringing the hand close without touching anything.

No-touch 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

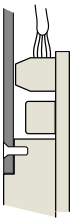


It is the red "mushroom" button to be pressed manually to unlock partly and/or fully the doors, to stop processing cycles, to set off fire, emergency alarms etc.

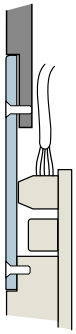
Intercom
SLIM-DUALVOX

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.

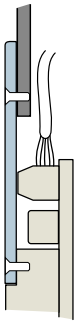
All convertible into *5* different types of installation next to the door.



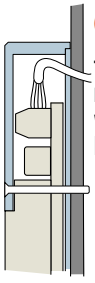
Assembly type **1**
fully aligned concealed
for recess-mounting without flange on the same plane of the door frame panel



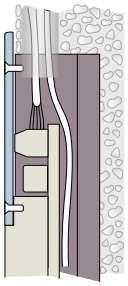
Assembly type **2**
fully aligned at milling
or recess-mounting with front flange on the same plane of the panel surface



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

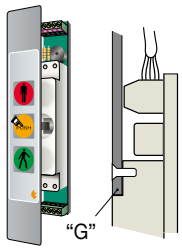
- With 2 screw-on terminal boxes for conventional wiring
- Green/red lights + buzzer + multifunctional push button with “dry” changeover contacts (no voltage).
- 1 self-adhesive cover in polycarbonate, 180 x 30 mm, R2,5, thickness 0.3 mm with international symbols, available in 7 colours.

Export Product-list
January 2024

TECNODIMENSIONE®

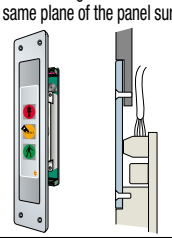
Ordering information		Q.ty

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



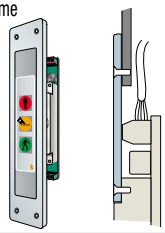
Models for 12Vdc/70mA power supply	MODELS		N°
SLIM-DUALUX stop and go display type 1 with fully aligned concealed for recess-mounting on the same plane of the door frame panel without flange. Ideal to achieve a "smooth" surface (without roughness) that is easy to clean. Supplied with diffuser screen and gap G for sections with a thickness of 1.6mm. 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.**	034981CM2U		
Same with diffuser screen and gap G for sections with a thickness of 3mm.	034981CM2U3		
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 1.6mm	034981CM4U		
Same with diffuser screen and gap G for sections with a thickness of 3mm.	034981CM4U3		

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



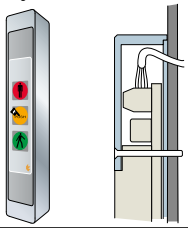
Models for 12Vdc/70mA power supply	MODELS		N°
SLIM-DUALUX stop and go display type 2 for aligned recessed flush fitting in bottom of panel using front flange (e.g. To mount on wall panel next to the door frame on the post where no chasing can be carried out). Supplied with front flange in anodized aluminium with “silver” finish - 250x50mm, thickness 2.5mm for recessmounting 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.**	034982CM2U		
Models for 24Vdc/40mA power supply (on request)			
SLIM-DUALUX stop and go display same but with 24 Vdc/40mA power supply.	034982CM4U		

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



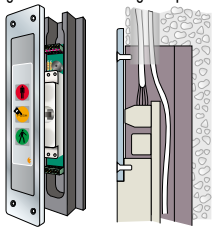
Models for 12Vdc/70mA power supply	MODELS		N°
SLIM-DUALUX stop and go display type 3 for traditional recessed fitting using flange. Supplied with front flange in anodized aluminium with "silver" finish - 250x50mm, thickness 4mm for flush mounting. Cover pre-assembled and fixed into the flange niche. **Mounting can be carried out “on site”, directly onto the installed door frame.**	034983CM2U		
Models for 24Vdc/40mA power supply (on request)			
SLIM-DUALUX stop and go display same but with 24 Vdc/40mA power supply	034983CM4U		

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 for mounting placed on surface using housing. With extra-strong protective housing, made in anodized silver finish aluminium (35x25x215mm). 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.**	034984CM2U		
Models for 24Vdc/40mA power supply (on request)			
SLIM-DUALUX stop and go display same but with 24 Vdc/40mA power supply.	034984CM4U		

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



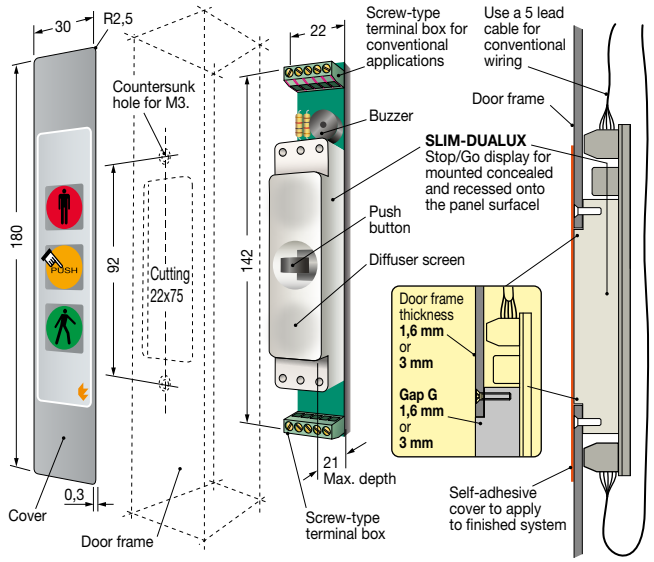
Models for 12Vdc/70mA power supply	MODELS		N°
SLIM-DUALUX stop and go display type 5 for recessed assembly using flange and wall box. Supplied with front flange in anodized aluminium with “silver” finish - 250x50mm, thickness 4mm, to be fixed to the housing by placing on wall surface Self-adhesive cover in polycarbonate pre-assembled and fixed into the flange niche. Also fitted with wall box with “wings” for rapid anchoring (65x30x230mm), 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.**	034985CM2U		
Models for 24Vdc/40mA power supply (on request)			
SLIM-DUALUX stop and go display same but with 24 Vdc/40mA power supply.	034985CM4U		

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 17.

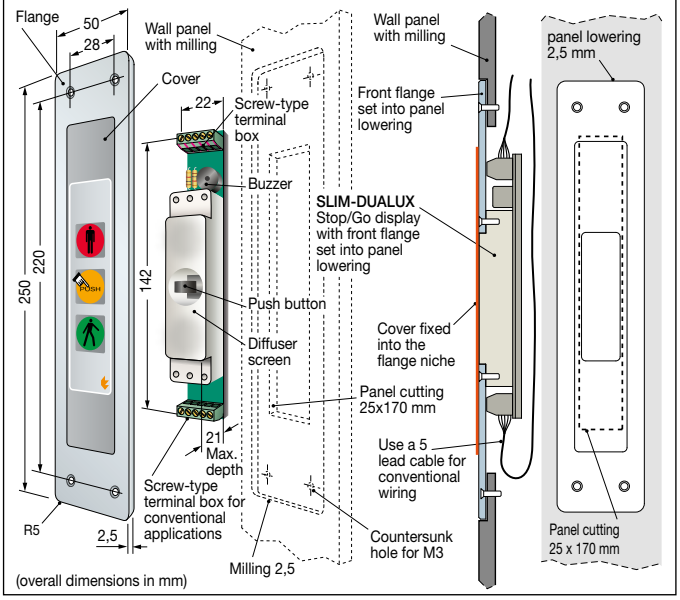
SLIM-DUALUX STOP & GO DISPLAYS - sizes, application examples and connection diagram

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



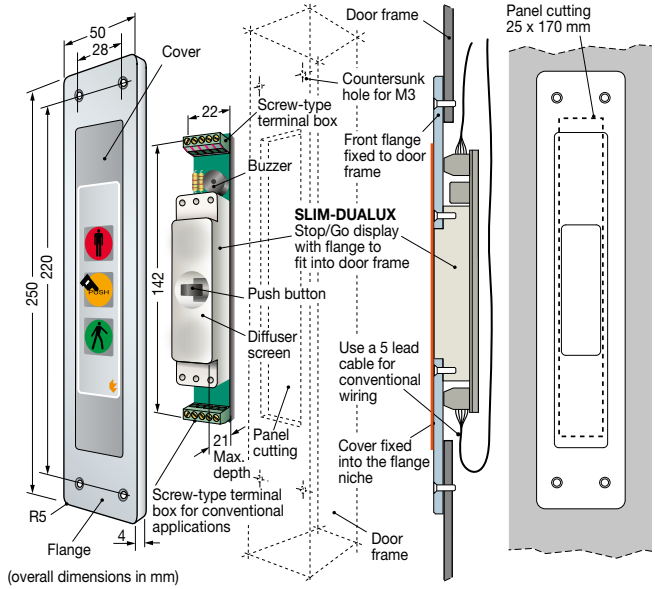
(overall dimensions in mm)

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



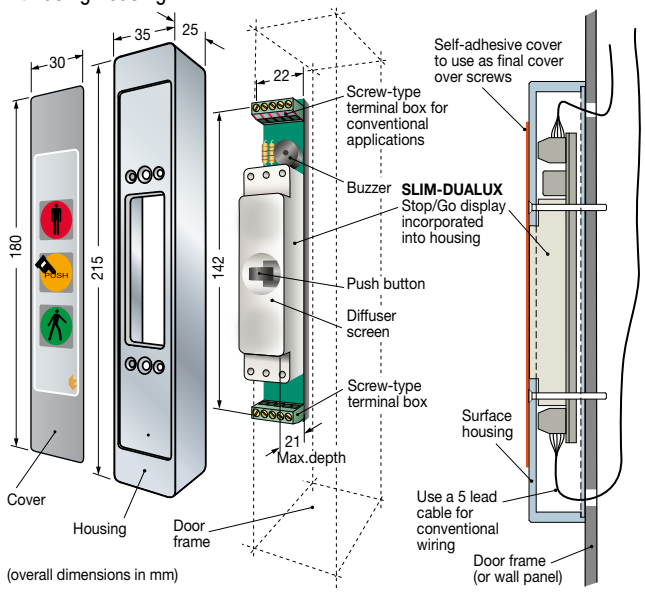
(overall dimensions in mm)

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



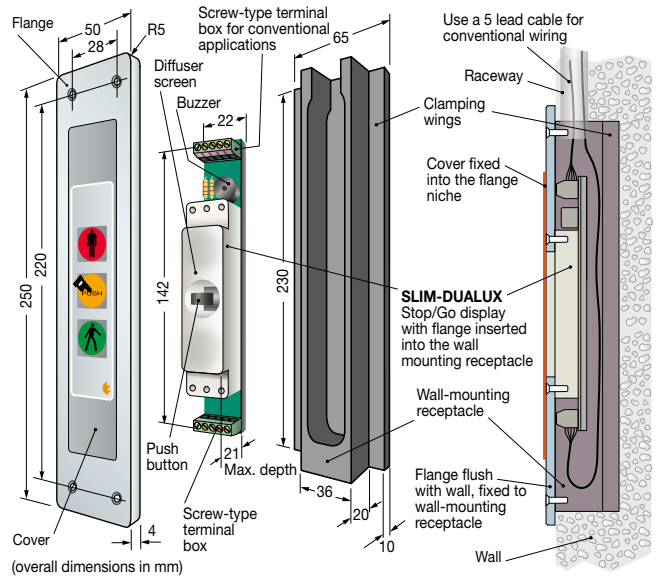
(overall dimensions in mm)

Assembly type 4 for surface mounting with using housing



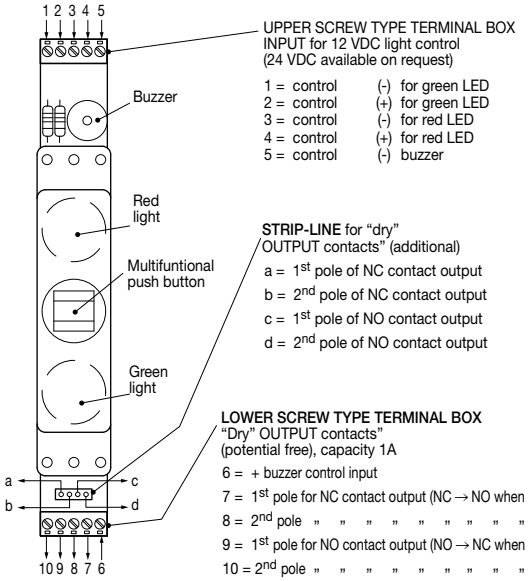
(overall dimensions in mm)

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



(overall dimensions in mm)

CONNECTION DIAGRAM valid for all 5 types



UPPER SCREW TYPE TERMINAL BOX
INPUT for 12 VDC light control
(24 VDC available on request)

1 = control	(-)	for green LED
2 = control	(+)	for green LED
3 = control	(-)	for red LED
4 = control	(+)	for red LED
5 = control	(-)	buzzer

STRIP-LINE for "dry"
OUTPUT contacts" (additional)

a = 1st pole of NC contact output
b = 2nd pole of NC contact output
c = 1st pole of NO contact output
d = 2nd pole of NO contact output

LOWER SCREW TYPE TERMINAL BOX
"Dry" OUTPUT contacts"
(potential free), capacity 1A

6 = + buzzer control input
7 = 1st pole for NC contact output (NC → NO when button is pressed).
8 = 2nd pole " " " " " " " " " " " " "
9 = 1st pole for NO contact output (NO → NC when button is pressed).
10 = 2nd pole " " " " " " " " " " " " "

"No-touch" version with contactless command

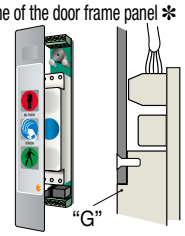
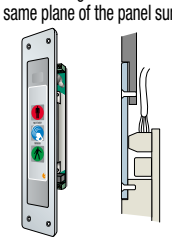
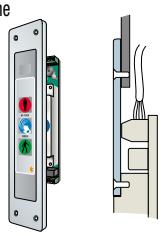
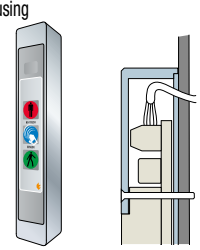
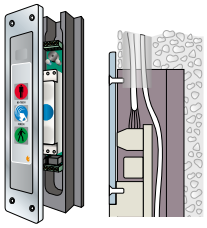
SLIM-DUALUX No-touch

PROFESSIONAL SENSORIZED STOP/GO DISPLAYS

- With 2 screw-type terminal box for conventional cables
- 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.
- On board 1A/12Vdc relay with a dry exit contact (no voltage), programmable NO or NC, using the jumper.
  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, 180x30mm, R2,5, thickness 0.3mm with 7-colour international symbols.

Export Product-list
January 2024

TECNODIMENSIONE®

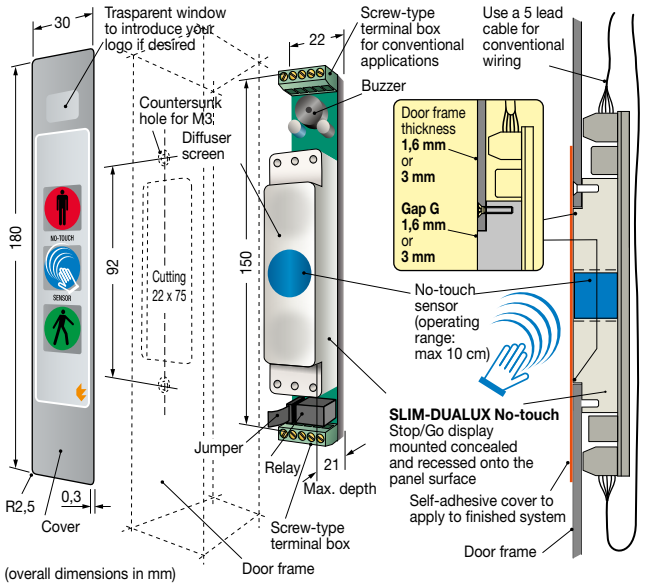
Models for 12Vdc/70mA power supply	Ordering information MODELS		Q.ty N°
Assembly type 1 **fully aligned concealed** for recess-mounting without flange on the same plane of the door frame panel ✻ 	SLIM-DUALUX No-touch stop and go display type 1 with fully aligned concealed for recess-mounting on the same 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 1.6mm. Complete with self-adhesive cover designed to be applied after the final installation of the system. **✻ In this case, it is advisable to prepare sunk milling during the panel machining phase.**	**034981HM2U**	
	Same with diffuser screen and gap G for sections with a thickness of 3mm.	**034981HM2U3**	
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 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 - 250x50mm, thickness 2.5mm 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.**	**034982HM2U**	
Assembly type 3 **for conventional flush mounting** with front flange overlapping door frame 	SLIM-DUALUX No-touch stop and go display type 3 for traditional recessed fitting using flange. Supplied with front flange in anodized aluminium with "silver" finish - 250x50mm, thickness 4mm 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.**	**034983HM2U**	
Assembly type 4 **for surface mounting** with using housing 	SLIM-DUALUX No-touch stop and go display type 4 for mounting placed on surface using housing. With extra-strong protective housing, made in anodized silver finish aluminium (35x25x215mm). 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.**	**034984HM2U**	
Assembly type 5 **for recessed wall-mounting** with flange and wall-mounting receptacle 	SLIM-DUALUX No-touch stop and go display type 5 for recessed assembly using flange and wall box. Supplied with front flange in anodized aluminium with "silver" finish - 250x50mm, thickness 4mm, 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 (65x30x230mm), 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.**	**034983HM2U**	

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

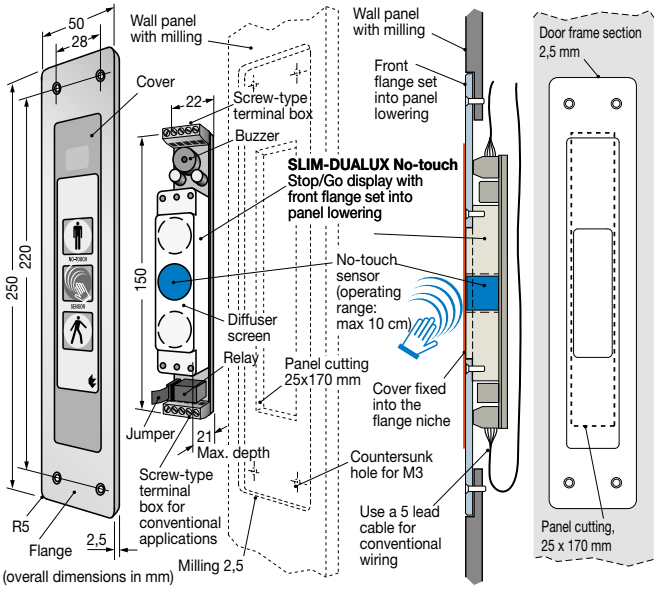
For sizes, measurements and details of chasing, application examples and connection diagrams, see page 19.

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

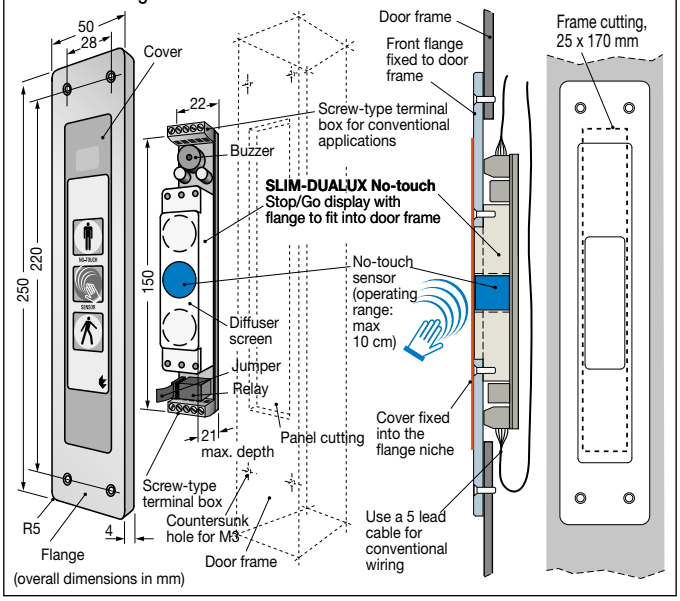
Assembly type 1 total alignment,
lock recessed into surface without flange



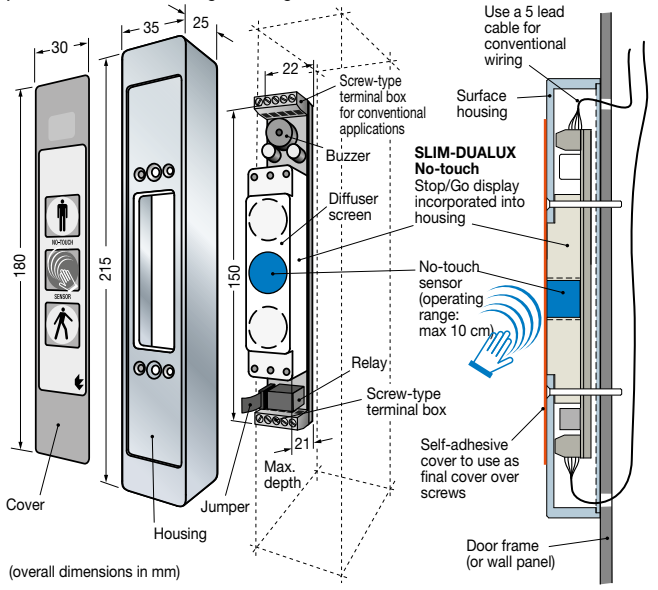
Assembly type 2 alignment at bottom
with front flange "flush with surface" at bottom



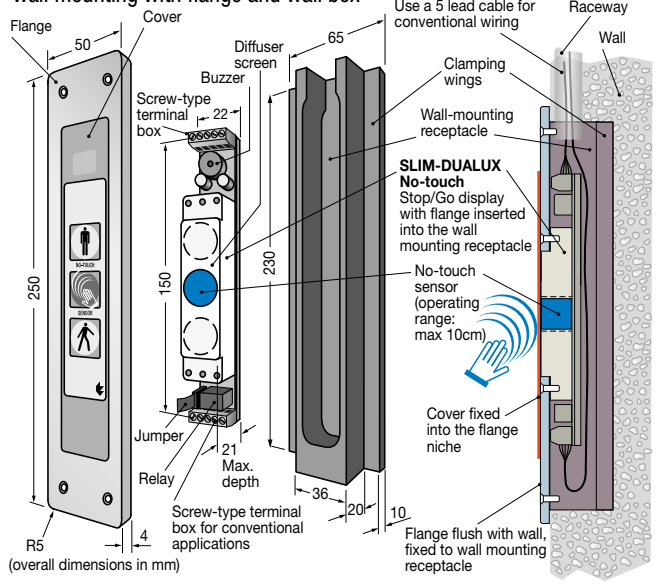
Assembly type 3 traditional fitting
with front flange over the lock



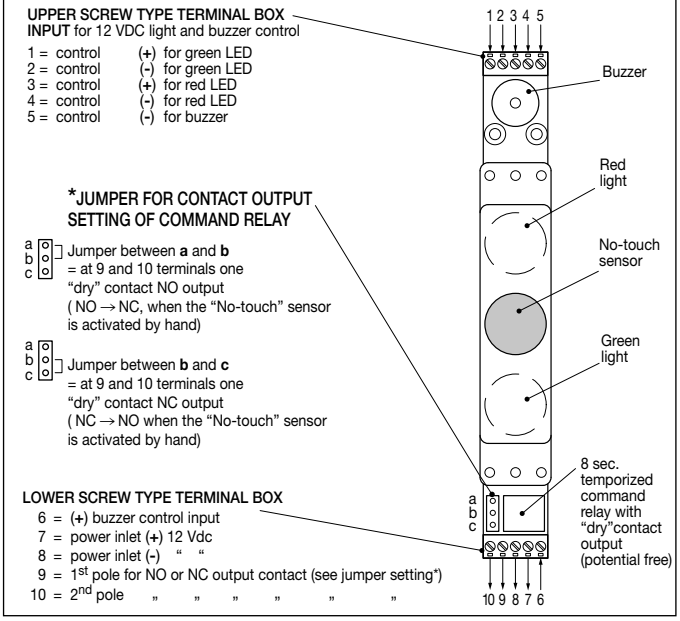
Assembly type 4 for mounting
placed on surface using housing



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



CONNECTION DIAGRAM valid for all 5 types



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

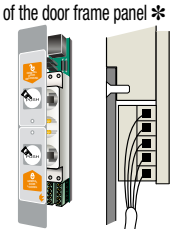
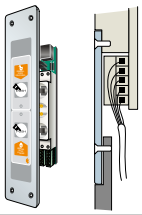
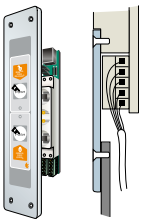
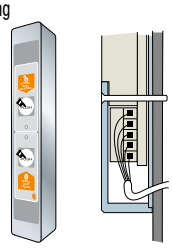
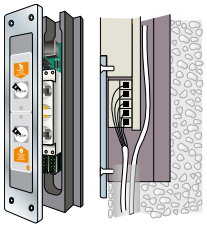
Fitted with 2 single PUSH buttons, each of which may have the following characteristics:
- C = Pushbutton with temporary contact ("ON" when the button is held down and return to "OFF" when it is released).
- I = Switch with stable ON/OFF contact ("ON" when the switch is initially pressed, "OFF" when 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".
- With 2 screw-type terminal boxes, each with 5 terminals, for conventional cabling.
- 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

TECNODIMENSIONE®

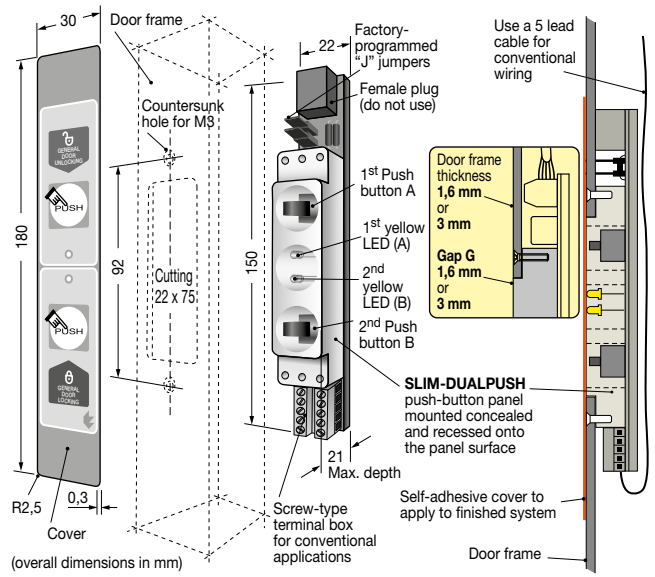
Models for 12Vdc/70mA power supply (on request on order models 24Vdc)	Ordering information MODELS		Q.ty N°
Assembly type 1 **fully aligned concealed** for recess-mounting without flange on the same plane of the door frame panel ✻  SLIM-DUALPUSH push button panels type 1 with individual dual controls 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 1.6mm. 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.**	**034971CCM2U** (with 2 C buttons) **034971CIM2U** (with 1 C button + 1 I switch) **034971IIM2U** (with 2 I switches)		
Same with front panel and gap G for sections with a thickness of 3mm. Add suffix 3 to the code of the selected model.	**034971CCM2U3** (with 2 C buttons) **034971CIM2U3** (with 1 C button + 1 I switch) **034971IIM2U3** (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 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 - 250x50mm, thickness 2.5mm 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.**	**034972CCM2U** (with 2 C buttons) **034972CIM2U** (with 1 C button + 1 I switch) **034972IIM2U** (with 2 I switches)		
Assembly type 3 **for conventional flush mounting** with front flange overlapping door frame  SLIM-DUALPUSH push button panels type 3 with individual dual controls. For traditional recessed fitting using flange. Supplied with front flange in anodized aluminium with "silver" finish - 250x50mm, thickness 4mm 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.**	**034973CCM2U** (with 2 C buttons) **034973CIM2U** (with 1 C button + 1 I switch) **034973IIM2U** (with 2 I switches)		
Assembly type 4 **for surface mounting** with using housing  SLIM-DUALPUSH push button panels type 4 for mounting placed on surface using housing. With extra-strong protective housing, made in anodized silver finish aluminium (35x25x215mm). 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.**	**034974CCM2U** (with 2 C buttons) **034974CIM2U** ((with 1 C button + 1 I switch) **034974IIM2U** (with 2 I switches)		
Assembly type 5 **for recessed wall-mounting** with flange and wall-mounting receptacle  SLIM-DUALPUSH push button panels type 5 with individual dual controls for recessed assembly using flange and wall box. Supplied with front flange in anodized aluminium with "silver" finish - 250x50mm, thickness 4mm, 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 (65x30x230mm), 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.**	**034975CCM2U** (with 2 C buttons) **034975CIM2U** (with 1 C button + 1 I switch) **034975IIM2U** (with 2 I switches)		

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

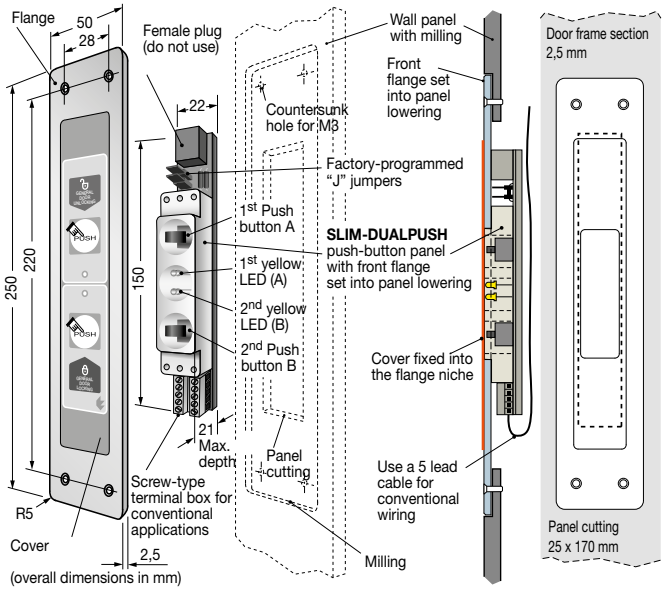
For sizes, measurements and details of chasing, application examples and connection diagrams, see page 21.

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

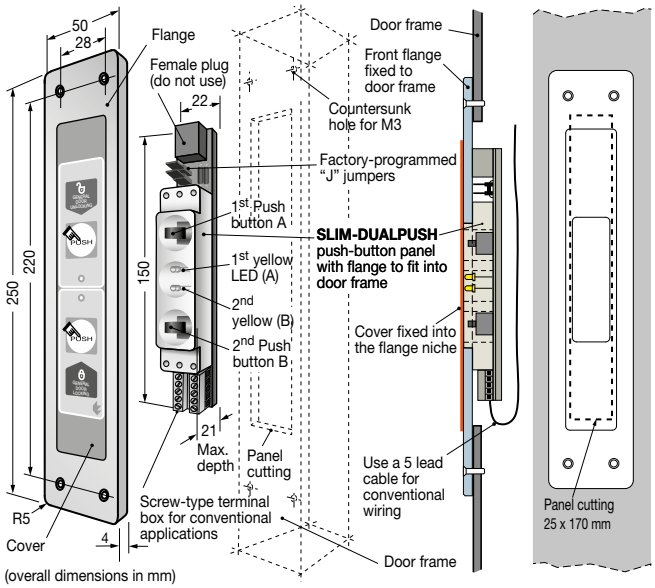
Assembly type 1 total alignment,
lock recessed into surface without flange



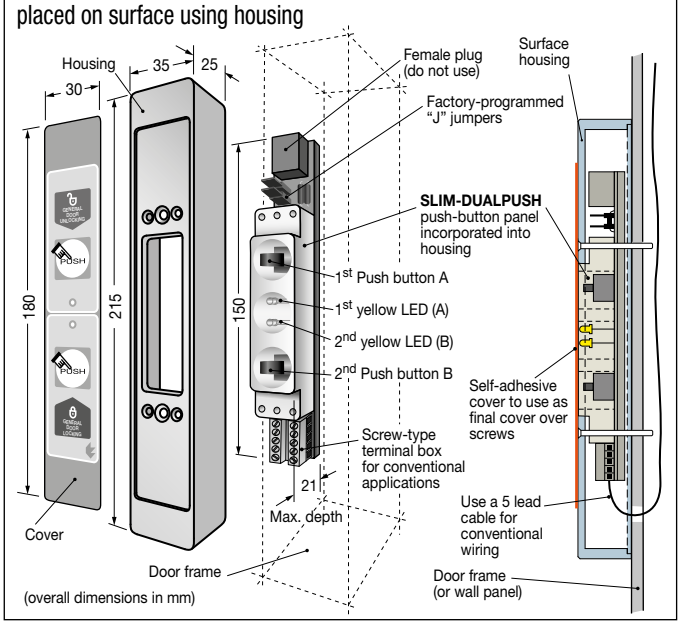
Assembly type 2 alignment at bottom
with front flange "flush with surface" at bottom



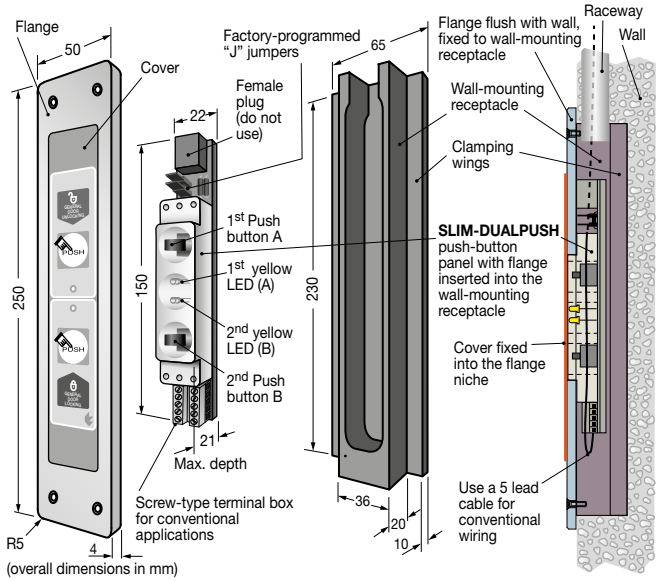
Assembly type 3 traditional fitting
with front flange over the lock



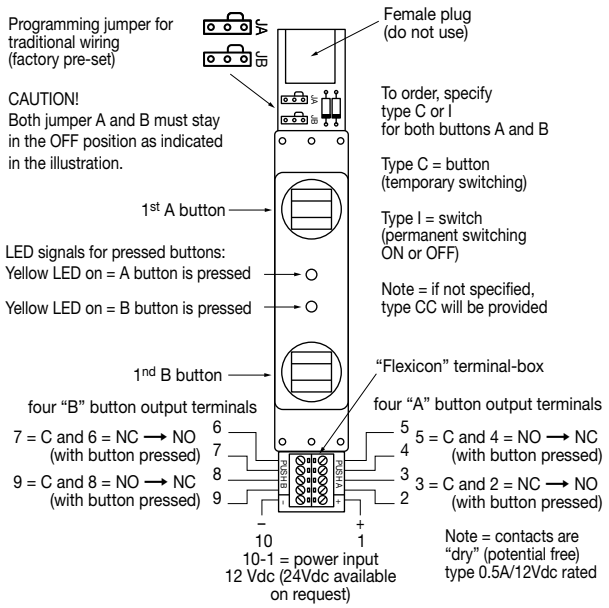
Assembly type 4 for mounting
placed on surface using housing

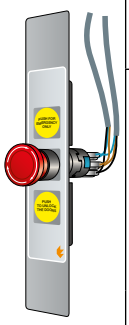


Assembly type 5 for recessed
wall mounting with flange and wall box



CONNECTION DIAGRAM valid for all 5 types



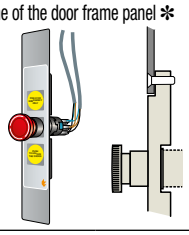
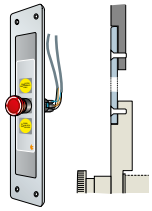
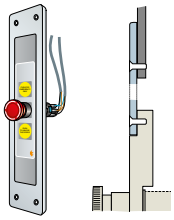
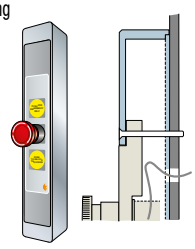
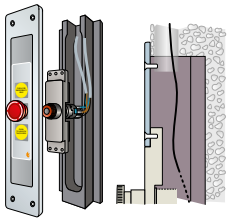


SLIM-HELPYPUSH
PROFESSIONAL PUSH-BUTTON PANELS
with emergency mushroom head button

- With flying cables 2 metres long, precabled in the factory, each with 3 conventional cabling terminals for any type of system.
- 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 SPDT independent exchange output contacts - "dry" type with 1A/12-24 Vdc capacity; the 1st contact (flying cable A) is the emergency door release control. The 2nd contact (flying cable B) can be used for additional local and/or remote optical/acoustic signals (alarms, special controls, etc.).
- 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

TECNODIMENSIONE®

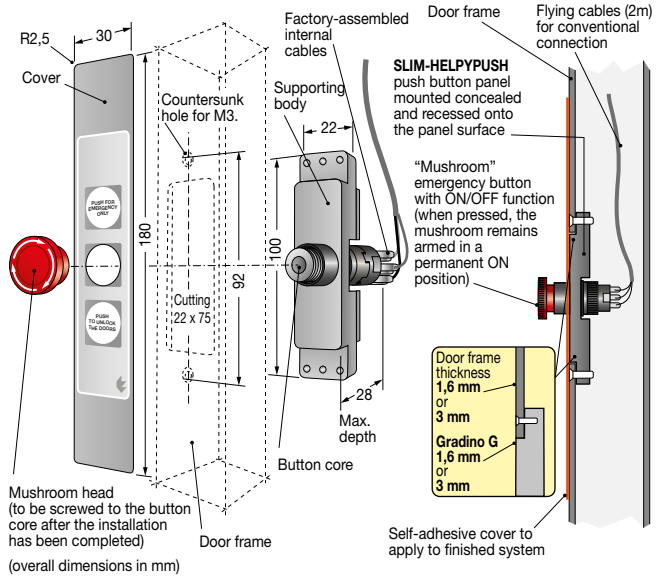
Ordering information		Q.ty
Models for 12 Vdc/70mA power supply and/or 24Vdc	MODELS	N°
Assembly type 1 **fully aligned concealed** for recess-mounting without flange on the same plane of the door frame panel ✻  SLIM-HELPYPUSH push button panel type 1 with "mushroom" pressure button with fully aligned 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 1.6mm. 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.**	**034971E0M2U**		
Same with front panel and gap G for sections with a thickness of 3mm.	**034971E0M2U3**		
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 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, 250x50mm, thickness 2.5mm 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.**	**034972E0M2U**		
Assembly type 3 **for conventional flush mounting** with front flange overlapping door frame  SLIM-HELPYPUSH push-button panel type 3 with "mushroom" pressure button for traditional recessed fitting using flange. Supplied with front flange in anodized aluminium with "silver" finish - 250x50mm, thickness 4mm 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.**	**034973E0M2U**		
Assembly type 4 **for surface mounting** with using housing  SLIM-HELPYPUSH push-button panel type 4 for mounting placed on surface using housing. With extra-strong protective housing, made in anodized silver finish aluminium (35x25x215mm). 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.**	**034974E0M2U**		
Assembly type 5 **for recessed wall-mounting** with flange and wall-mounting receptacle  SLIM-HELPYPUSH push-button panel type 5 with "mushroom" pressure button for recessed assembly using flange and wall box. Supplied with front flange in anodized aluminium with "silver" finish - 250x50mm, thickness 4mm, 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 (65x30x230mm), 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.**	**034975E0M2U**		

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.

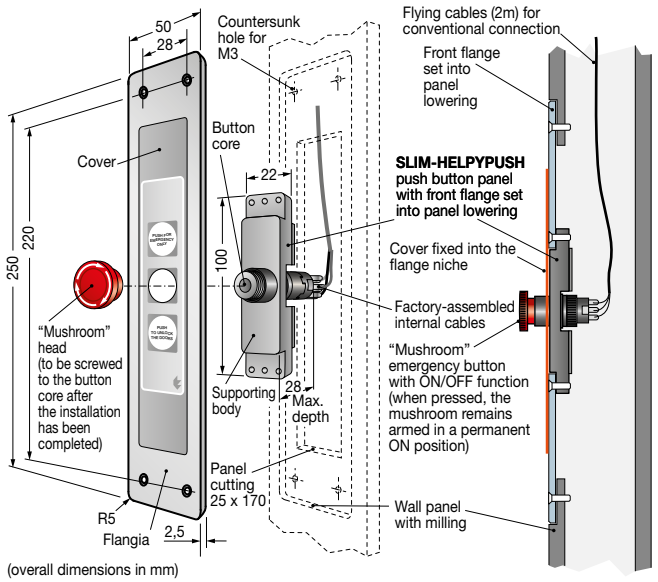
SLIM-HELPYPUSH PUSH-BUTTON PANELS - sizes, application examples and connection diagram

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



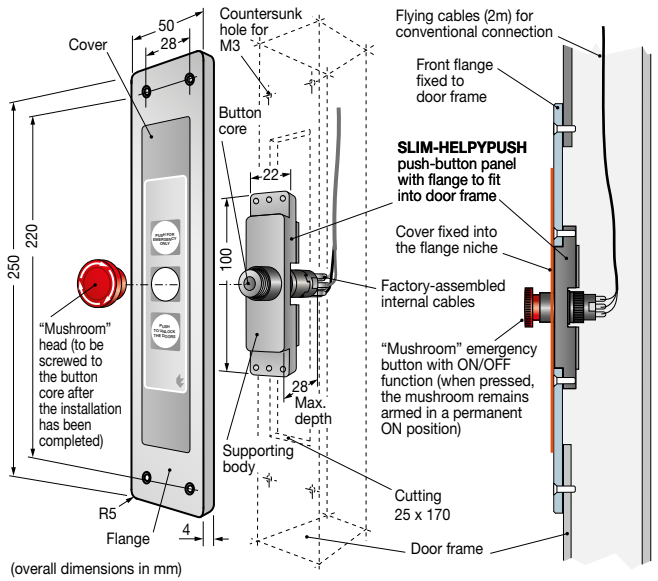
(overall dimensions in mm)

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



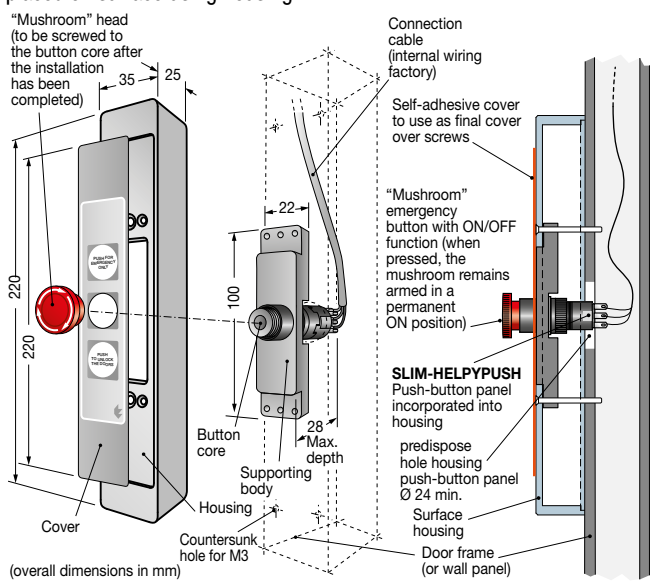
(overall dimensions in mm)

Assembly type 3 traditional fitting
with front flange over the lock



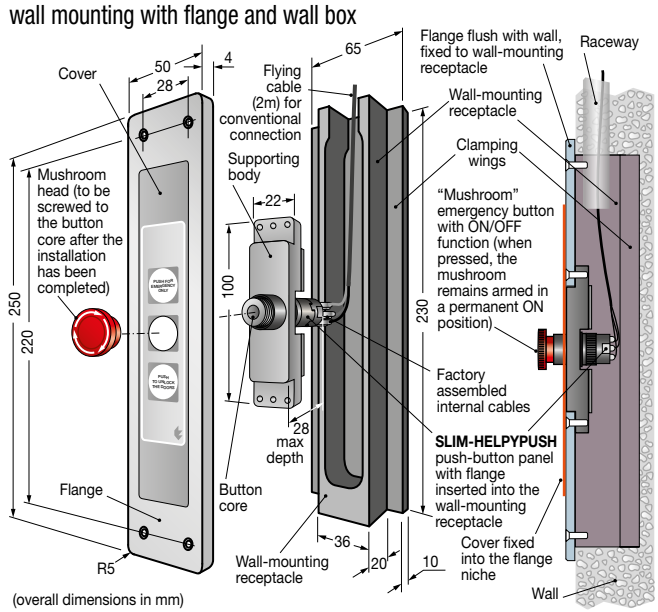
(overall dimensions in mm)

Assembly type 4 for mounting
placed on surface using housing



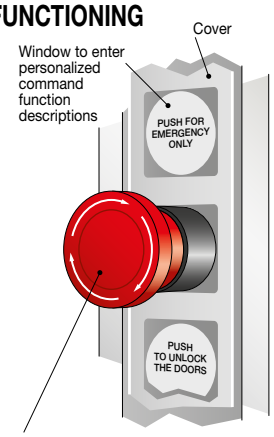
(overall dimensions in mm)

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



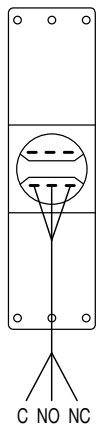
(overall dimensions in mm)

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.

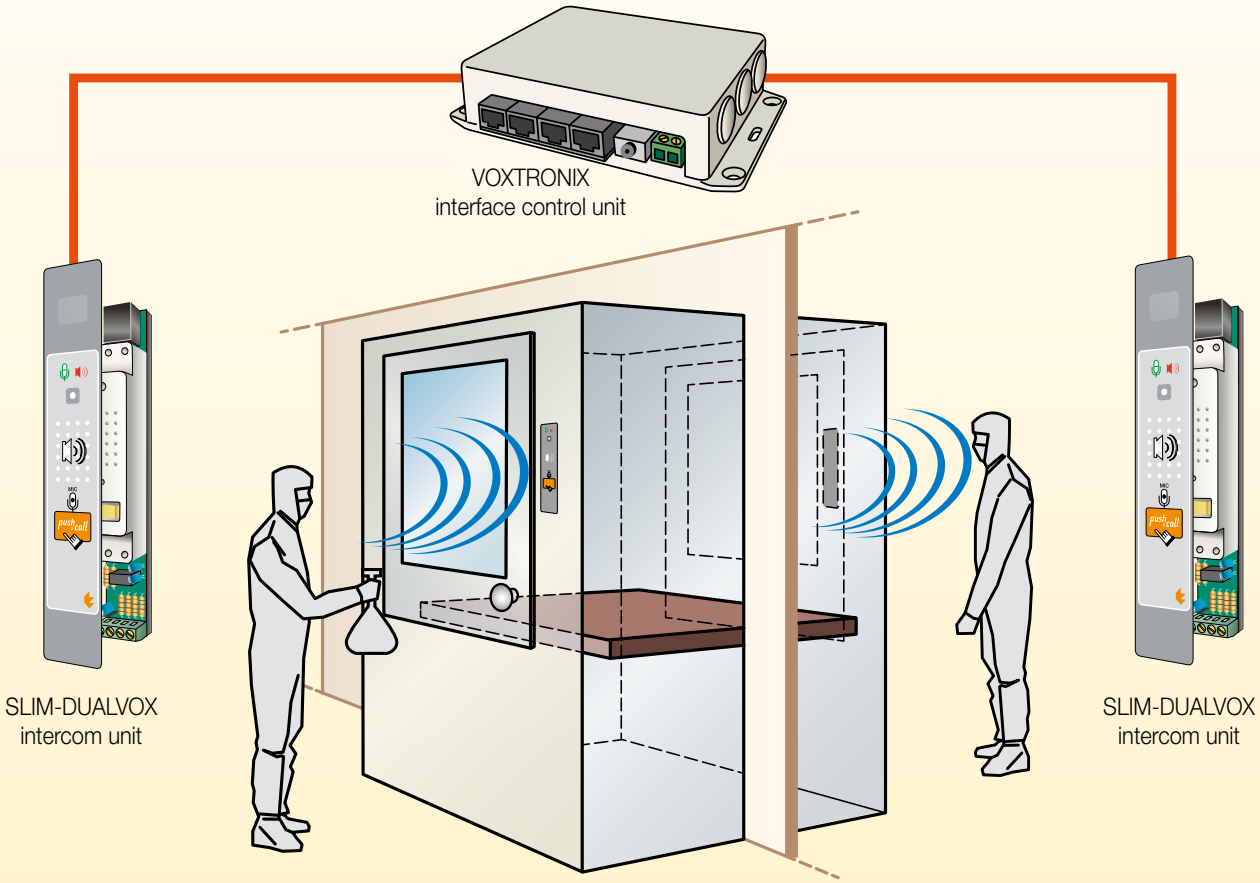
CONNECTION DIAGRAM valid for all 5 types



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

VOXTRONIX

Two-way intercom system for passbox and clean rooms

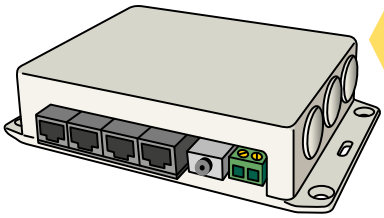


Talk-listen intercommunication system

flexicon
MULTIFUNCTIONAL
INPUTS/OUTPUTS

with alternated listen and answer mode using the “push&call” mode.

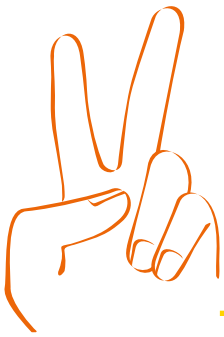
TECNODIMENSIONE
security with style



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 *2* different needs



1st It can be instantly programmed thanks to the Jumpers = **MULTISELECT**

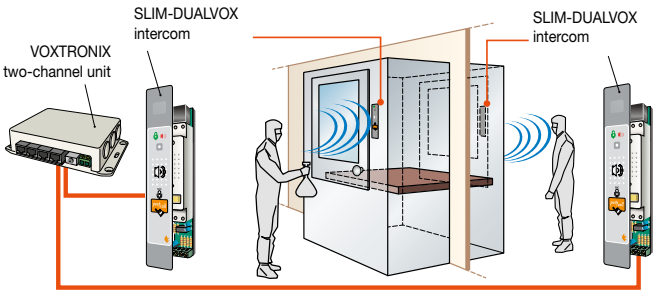
2nd It has a modular configuration that can be expanded in “cascade” for intercom points or multiple of 2...4...8...12 intercom points without limitations = **EXPANDER**

PERFECT FOR INTERCOM COMMUNICATIONS OF PASSBOX AND CLEAN ROOMS.

2nd EXPANDER

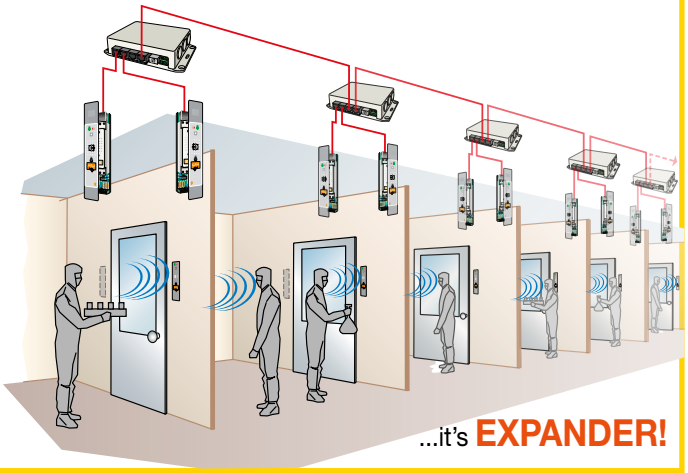
VOXTRONIX base configuration is made up of 1 two-channel “VOXTRONIX” control interface connected to two “SLIM-DUALVOX” intercoms to create the ideal application for Passbox structures or two isolated rooms.

VOXTRONIX in basic configuration



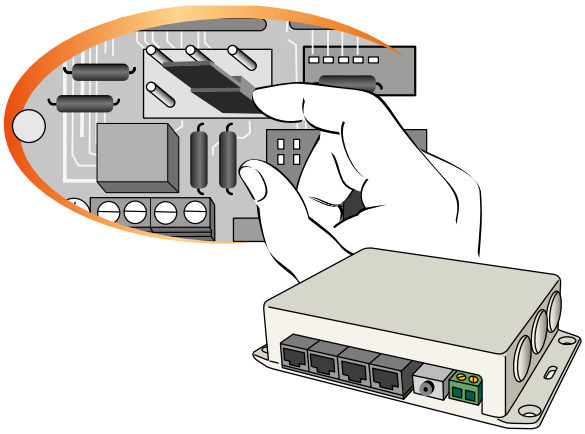
VOXTRONIX is designed to allow the configuration in “cascade” of multiple communication systems of 2... 4... 8... 12 intercom points without limitations.
By connecting a two channels VOXTRONIX module to the subsequent ones, it is possible to flexibly set-up a multiple intercom system; in this way the 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!**

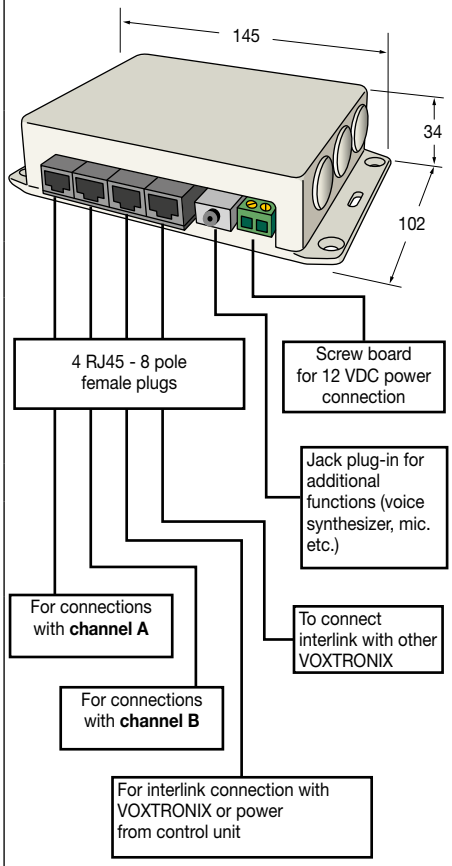
1st MULTISELECT



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!**

Two-channel VOXTRONIX
(expandable)



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

Export Product-list
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		Q.ty
MODELS		**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 25) 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 26 and page 27.		

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).

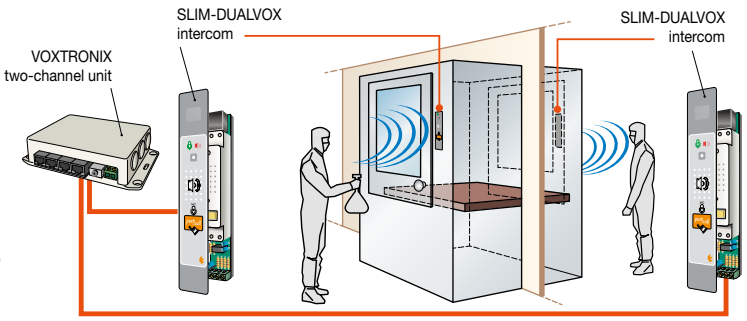


Fig. 1 - Voxtronix BASE configuration

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.

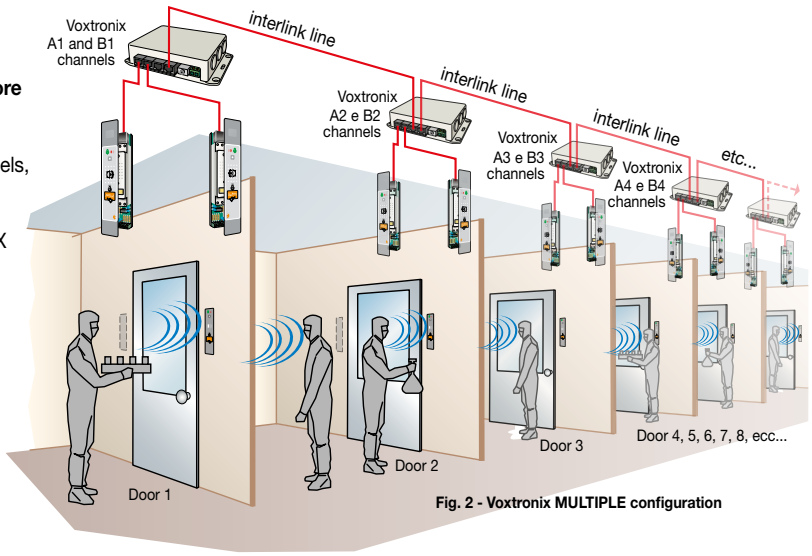


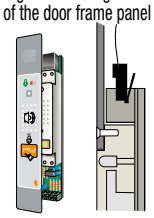
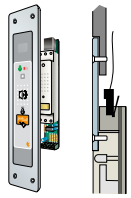
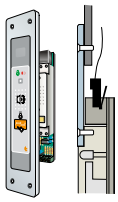
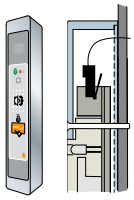
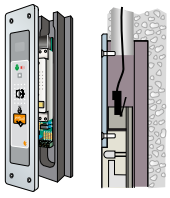
Fig. 2 - Voxtronix MULTIPLE configuration

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 24).
- 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.

Export Product-list
January 2024

TECNODIMENSIONE®

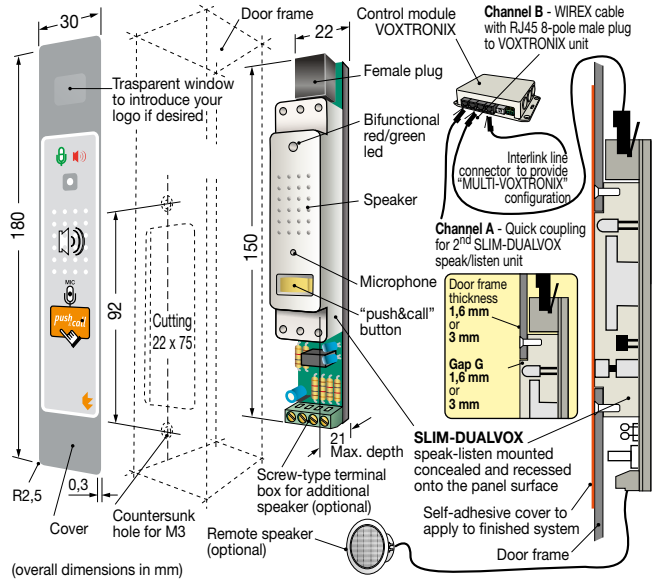
Models for 12 Vdc/70mA power supply	Ordering information MODELS	Q.ty N°
Assembly type 1 **fully aligned concealed** for recess-mounting without flange on the same plane of the door frame panel ✻  SLIM-DUALVOX speak-listen unit type 1 with fully aligned concealed for recess-mounting on the same plane 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 26 and page 27.	
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 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 26 and page 27.	
Assembly type 3 **for conventional flush mounting** with front flange overlapping door frame  SLIM-DUALVOX speak-listen 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. 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 26 and page 27.	
Assembly type 4 **for surface mounting** with using housing  SLIM-DUALVOX speak-listen 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). 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 26 and page 27.	
Assembly type 5 **for recessed wall-mounting** with flange and wall-mounting receptacle  SLIM-DUALVOX speak-listen 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. 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.**	**034963CW2U** * Module only. Other components are needed for operation, see page 26 and page 27.	
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.

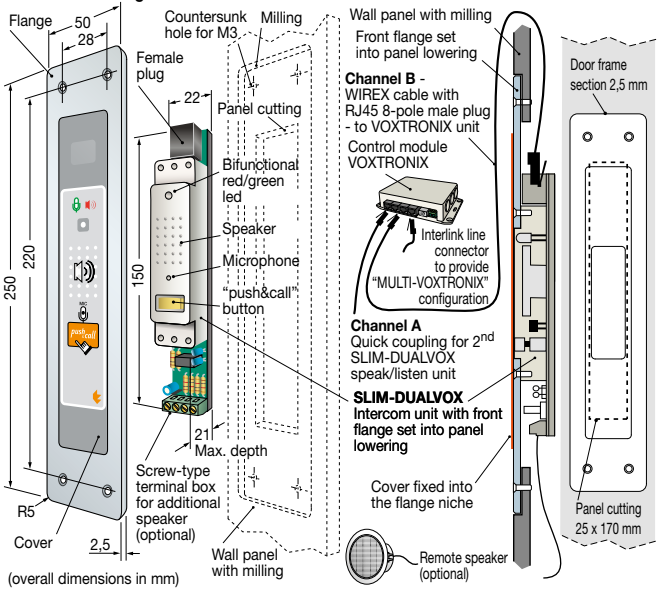
For sizes, measurements and details of chasing, application examples and connection diagrams, see page 28.

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

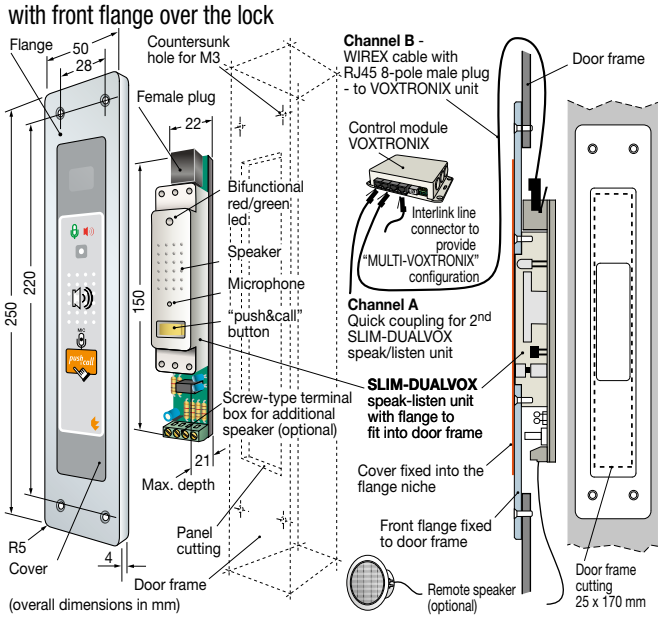
Assembly type 1 total alignment,
lock recessed into surface without flange



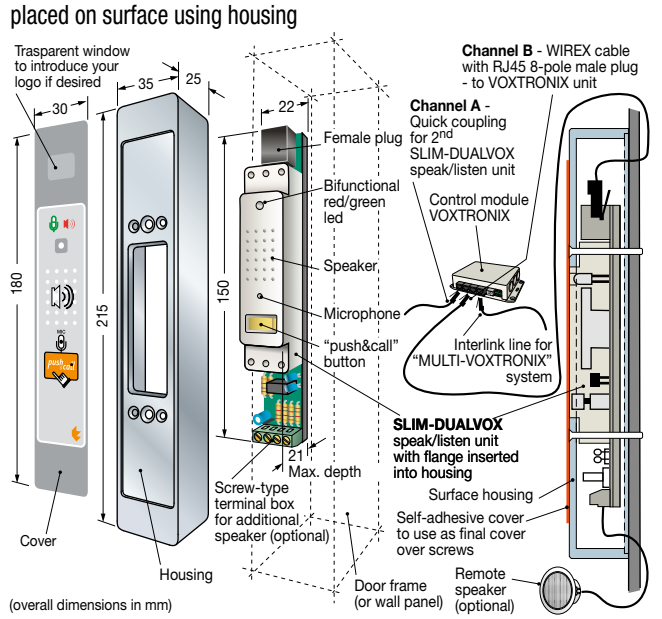
Assembly type 2 alignment at bottom
with front flange "flush with surface" at bottom



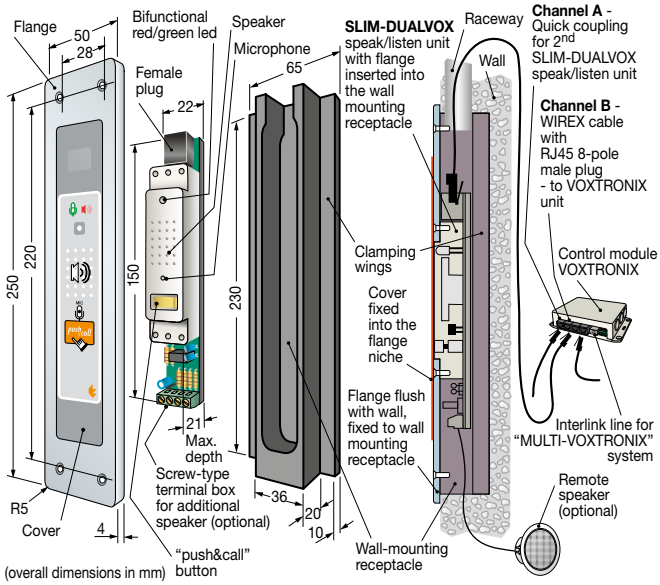
Assembly type 3 traditional fitting
with front flange over the lock



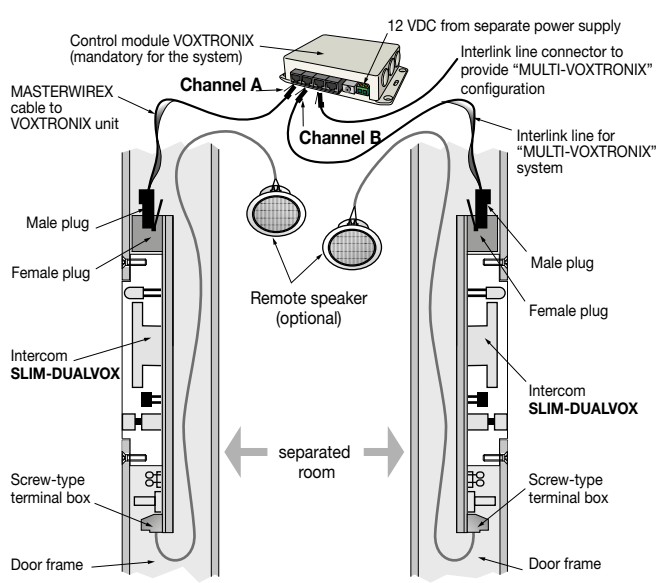
Assembly type 4 for mounting
placed on surface using housing



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

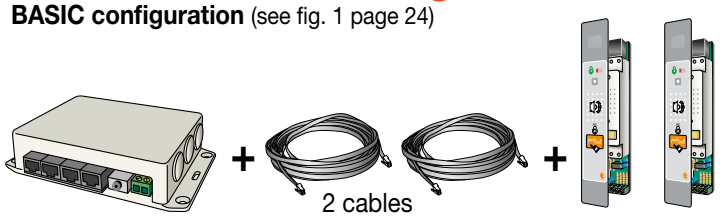
with structured and pre-cabled WIREX cables, fitted with 8 pole RJ45 quick connection plug

Export Product-list
January 2024

TECNODINAMENSIONE®

	ordering information		Q.ty
	MODELS		N°

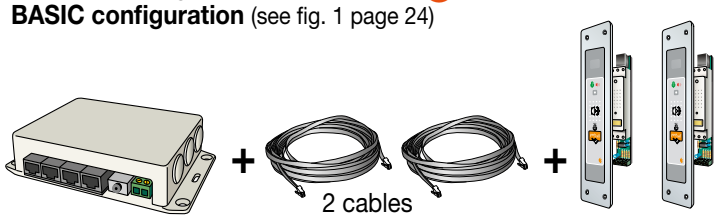
Basic kit configuration for two type-1 speak-listen stations for assembly in BASIC configuration (see fig. 1 page 24)



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 25)		
COMPLETE BASIC KIT type 1	**TOTAL**		

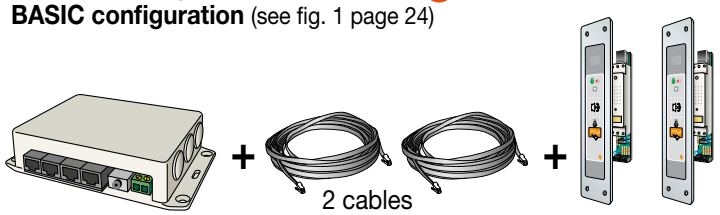
Basic kit configuration for two type-2 speak-listen stations for assembly in BASIC configuration (see fig. 1 page 24)



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**		

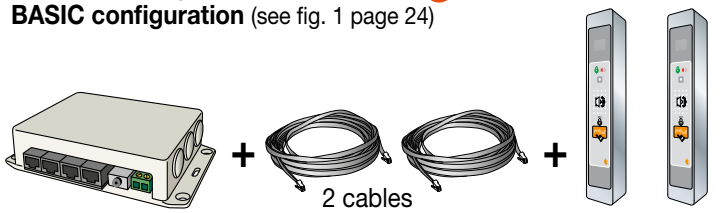
Basic kit configuration for two type-3 speak-listen stations for assembly in BASIC configuration (see fig. 1 page 24)



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**		

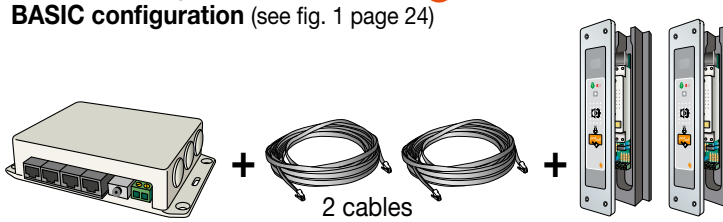
Basic kit configuration for two type-4 speak-listen stations for assembly in BASIC configuration (see fig. 1 page 24)



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 24)



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**		

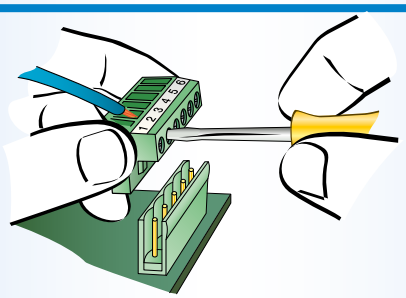
The MULTIVOXTRONIX configuration with 4, 6, 8 or more speak-listen stations (see fig. 2, page 24) is the sum of the aforesaid BASIC KITS (with 2 stations).

DOOR MANAGEMENT SYSTEMS

with tecnology

flexicon

MULTIFUNCTIONAL INPUTS/OUTPUTS



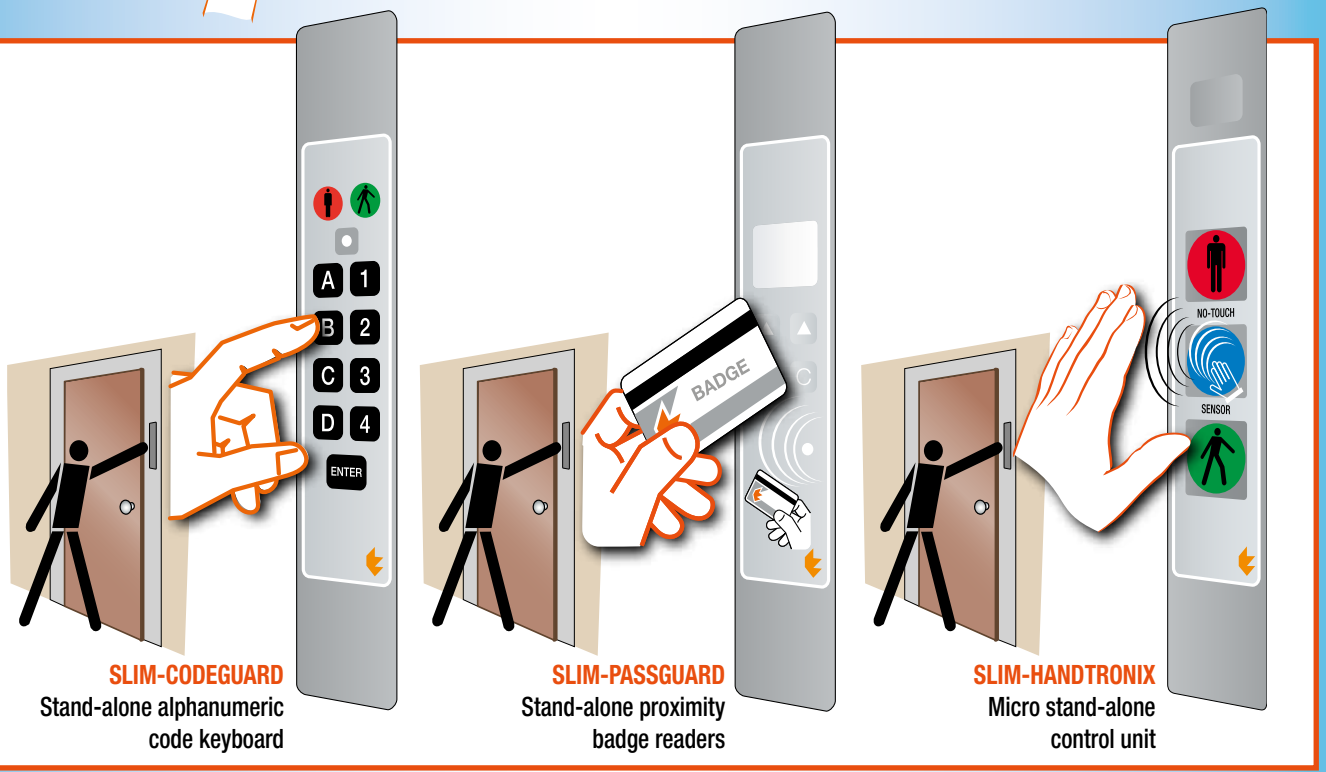
"FLEXICON" WIRING

Conventional cables systems with screw-type terminal board for medium and large section cables **for medium and long range connections.**

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

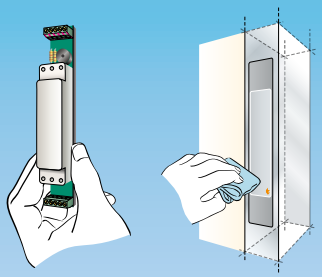
SLIM-HANDTRONIX
Micro stand-alone control unit

in 5 installation types next to door.

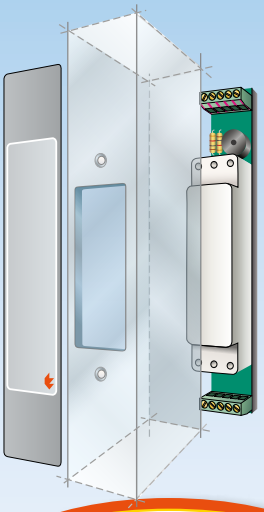
Ultra-slim and super-compact devices

flexicon
MULTIFUNCTIONAL INPUTS/OUTPUTS

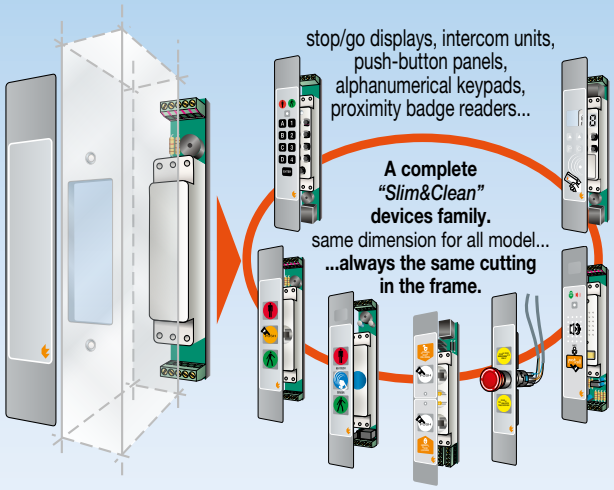
SLIM& MODULAR



SLIM& CLEAN MODULAR ®



Unified cutting into door frame
(22x75mm)
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!**

ACCESS CONTROL SYSTEMS

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

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.

... MANAGEMENT UNITS

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

ACCESS CONTROL SYSTEM

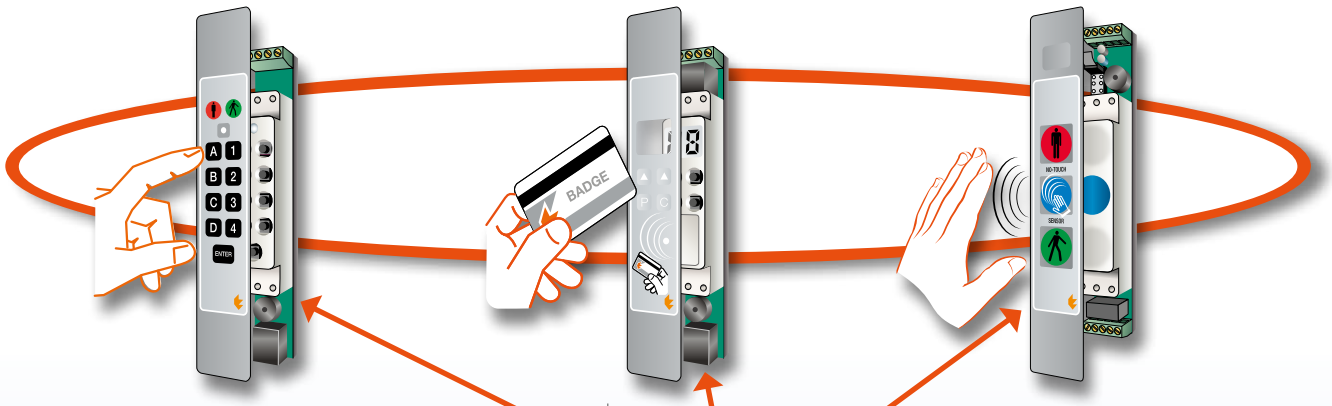
SLIM& MODULAR

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

Alphanumerical keypads
SLIM-CODEGUARD

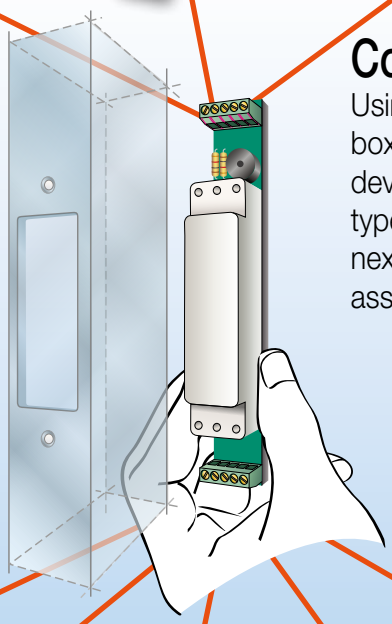
Proximity badge readers
SLIM-PASSGUARD

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.

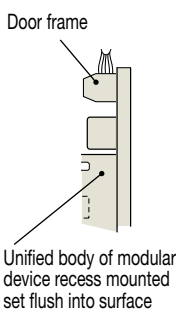


Convertible because...

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.

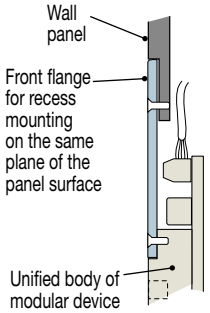
Assembly type 1

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



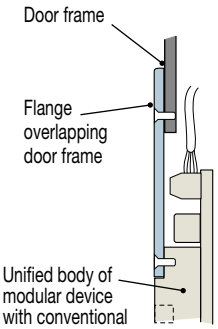
Assembly type 2

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



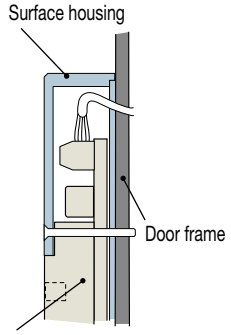
Assembly type 3

for conventional flush mounting
with front flange overlapping door frame



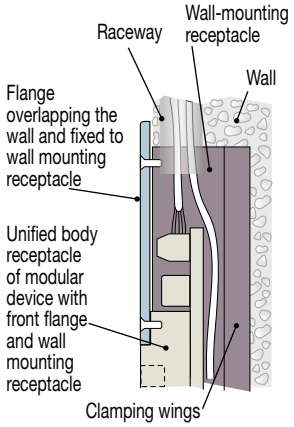
Assembly type 4

for surface mounting
with using housing



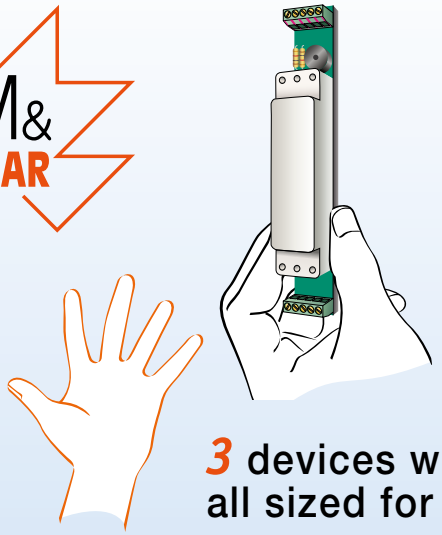
Assembly type 5

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



SLIM& MODULAR

flexicon MULTIFUNCTIONAL INPUTS/OUTPUTS



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

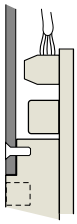
for authorised accesses via personal touch badge only.

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

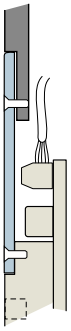
in addition to being a sensorized No-touch stop and go display, it is also a real micro control panel that can autonomously manage a single door with electric lock.

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

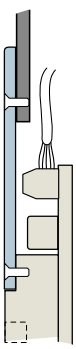
Assembly type
1 fully aligned concealed
for recess-mounting without flange on the same plane of the door frame panel



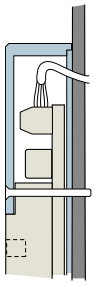
Assembly type
2 fully aligned at milling
or recess-mounting with front flange on the same plane of the panel surface



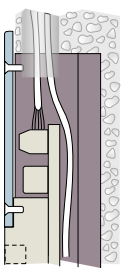
Assembly type
3 for conventional flush mounting
with front flange overlapping door frame



Assembly type
4 for surface mounting with using housing



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



SLIM-CODEGUARD
PROFESSIONAL KEYPADS WITH ACCESS CODES

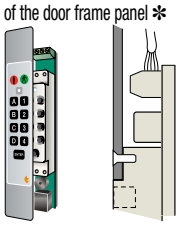
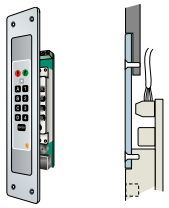
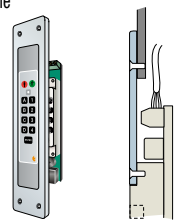
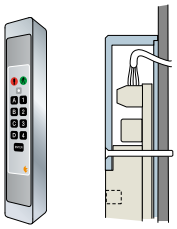
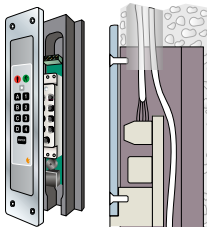
Programmable and modifiable without limitations directly on site using the keypad (by entering the proprietary programming code, that can also be customised on-site).

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

- With screw-type terminal box for conventional cables for connection to control panel (for independent use with any system also from different manufacturer).
- 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.
- 1 self-adhesive cover in polycarbonate, 180x30mm R2,5 - thickness 0.3mm, with international symbols, available in 7 colours, designed to be applied after the final installation of the system.
- two-color R/G LED + buzzer to confirm the opening of the door.

Export Product-list
January 2024

TECNODIMENSIONE®

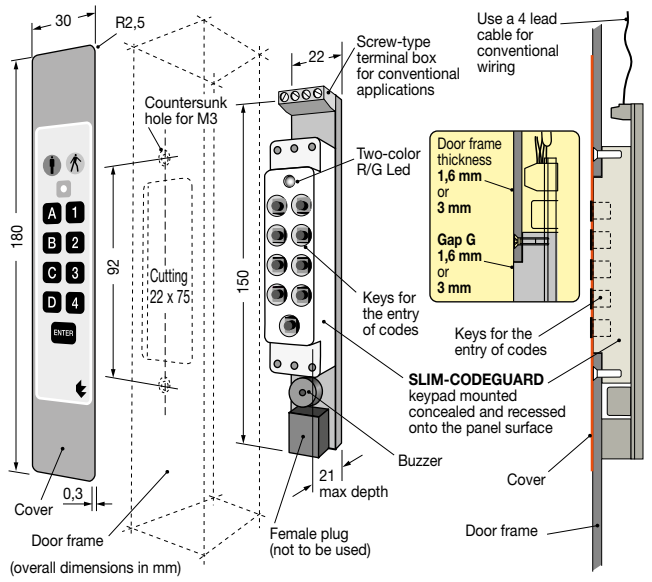
Models for 12Vdc/70mA power supply	MODELS	Ordering information	Q.ty N°
Assembly type 1 **fully aligned concealed** for recess-mounting without flange on the same plane of the door frame panel ✻ 	SLIM-CODEGUARD access code keypad, Type 1 with fully aligned concealed for recess-mounting on the same plane 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 1.6mm. 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.**	**034991NM2U**	
	Same with front panel and gap G for sections with a thickness of 3mm.	**034991NM2U3**	
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 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 - 250x50mm, thickness 2.5mm 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.**	**034992NM2U**	
Assembly type 3 **for conventional flush mounting** with front flange overlapping door frame 	SLIM-CODEGUARD access code keypad, Type 3 for traditional recessed fitting using flange. Supplied with front flange in anodized aluminium with “silver” finish - 250x50mm, thickness 4mm 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.**	**034993NM2U**	
Assembly type 4 **for surface mounting** with using housing 	SLIM-CODEGUARD access code keypad, Type 4 for mounting placed on surface using housing. With extra-strong protective housing, made in anodized silver finish aluminium (35x25x215mm). 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.**	**034994NM2U**	
Assembly type 5 **for recessed wall-mounting** with flange and wall-mounting receptacle 	SLIM-CODEGUARD access code keypad, Type 5 for recessed assembly using flange and wall box. Supplied with front flange in anodized aluminium with "silver" finish - 250x50mm, thickness 4mm, 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 (65x30x230mm), 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.**	**034995NM2U**	

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

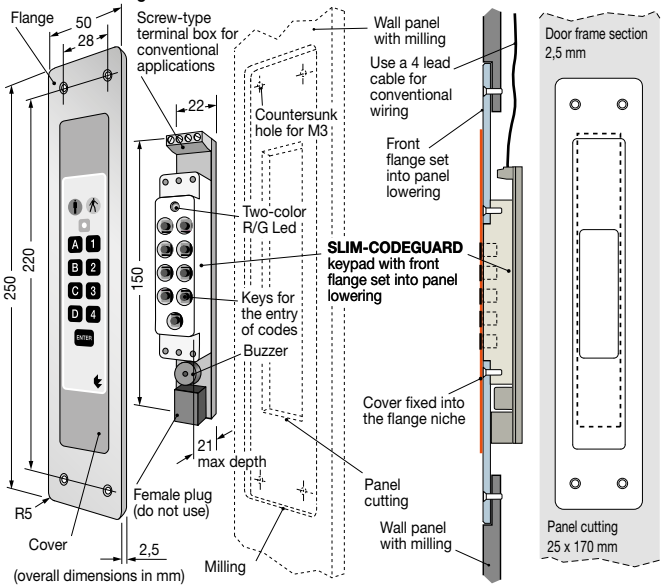
For sizes, measurements and details of chasing, application examples and connection diagrams, see page 35.

SLIM-CODEGUARD KEYPADS - sizes, application examples and connection diagram

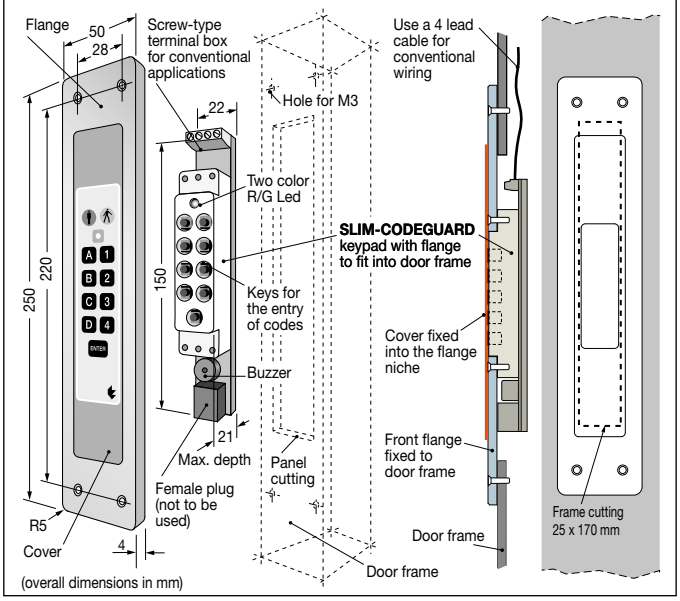
Assembly type 1 total alignment,
lock recessed into surface without flange



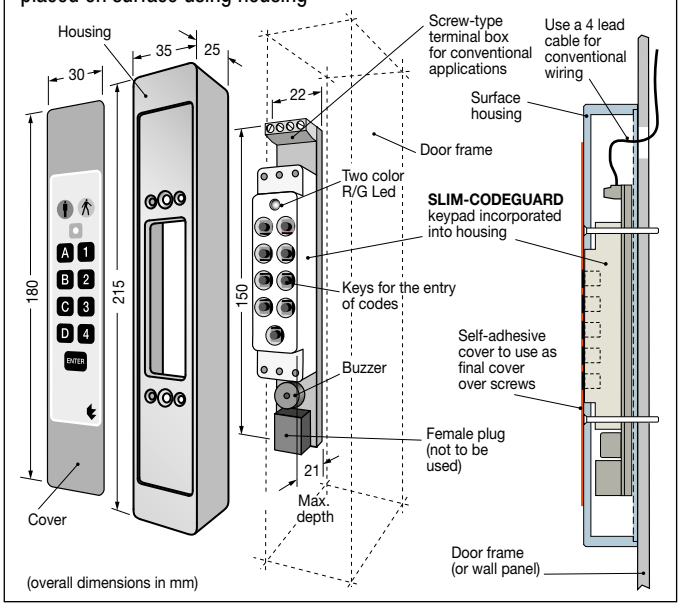
Assembly type 2 alignment at bottom
with front flange "flush with surface" at bottom



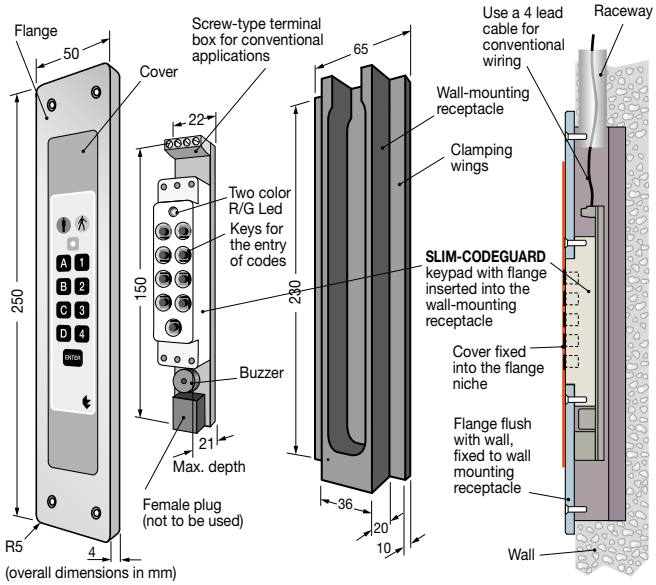
Assembly type 3 traditional fitting
with front flange over the lock



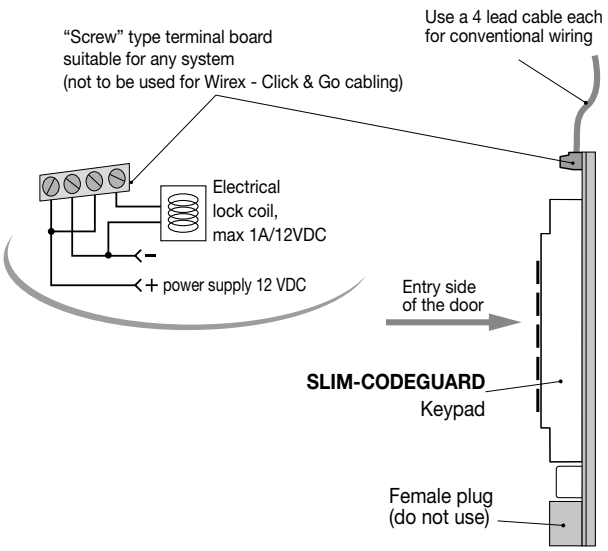
Assembly type 4 for mounting
placed on surface using housing



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



CONNECTION DIAGRAM valid for all 5 types



SLIM-PASSGUARD
PROFESSIONAL PROXIMITY BADGE READERS

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 self-learning feature.
- With screw-type terminal box for conventional cables for connection to control panel (for independent use with any system also from different manufacturer)
- 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

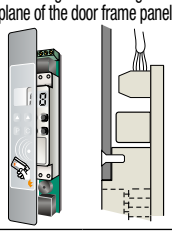
Accessories supplied as standard: self-adhesive cover in polycarbonate, 180 x 30 mm, radius 2.5, thickness 0.3 mm, with international symbols that can be applied once the installation has been completed. Supplied with 1 master badge + 3 additional badges (see below).

Export Product-list
January 2024

TECNODIMENSIONE®

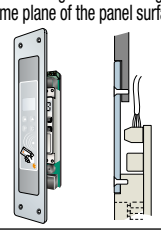
Ordering information		Q.ty
Models for 12 VDC power supply	MODELS	N°

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



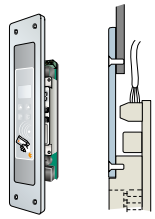
SLIM-PASSGUARD proximity badge reader type 1 with fully aligned concealed for recess-mounting on the same plane of the door frame panel without flange. Ideal to achieve a "smooth" surface (without roughness) that is easy to clean. Supplied with diffuser screen and gap G for sections with a thickness 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.**	034991TM2U	
Same with front panel and gap G for sections with a thickness of 3 mm.	034991TM2U3	
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 ◆



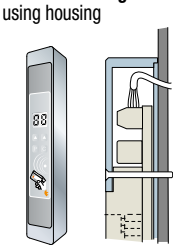
SLIM-PASSGUARD proximity badge reader type 2 for aligned recessed flush fitting in bottom of panel using front flange (e.g. To mount on wall panel next to the door frame on the post where no chasing can be carried out). Supplied with front flange in anodized aluminium with "silver" finish - 250 x 50 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.**	034992TM2U	
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



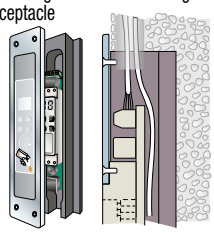
SLIM-PASSGUARD proximity badge reader, type 3 for traditional recessed fitting using flange. Supplied with front flange in anodized aluminium with "silver" finish - 250 x 50mm, thickness 4 mm for flush mounting. Cover pre-assembled and fixed into the flange niche. **Mounting can be carried out "on site", directly onto the installed door frame.**	034993TM2U	
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 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.**	034994TM2U	
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 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.**	034995TM2U	
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	

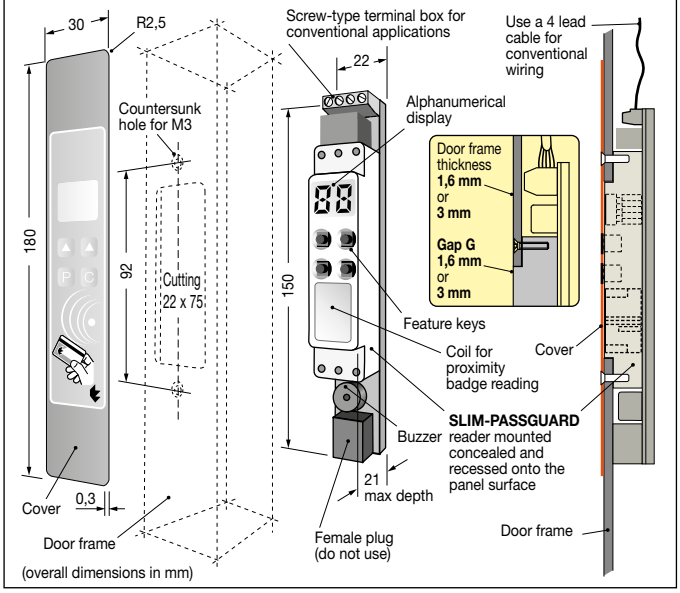
	Proximity badge in plastic, size DIN 86 x 54 mm (type credit card with Tecnodimensione logo)	034990T	

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

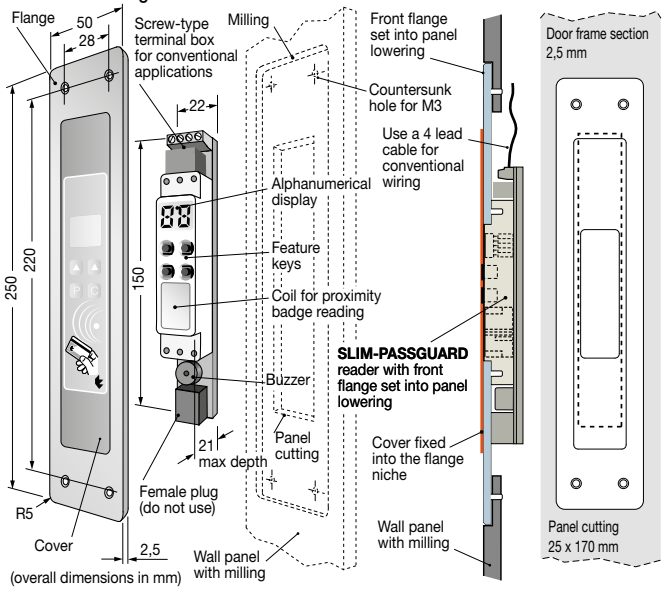
For sizes, measurements and details of chasing, application examples and connection diagrams, see page 37

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

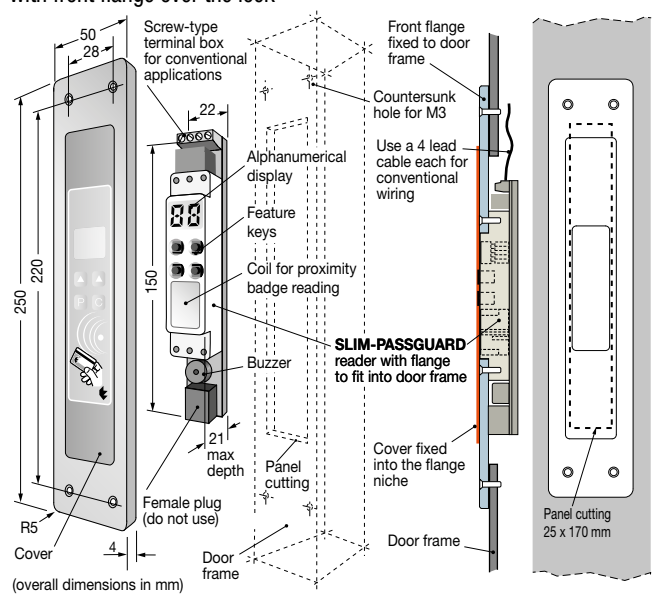
Assembly type 1 total alignment,
lock recessed into surface without flange



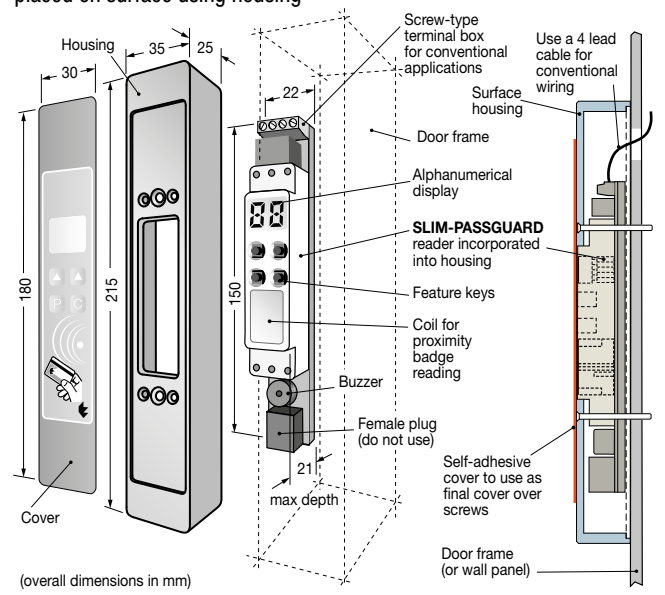
Assembly type 2 alignment at bottom
with front flange "flush with surface" at bottom



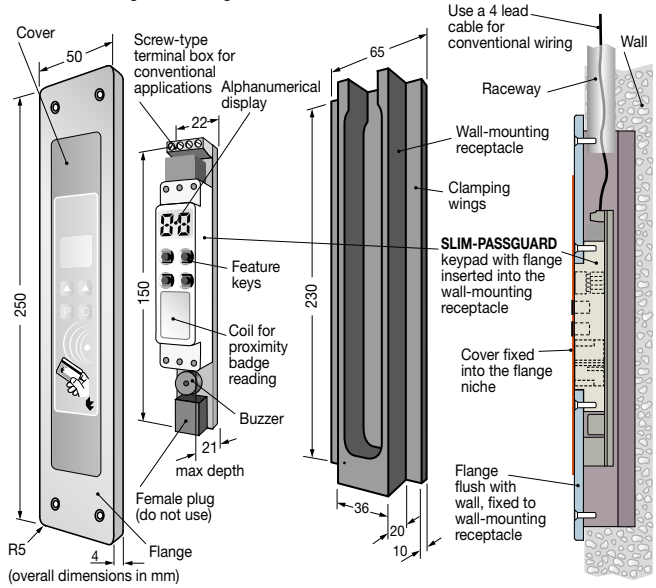
Assembly type 3 traditional fitting
with front flange over the lock



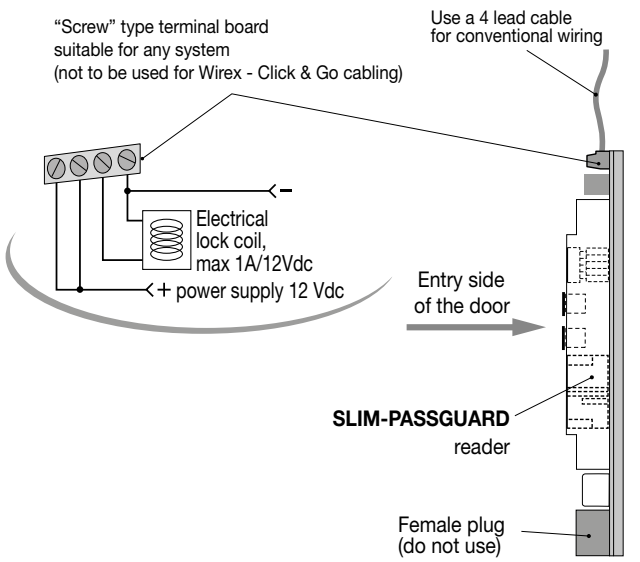
Assembly type 4 for mounting
placed on surface using housing

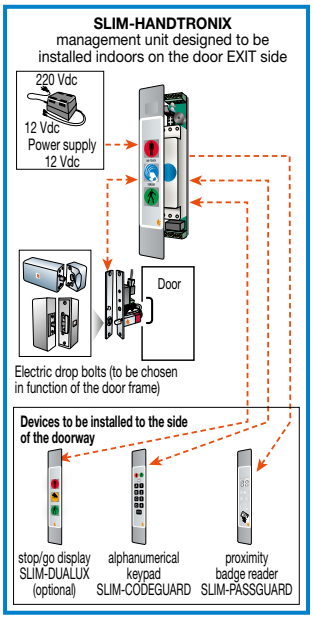


Assembly type 5 for recessed
wall mounting with flange and wall box



CONNECTION DIAGRAM valid for all 5 types





"No-touch" version with contactless command

SLIM-HANDTRONIX (no touch)

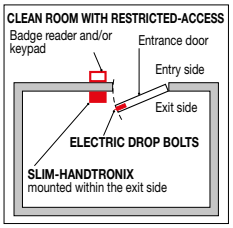
PROFESSIONAL TECNODIMENSIONE MICRO STAND-ALONE CONTROL UNIT FOR THE MANAGEMENT OF SINGLE DOORS

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:

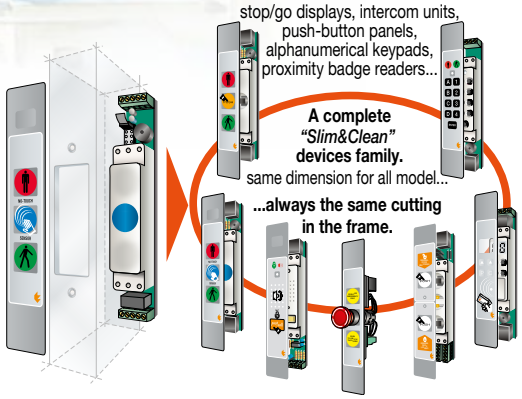
- If the door after an authorized transit stays open over a presetted time (time-out adjustable 30 sec).
- Every opening obtained unlikely through breaking effraction gives an automatic immediate alarm output.
  Really the opening of the door is permitted electrically using only authorized command arrived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

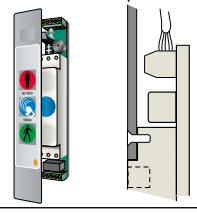
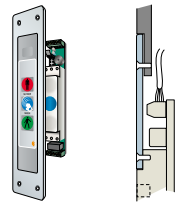
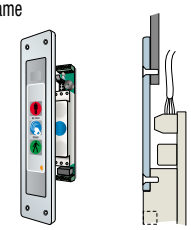
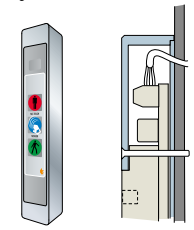
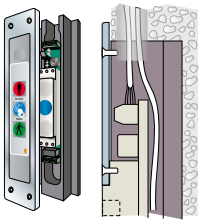
"No-touch" version with contactless command

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.

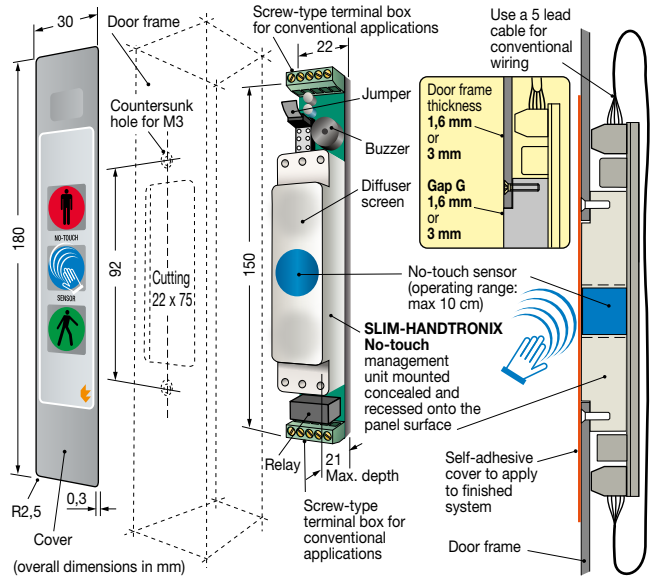
	Ordering information	PRICE in Euro	Q.ty
Models for 12 Vdc power supply	**MODELS**	**€ each**	**N°**
Assembly type 1 **fully aligned concealed** for recess-mounting without flange on the same plane of the door frame panel ✻  SLIM-HANDTRONIX stand alone unit type 1 with fully aligned concealed for recess-mounting 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 1.6mm. Fitted (instead of the manual push button) with an infrared sensor that "sees" a presence up to 10cm 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**	**228,00**	
Same with front panel and gap G for sections with a thickness of 3mm.	**034991HM3**	**228,00**	
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 10cm 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 - 250x50mm, thickness 2.5mm 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**	**255,00**	
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 - 250x50mm, thickness 4mm for flush mounting. Fitted (instead of the manual push button) with an infrared sensor that "sees" a presence up to 10cm 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**	**266,00**	
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 (35x25x215mm). Fitted (instead of the manual push button) with an infrared sensor that "sees" a presence up to 10cm 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**	**290,00**	
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. Fitted (instead of the manual push button) with an infrared sensor that "sees" a presence up to 10cm away. Supplied with front flange in anodized aluminium with "silver" finish - 250x50mm, thickness 4mm, to be fixed to the housing by placing on wall surface. Self-adhesive cover in polycarbonate pre-assembled and fixed into the flange niche. 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 (65x30x230mm), 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**	**286,00**	

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

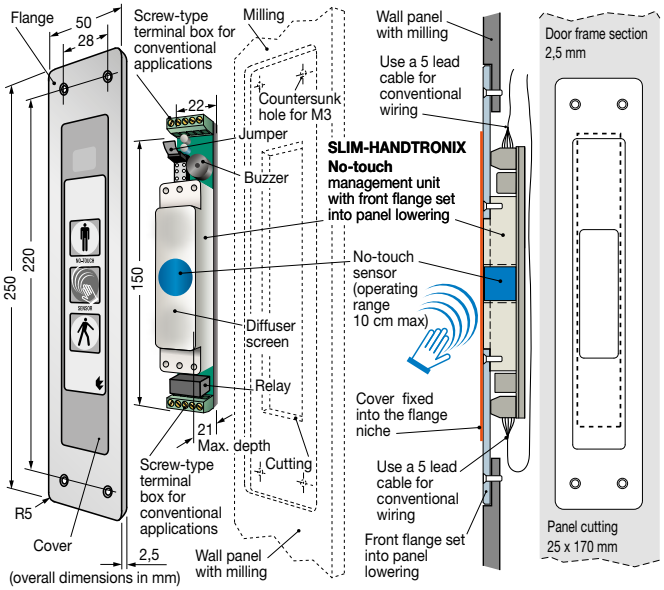
For sizes, measurements and details of chasing, application examples and connection diagrams, see page 40.

SLIM-HANDTRONIX STAND ALONE UNIT - sizes, application examples and connection diagram

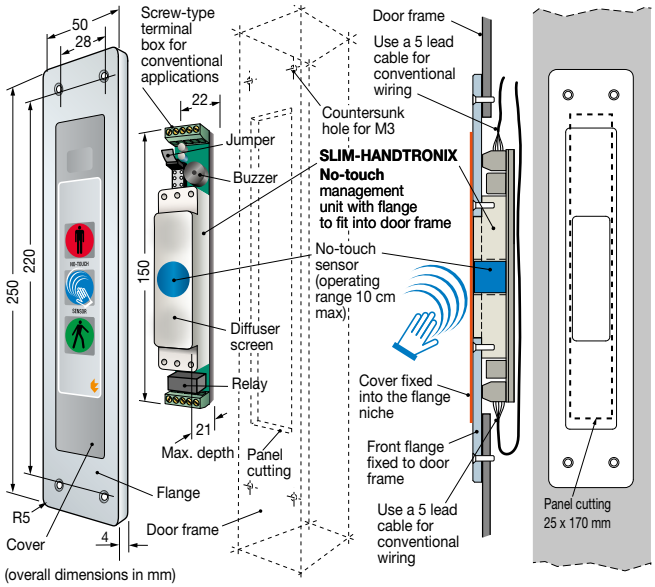
Assembly type 1 total alignment,
lock recessed into surface without flange



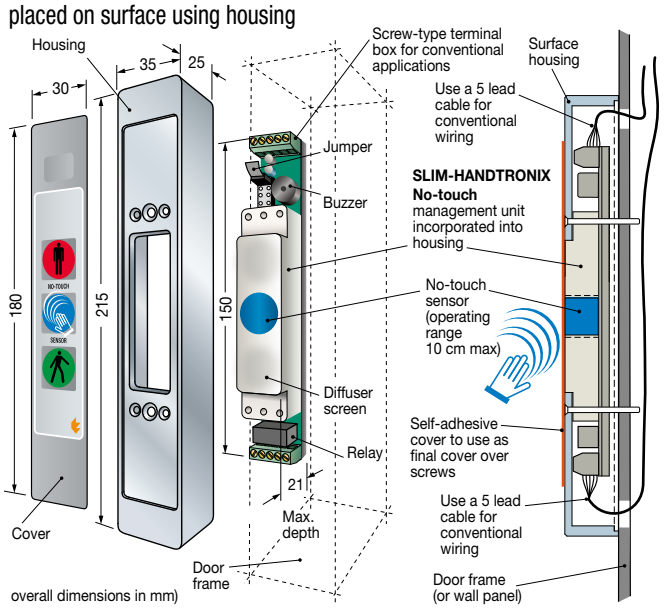
Assembly type 2 alignment at bottom
with front flange "flush with surface" at bottom



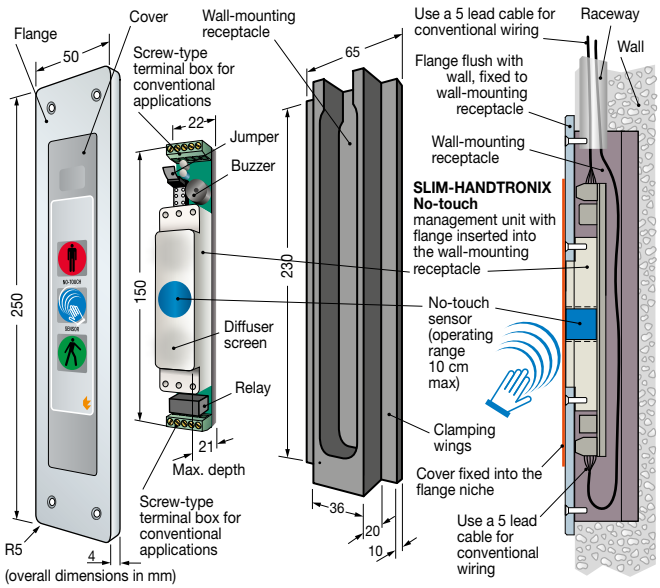
Assembly type 3 traditional fitting
with front flange over the lock



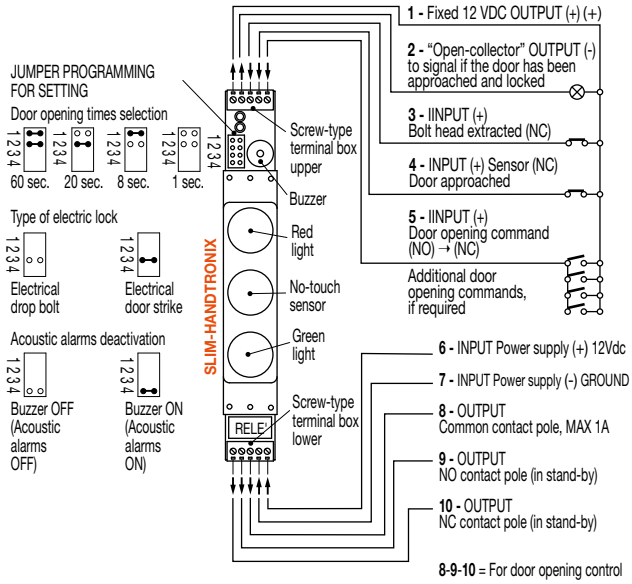
Assembly type 4 for mounting
placed on surface using housing



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



CONNECTION DIAGRAM valid for all 5 types

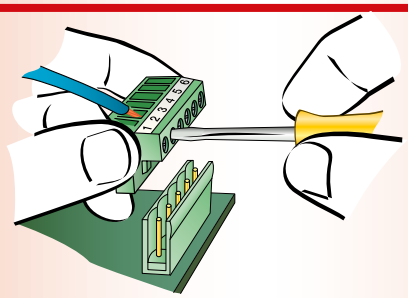


PROFESSIONAL ELECTRICAL LOCKS

with tecnology

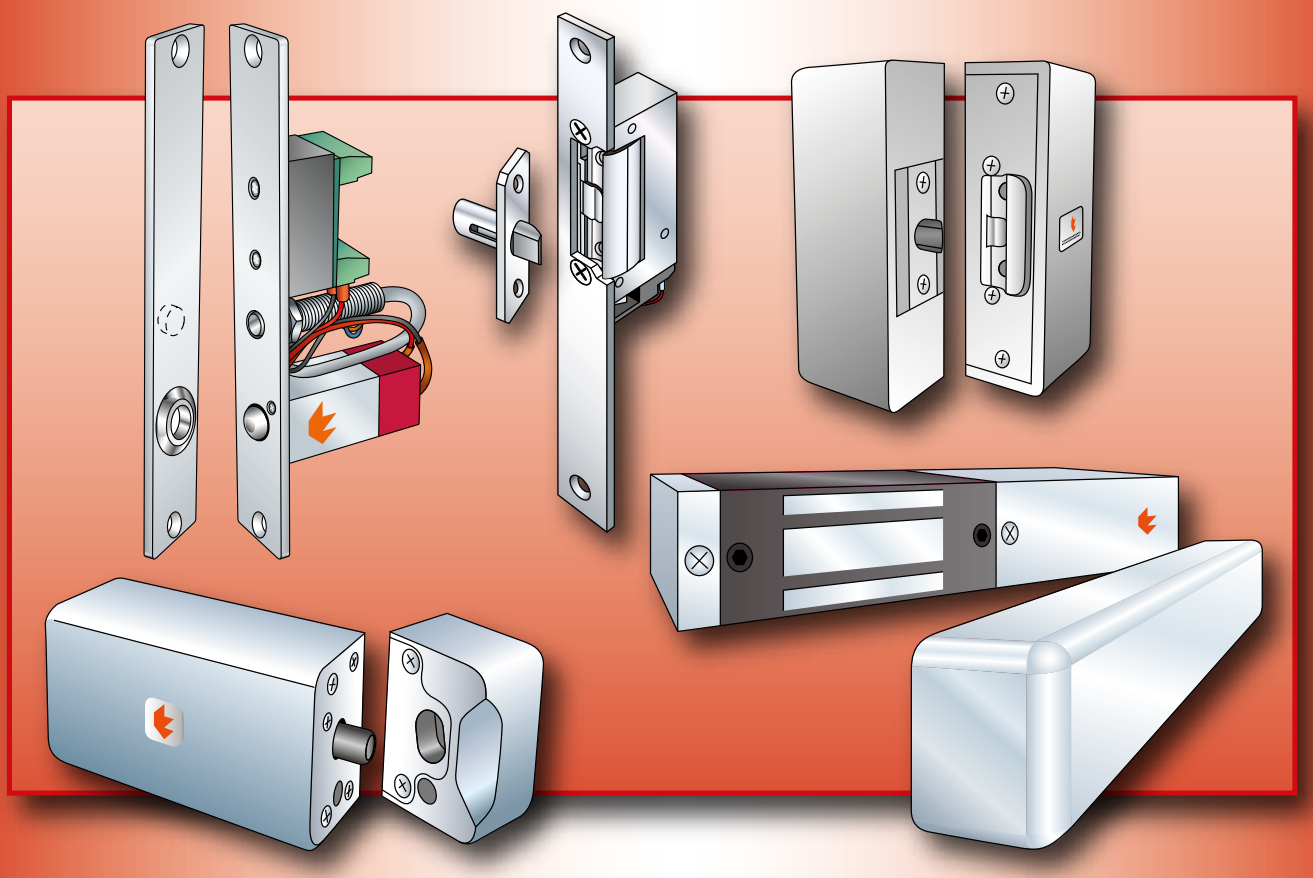
flexicon

MULTIFUNCTIONAL INPUTS/OUTPUTS



“FLEXICON” WIRING

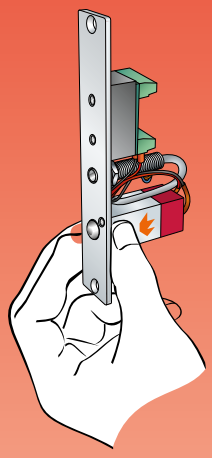
Conventional cables systems with screw-type terminal board for medium and large section cables **for medium and long range connections.**



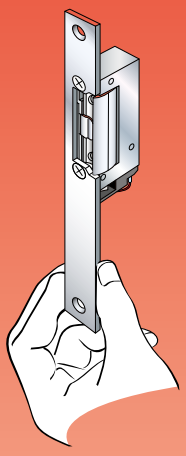
TECNODINAMENSIONE

security with style

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



SLIM&
FAIL-SAFE
ANTI-PANIC AUTOMATIC RELEASE
®



FOR FLUSH MOUNTING
&
ADAPTABLE TO ANY TYPE OF FRAME

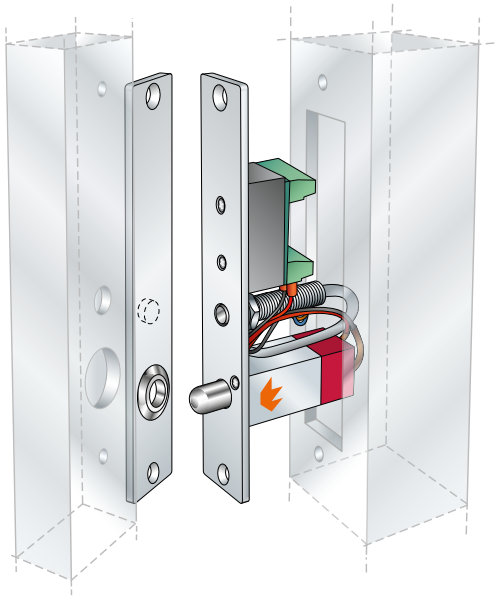
flexicon
MULTIFUNCTIONAL INPUTS/OUTPUTS

PROFESSIONAL ELECTRICAL LOCKS

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

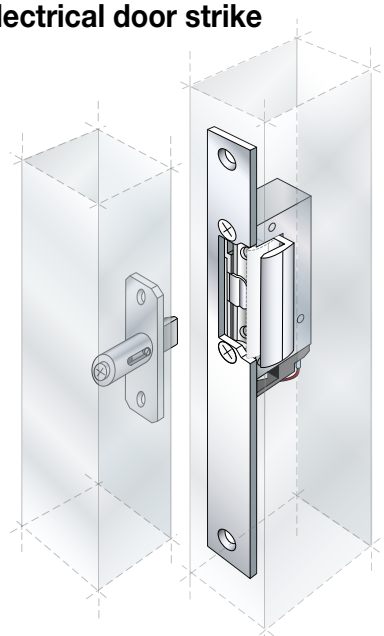
PROFESSIONAL ELECTRICAL LOCKS

Micro electrical drop bolt



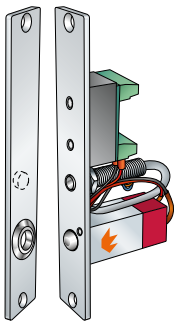
SLIM-MICROREDLOCK
Anti-panic "fail-safe" models (designed to disengage in the event of power failure). With door proximity sensor, flange and reference counterflange. Enables the doors to be closed with a steel bolt head.

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 Conventional wiring installation with screw-type terminal board via converter = **FLEXICON**

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

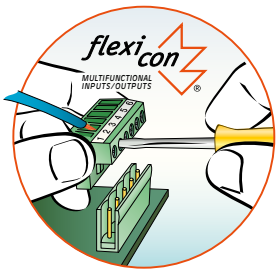
3rd Equipped with Kit SCP to compensate distance between door frame and doo-post.
Adaptable to any type of frame = **REGOSTRIKE**

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 flexicon

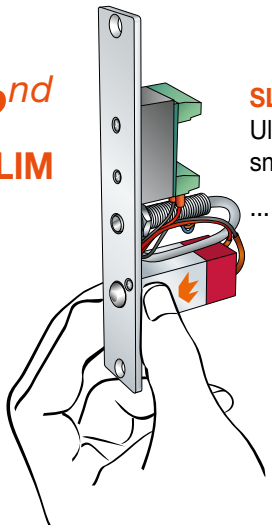
MULTIFUNCTIONAL INPUTS/OUTPUTS



Ideal for the installation on existing door frames in combination with conventional wiring systems and to be interfaced with any control unit such as PLC, microprocesor boards or conventional electronics.....

... it's ***FLEXICON!***

2nd SLIM



SLIM-MICROREDLOCK
Ultra-slim and compact for very small door frame profiles...

... it's **SLIM!**

3rd REGOSTRIKE

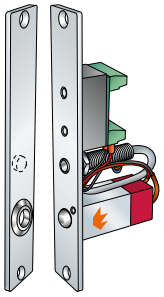
SLIM-MICROREDLOCK
Adaptable to all types of door frames thanks to kit “SCP”, consisting of three bushings that can be interchanged on the counterflange in order to perfectly adjust the distance between door frame and door-post...

... 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!**



flexicon
MULTIFUNCTIONAL INPUTS/OUTPUTS

PROFESSIONAL ELECTRICAL DROP BOLTS

SLIM-MICROREDLOCK

"FLEXICON"

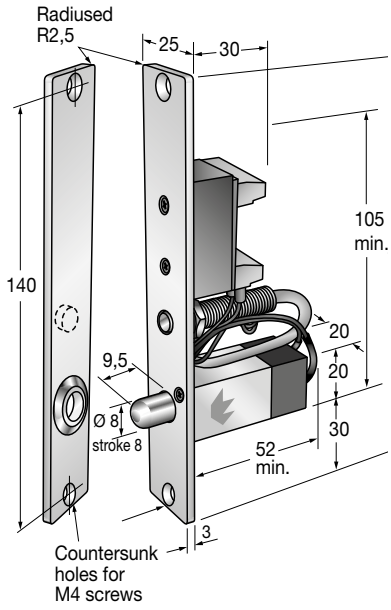
with screw-type terminal board for conventional cabling

Export Product-list
January 2024

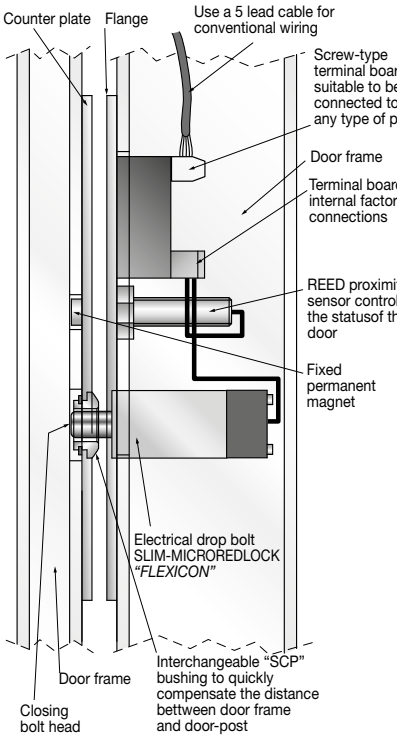
TECNODIMENSIONE®

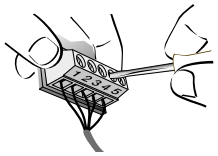
Micro electrical drop bolt for recess mounting with flange and counterflange in anodised aluminium with "silver" finish. Ideal for "clean rooms".

SLIM-MICROREDLOCK *"FLEXICON"*
For recess mounting



EXAMPLE OF RECESS-MOUNTING ON THE DOOR FRAME



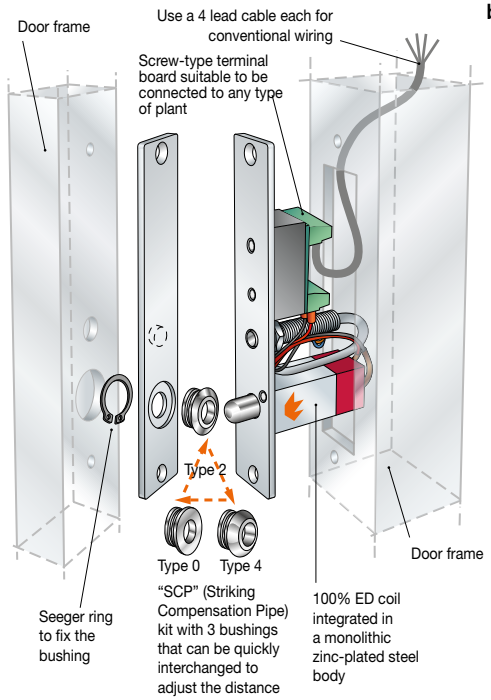


Multi-configurable *"FLEXICON"* connection with screw-type terminal boar

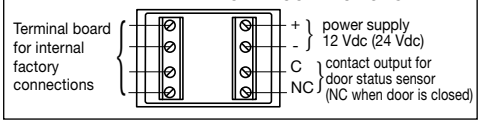
Ordering information		Q.ty
MODELS		**N°**
Series REDLOCK **(fail safe) "anti-panic"** model = The bolt head "projects" when the coil is powered or otherwise "retracted". **In the event of fire, the SLIM-MICROREDLOCK electrical drop bolt is automatically released to enable a safe and controlled evacuation.**		
Models for 12Vdc power supply		
SLIM-MICROREDLOCK micro-electronic lock for recess-mounting with "FLEXICON" technology, with screw-on terminal box for conventional wiring to any management unit, such as PLCs, microprocessor boards or conventional electronics. - 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.	**00803A2FZM**	
Models for 24Vdc power supply		
SLIM-MICROREDLOCK electrical drop bolt for recess mounting with "FLEXICON" technology, as above, but for 24 Vdc/200 mA power supply.	**00803A4FZM**	

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.

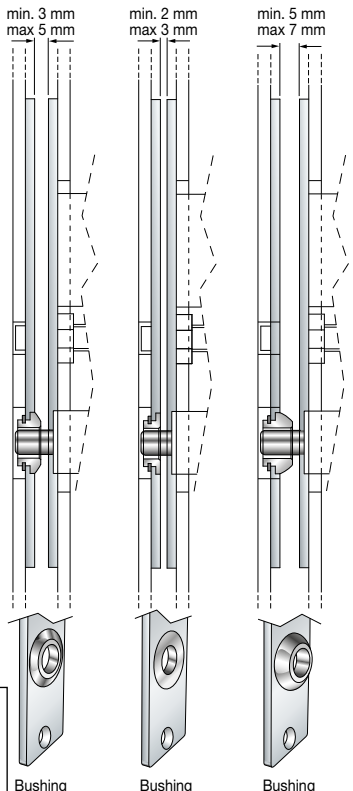
WIRING EXAMPLE



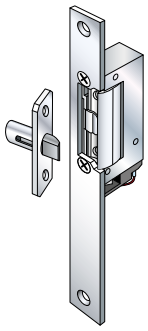
TERMINAL BOARD CONNECTIONS



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 4 different needs.

1st Conventional wiring installation with screw-type terminal board via converter = **FLEXICON**

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**

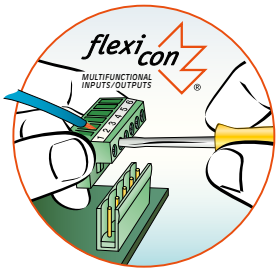
PERFECT FOR STERILE ROOMS.

1st flexicon

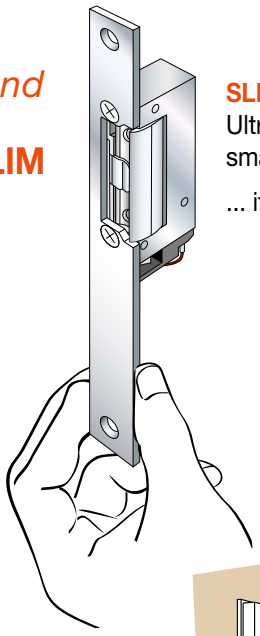
MULTIFUNCTIONAL INPUTS/OUTPUTS

Ideal for the installation on existing door frames in combination with conventional wiring systems and to be interfaced with any control unit such as PLC, microprocesor boards or conventional electronics.....

... it's ***FLEXICON!***



2nd SLIM

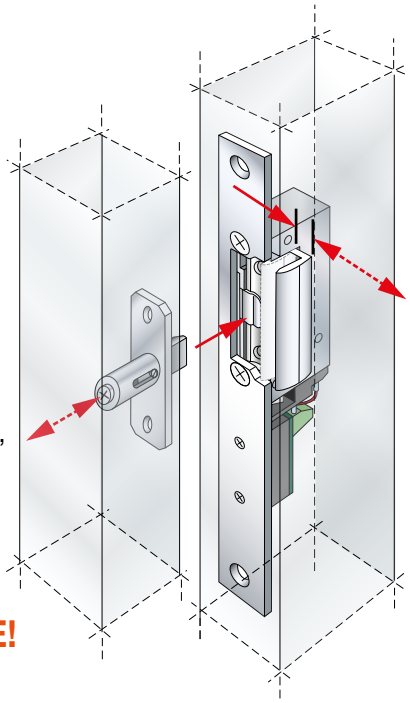


SLIM-MICROREDLOCK

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...

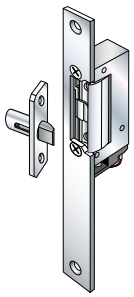
... it's **REGOSTRIKE!**

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!**



flexicon
MULTIFUNCTIONAL INPUTS/OUTPUTS

PROFESSIONAL ELECTRICAL DOOR STRIKE

SLIM-DOORSTRIKE

"FLEXICON"

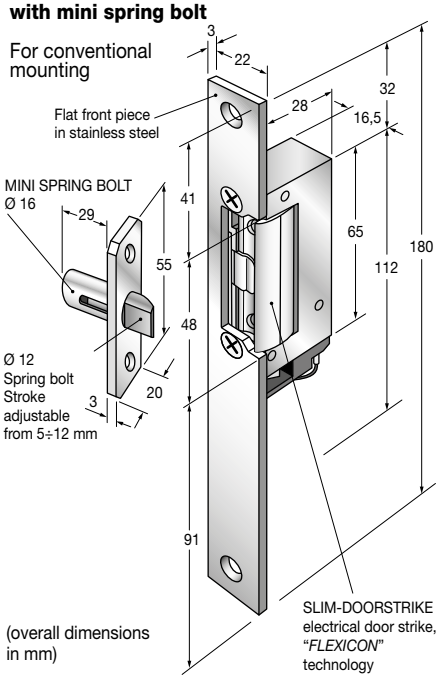
with screw-type terminal board for conventional cabling

Export Product-list
January 2024

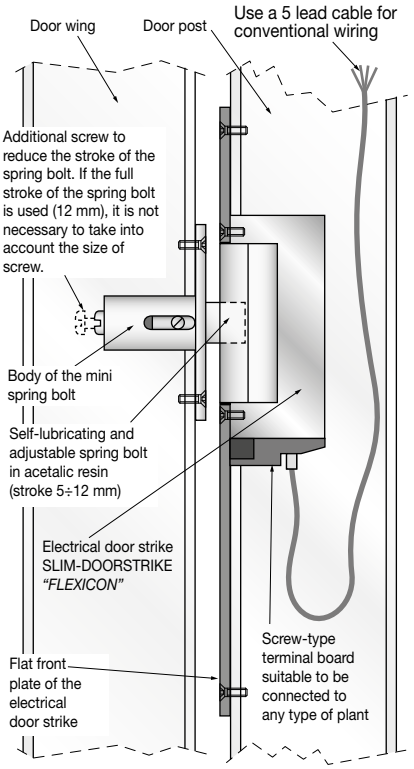
TECNODIMENSIONE®

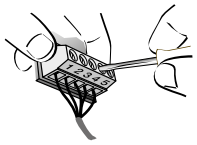
Electrical door strike for recess-mounting.
Ideal for "clean rooms".

SLIM-DOORSTRIKE *"FLEXICON"* with mini spring bolt



EXAMPLE OF RECESS-MOUNTING ON THE DOOR FRAME



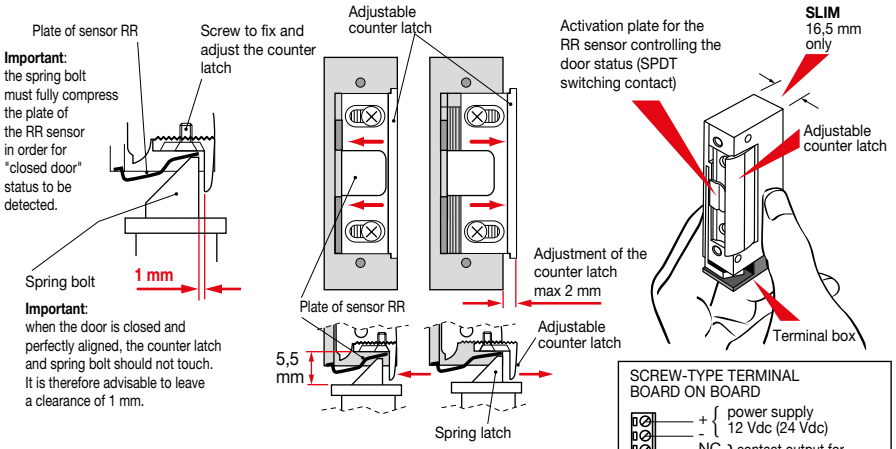


Multi-configurable "FLEXICON" connection with screw-type terminal boar

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, "FLEXICON" 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.	**0158J12RM**	
Models for 24Vdc power supply		
SLIM-DOORSTRIKE electrical door strike for flush mounting, "FLEXICON" technology, same characteristics as the modelabove but for a 24Vdc/140 mA power supply.	**0158J14RM**	
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).

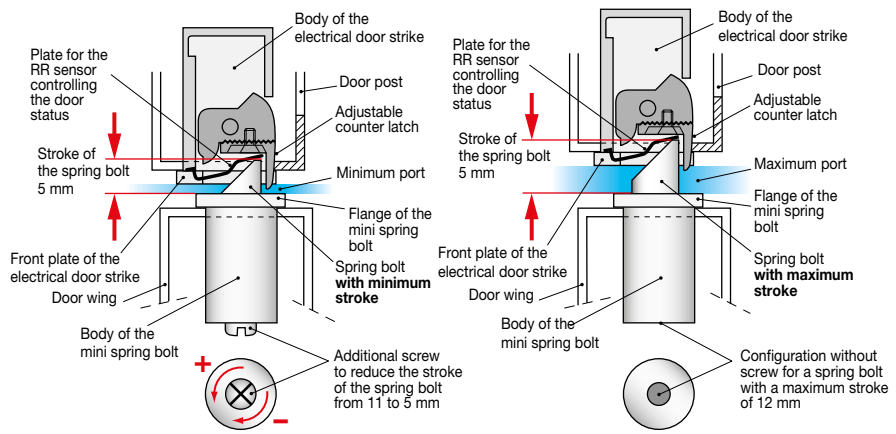
Electrical SLIM-DOORSTRIKE with RR sensor to control the door status and adjustable counter latch



SCREW-TYPE TERMINAL BOARD ON BOARD

+ / -	power supply 12 Vdc (24 Vdc)
NC / NO / C	contact output for door status sensor (NC when door is closed)

Adjustable mini spring bolt to quickly compensate the port

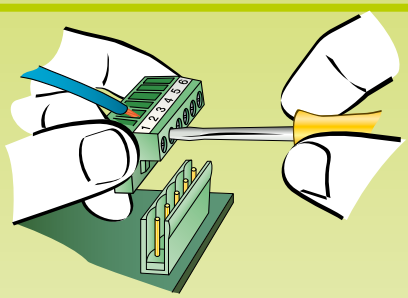


innovation

of news Tecnodimensione products in progress

for managing door systems and professional electrical locks

with tecnology flexicon
MULTIFUNCTIONAL INPUTS/OUTPUTS

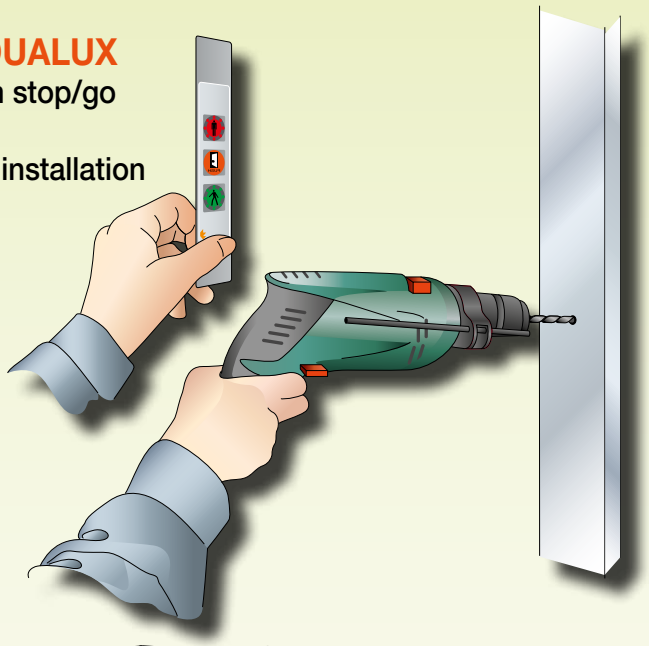


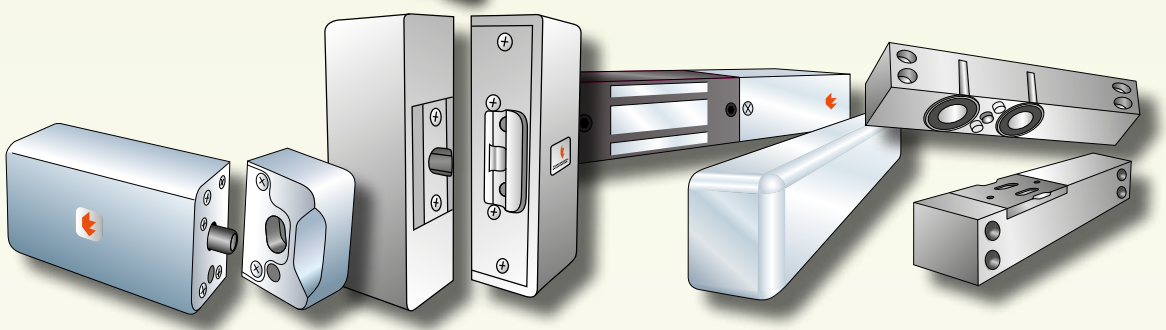
"FLEXICON" WIRING

Conventional cables systems with screw-type terminal board for medium and large section cables **for medium and long range connections.**

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

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.

TECNODINAMENSIONE
security with style

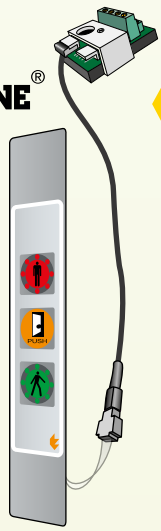
flexicon
MULTIFUNCTIONAL INPUTS/OUTPUTS

TECNODIMENSIONE®

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 *FLEXICON* converter.



DRILL& GO® Cut-Free

innovation

One unit for 4 different needs.

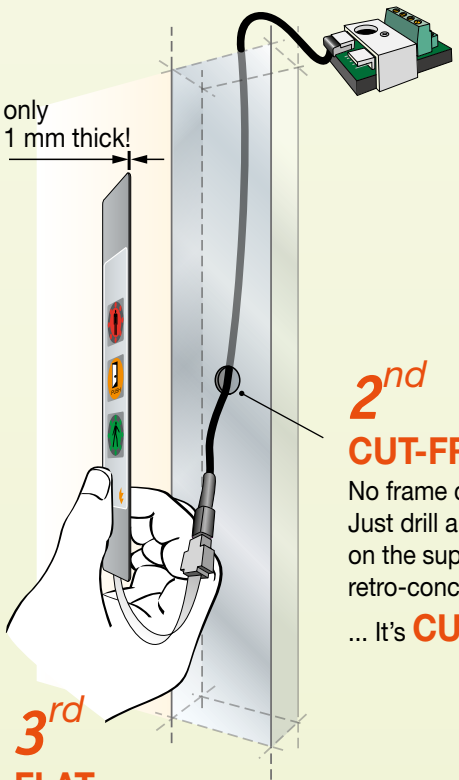
1st Conventional wiring installation with screw-type terminal board via converter = ***FLEXICON***

2nd No frame cutting nor work on internal nervures. Just drill to install = **DRILL&GO CUT-FREE**

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**

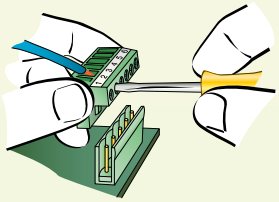
4th "Smooth" sealed alignment to the frame surface fully proper detergent washable = **CLEAN**

PERFECT FOR STERILE ROOMS



1st flexicon

MULTIFUNCTIONAL INPUTS/OUTPUTS



Ideal for the installation on existing door frames in combination with conventional wiring systems and to be interfaced with any control unit such as PLC, microprocessor boards or conventional electronics.....

....it's ***FLEXICON!***

2nd CUT-FREE

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!**

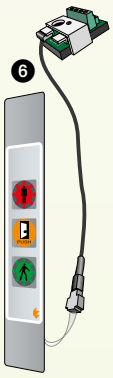
4th CLEAN

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

... It's **CLEAN!**

TECNODIMENSIONE®

DRILL& GO® Cut-Free



PROFESSIONAL STOP/GO DISPLAYS

FLAT-DUALUX ultra-slim

Complete with connection cable and FLEXICON converter for conventional wiring with screw type terminal board

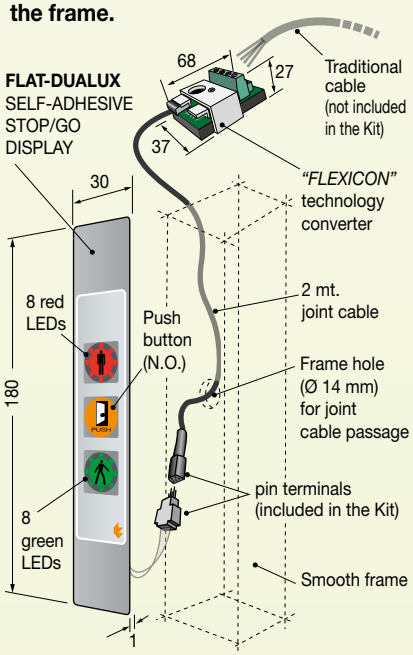
Type 6 - "FULLY ALIGNED"
ultra-slim for self-adhesive installation (without frame cutting).

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

A SINGLE UNIT FOR 2 TYPES OF UNIVERSAL INSTALLATION

Type 6 "FULLY-ALIGNED"

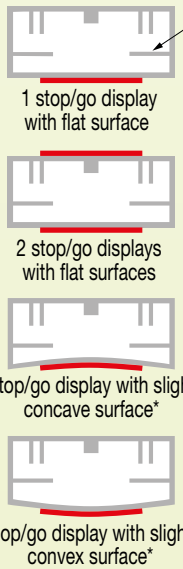
ultra-slim for self-adhesive installation on smooth surfaces without cutting the frame.



(overall dimensions in mm)

No cutting or work on the internal frame nervures

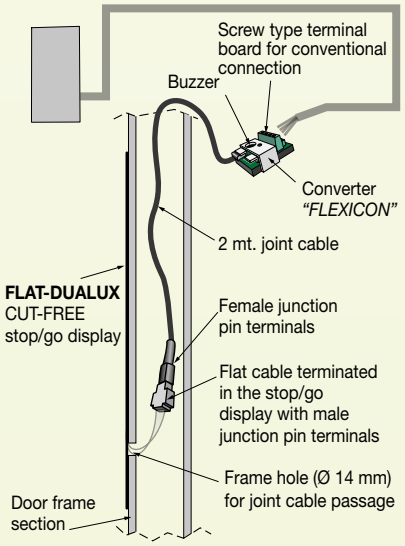
compatible smooth surfaces



*to be checked case by case

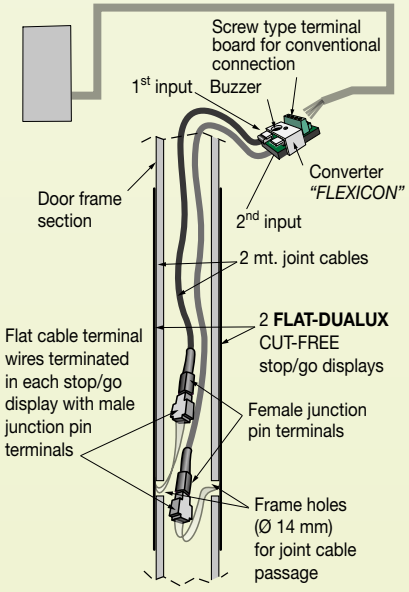
Kit 1 for one door - for example "pass box"

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



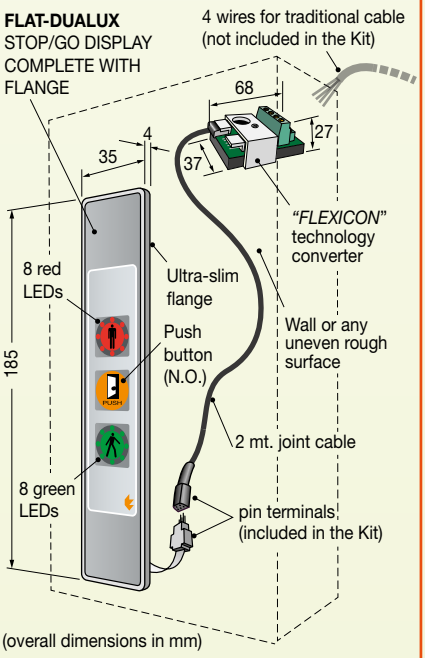
Kit 2 for one door - for example "interlocking system"

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



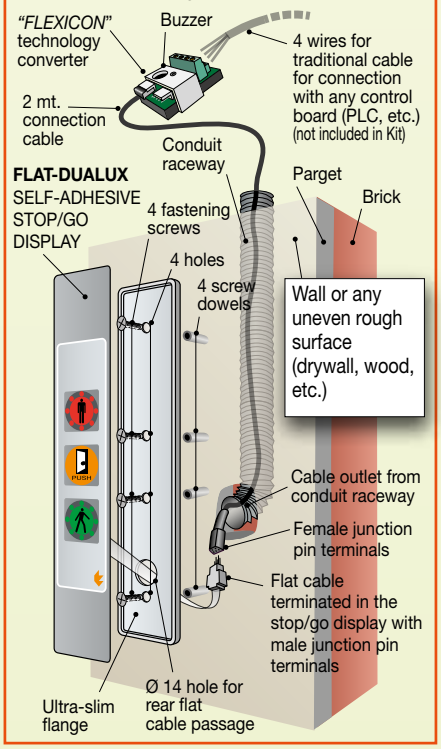
Type 7 on the "SAME PLANE"

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

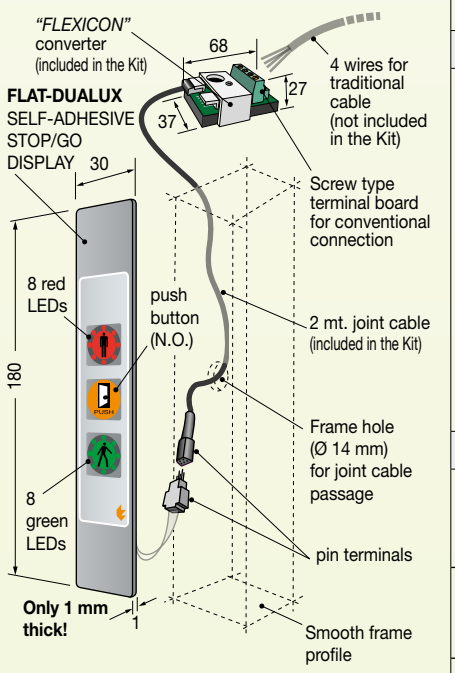
Complete with connection cable and *FLEXICON* converter for conventional wiring with screw type terminal board

Export Product-list
January 2024

TECNODIMENSIONE®

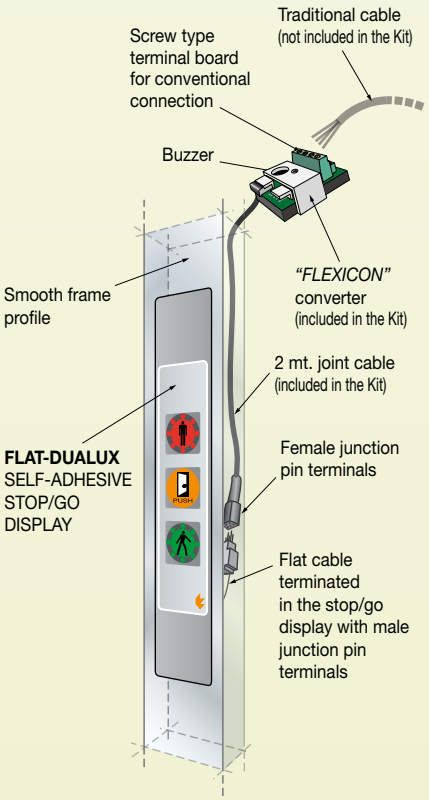
Type 6 - "FULLY ALIGNED" ultra-slim for self-adhesive installation (without frame cutting). Perfect for ultra-narrow smooth frames.

FLAT-DUALUX CUT-FREE ultra-slim with *"FLEXICON"* technology
Type 6 "fully aligned"



(overall dimensions in mm)

EXAMPLE OF "FULLY ALIGNED" APPLICATION



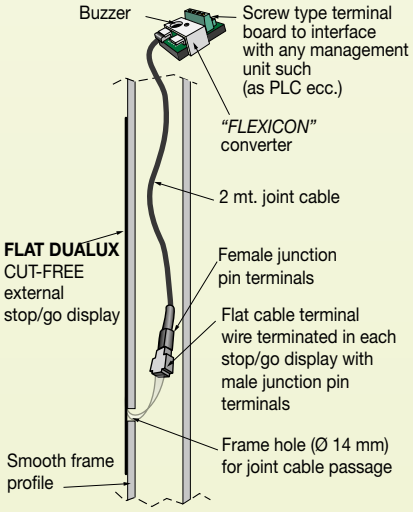
	Ordering information		Q.ty
	MODELS		**N°**
Ultra-slim stop/go group for "flush" mount Equipped with FX converter with screw-type terminal board, suitable for connections with any control unit such as PLC, microprocessor boards or conventional electronics. Its "fully-aligned" mount is almost immediate, installable on the 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 for self-adhere.			
Models for 12Vdc power supply			
Ultra-slim FLAT-DUALUX stop/go display type 6 with connection cable and converter with screw type terminal board for traditional cable connection. - 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, only1mm!) - n. 1 round joint cable (2mt long) complete with pin connection terminal - n. 1 "*FLEXICON*" converter with pin inputs and output with screw type terminal board for traditional wiring for any system. Complete with buzzer. - 12 Vdc/70 mA power supply	**034986CMF2K1** (complete Kit 1)		
Kit 2 for "interlock" type door 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 terminals - n. 1 "FLEXICON" converter with 2 pin inputs and output with screw type terminal board for traditional wiring for any system. Complete with buzzer. - 12 Vdc/140 mA power supply	**034986CMF2K2** (complete Kit 2)		
Models for 24Vdc power supply (on request)			
FLAT-DUALUX ultra-slim type 6 stop/go display, with "*FLEXICON*" 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.	**034986CMF4K1** (complete Kit 1) **0349686CMF4K2** (complete Kit 2)		

Special configurations available at extra charge
• FLAT-DUALUX stop/go display with customer's and/or customized logo (on request)
Attention! Based on the "*FLEXICON*" technology, Tecnodimensione STOP/GO displays are fitted with multi-configurable inputs/outputs that can be interfaced with any installation by means of a universal connection network and screw-type terminals

STANDARD EQUIPMENT

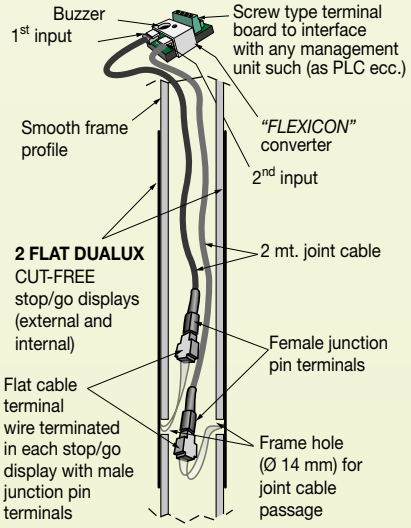
Kit 1 for one door - for example "pass box"
composed of:
- **n° 1** FLAT-DUALUX stop/go display (type 6)
- **n° 1** joint cable
- **n° 1** *"FLEXICON"* converter

Model 034986CMF2K1 (12 Vdc)
Model 034986CMF4K1 (24 Vdc)

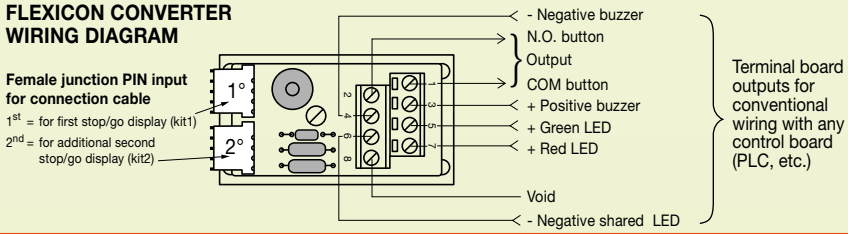


Kit 2 for "interlock" type door
composed of:
- **n° 2** FLAT-DUALUX stop/go displays (type 6)
- **n° 2** joint cables
- **n° 1** *"FLEXICON"* converter

Model 034986CMF2K2 (12 Vdc)
Model 034986CMF4K2 (24 Vdc)



FLEXICON CONVERTER WIRING DIAGRAM



INNOVATION

DRILL& GO Cut-Free®

PROFESSIONAL STOP/GO DISPLAYS
FLAT-DUALUX ultra-slim

Complete with connection cable and *FLEXICON* converter for conventional wiring with screw type terminal board

Export Product-list
January 2024

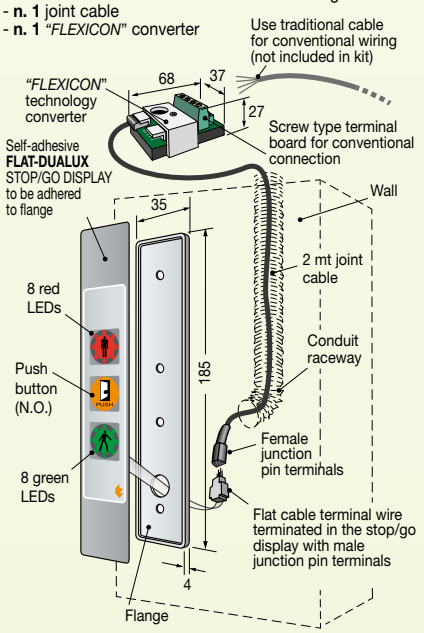
TECNODIMENSIONE®

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

Type 7 on the "SAME PLANE"

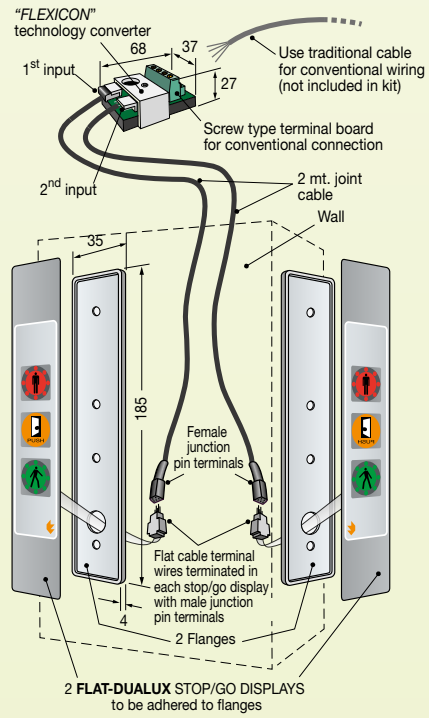
KIT 1 with support flange for wall or frame mount with uneven surfaces.

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



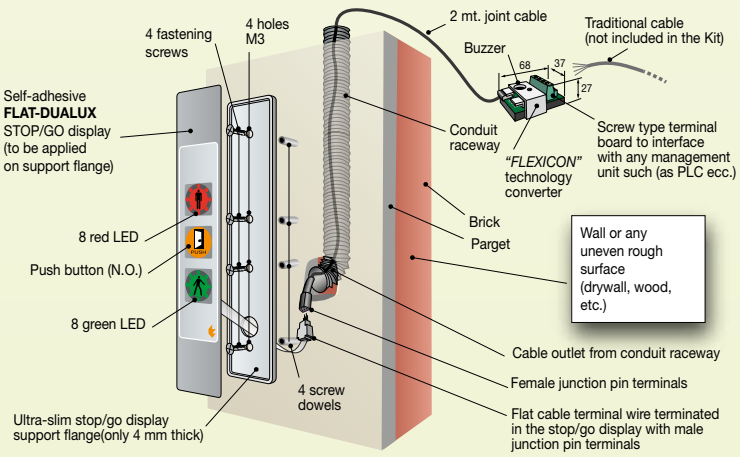
(overall dimensions in mm)

	Ordering information MODELS		Q.ty 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. Equipped with FX converter with screw-type terminal board, suitable for connections with any control unit such as PLC, microprocessor boards or conventional electronics.			
Models for 12Vdc power supply			
FLAT-DUALUX stop/go display type 7 support flange, with connection cable and converter with screw type terminal board for traditional cable connection. - 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 silver coloured anodised aluminium flange (only 4 mm thick!) - n. 1 round joint cable (2mt long) complete with pin connection terminal - n. 1 *"FLEXICON"* converter with pin inputs and output with screw type terminal board for traditional wiring for any system. Complete with buzzer. - 12 Vdc/70 mA power supply **Kit 2 for "interlock" type door composed of:** - n. 2 FLAT-DUALUX type 7 ultra-slim stop/go display with silver coloured anodised aluminium flange (only 4 mm thick!) - n. 2 round joint cable (2mt long) complete with pin connection terminal - n. 1 *"FLEXICON"* converter with pin inputs and output with screw type terminal board for traditional wiring for any system. Complete with buzzer. - 12 Vdc/140 mA power supply	**034987CMF2K1** (complete Kit 1) **034987CMF2K2** (complete Kit 2)		
Models for 24Vdc power supply (on request)			
FLAT-DUALUX ultra-slim type 7 stop/go display, with *"FLEXICON"* 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.	**034987CMF4K1** (complete Kit 1) **034987CMF4K2** (complete Kit 2)		

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

Attention! - Based on the *"FLEXICON"* technology, Tecnodimensione STOP/GO displays are fitted with multi-configurable inputs/outputs that can be interfaced with any installation by means of a universal connection network and screw-type terminals.

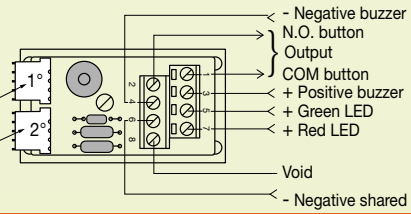
Example of FLAT-DUALUX type 7 stop/go display application complete with ultra-slim support flange for uneven surfaces



FLEXICON CONVERTER WIRING DIAGRAM

Female PIN input for joint cable

1st = for first stop/go display (Kit 1)
2nd = for additional second stop/go display (Kit 2)

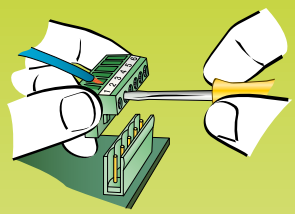


INNOVATION

Solenoid drop bolts, electrical door strikes and electromagnets

in “CLEAN COVER” case made by solid block of anodised aluminium.

with tecnology flexicon MULTIFUNCTIONAL INPUTS/OUTPUTS

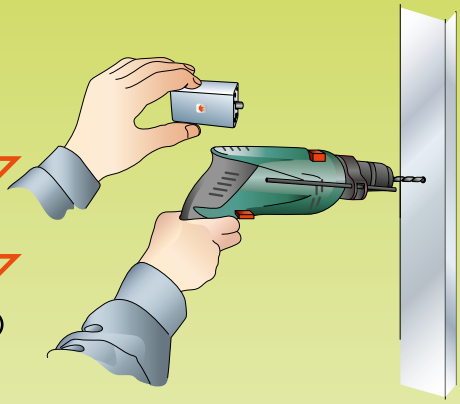


“FLEXICON” WIRING

Conventional cables systems with screw-type terminal board for medium and large section cables **for medium and long range connections.**

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.

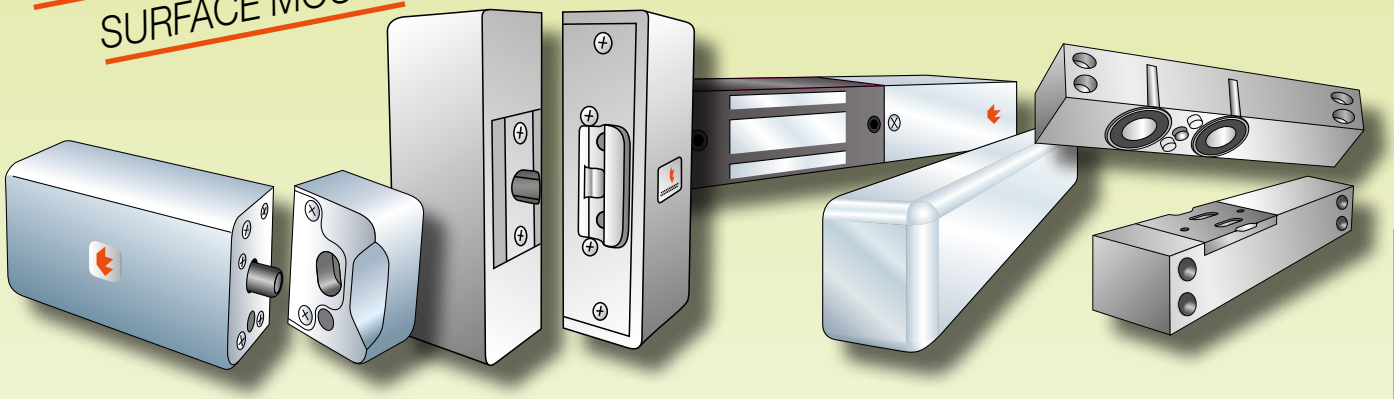
DRILL&GO® Cut-Free



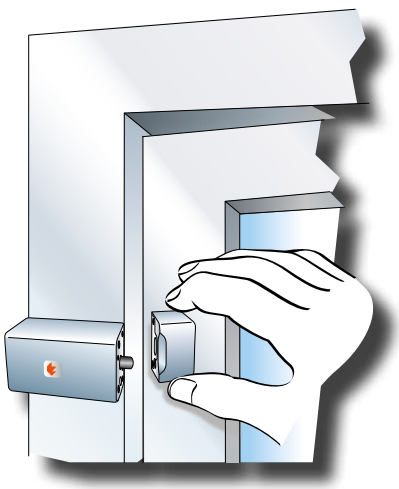
innovation

FOR EASY INSTALLATION

SURFACE MOUNT

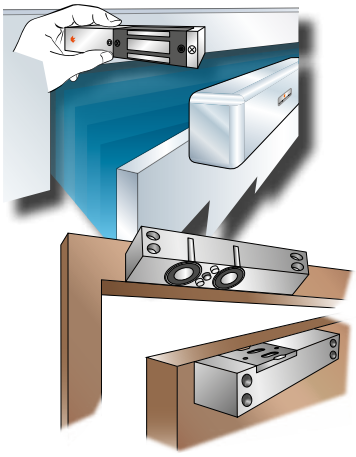


MICROREDLOCK
in *“CLEAN COVER”*
for surface-mounting



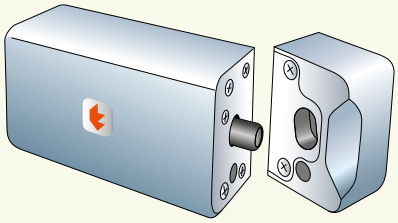
SLIM-DOORSTRIKE
in *“CLEAN COVER”*
for surface-mounting

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 surface mount

PROFESSIONAL TECNODIMENSIONE ELECTRICAL DROP BOLTS

For easy surface mount with full coverage
"CLEAN COVER" made by solid block of anodised aluminium.

One unit... for 4 different needs.

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

2nd Conventional wiring installation with screw-type terminal board = ***FLEXICON***

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**

FOR SURFACE MOUNTING

innovation

IDEAL FOR SURFACE APPLICATIONS ON "CLEAN ROOM" LOCKS.

INNOVATION

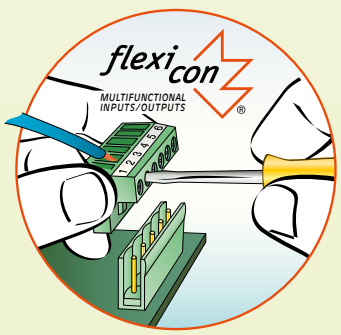
1st DRILL&GO CUT-FREE

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!**

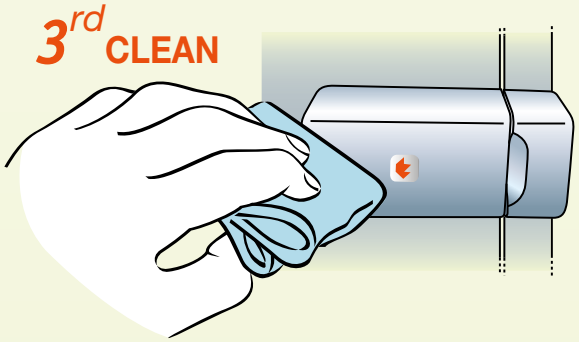
2nd flexicon

MULTIFUNCTIONAL INPUTS/OUTPUTS

Ideal for the installation on existing door frames in combination with conventional wiring systems and to be interfaced with any control unit such as PLC, microprocessor boards or conventional electronics.....
....it's ***FLEXICON!***



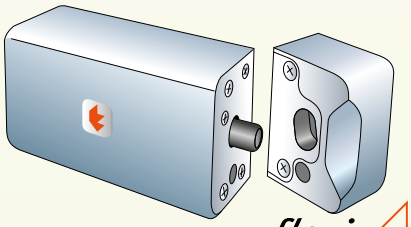
3rd CLEAN



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

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!**



flexicon
MULTIFUNCTIONAL INPUTS/OUTPUTS

UNIVERSAL ELECTRICAL DROP BOLTS

MICROREDLOCK

in *"CLEAN COVER"*

for surface-mounting

Export Product-list
January 2024

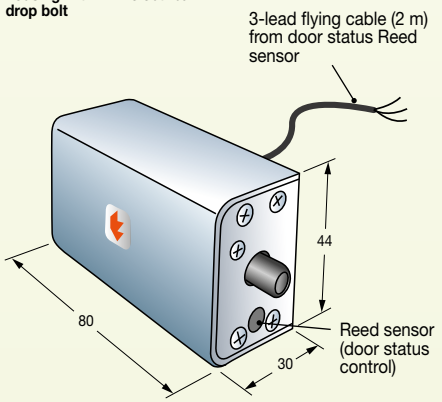
TECNODIMENSIONE®

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.

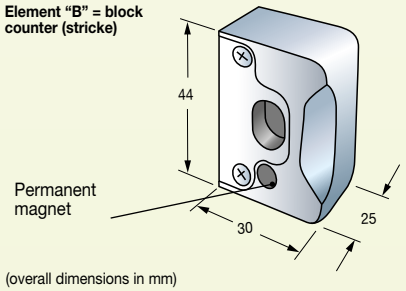
Ordering information		Q.ty
MODELS		**N°**

MICROREDLOCK
for surface mounting in protective "CLEAN COVER" housing

Element "A"= housing with mini electrical drop bolt



Element "B" = block counter (stricke)



(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 *"FLEXICON"* electrical drop bolt in *"CLEAN COVER"* case complete with 1 flying 3-lead cable 2 m long (factory pre-cabled on unit), from the door status Reed sensor + 1 screw terminal board on electrical drop bolt for power connections Protective Anticorodal, anodised and mechanically brushed aluminium *"CLEAN COVER"* made by solid block for easy installationwith 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

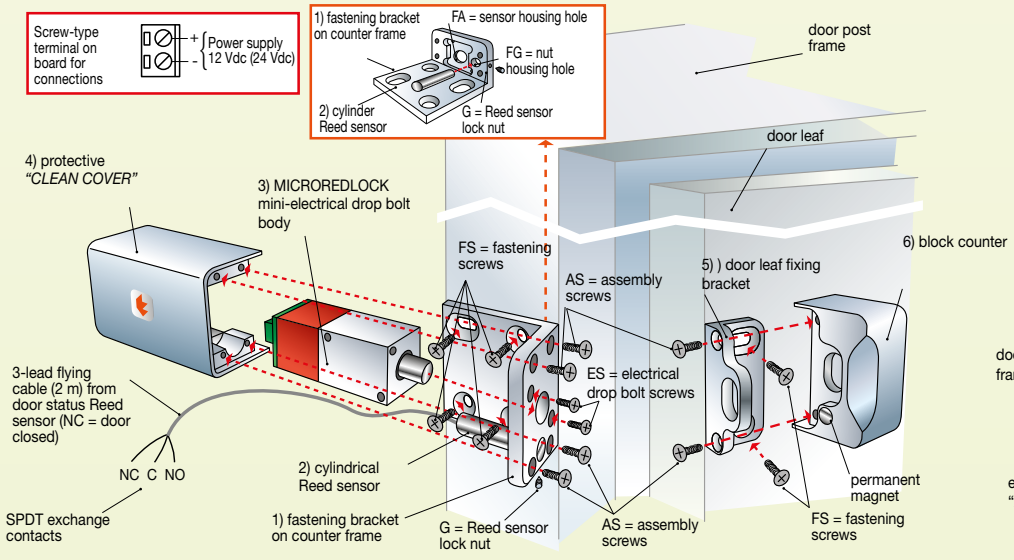
00803A2RCZM
Lh/Rh reversible

Models for 24Vdc power supply (on request)

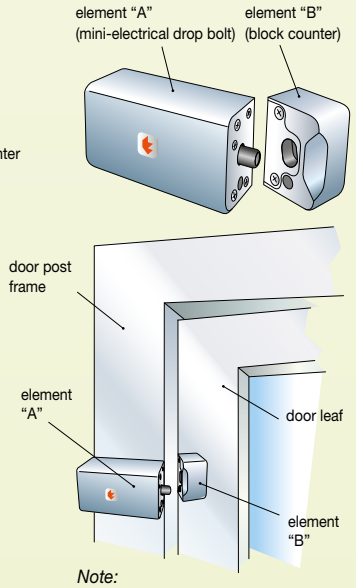
Models with 24Vdc power supply (on request)
Mini-electrical drop bolt for MICROREDLOCK *"FLEXICON"* surface mount in *"CLEAN COVER"* like above but with 24Vdc/140mA power.

00803A4RCZM

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

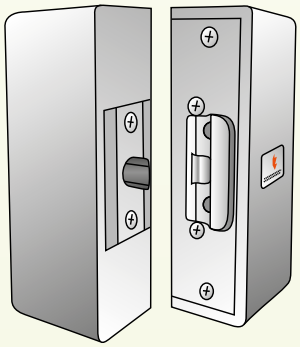
"CLEAN COVER" that includes the block counter bolt (to be secured on the door leaf)

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 surface mount

PROFESSIONAL TECNODIMENSIONE
ULTRA COMPACT ELECTRICAL DOOR STRIKE

For easy surface mount with full coverage "CLEAN COVER" made by single block of anodised aluminium.

FOR SURFACE MOUNTING

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

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

2nd Conventional wiring installation with screw-type terminal board = ***FLEXICON***

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

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**

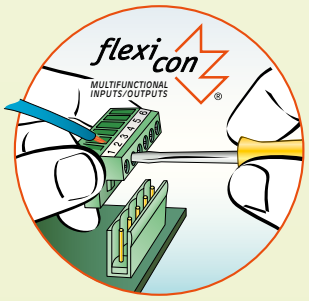
SLIM-DOORSTRIKE
housed into protective smooth *"CLEAN COVER"* (roughness-free) ... easy to clean with appropriate detergents...
... i'ts **CLEAN!**

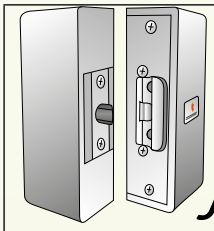
4th
FAIL-SAFE

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 flexicon MULTIFUNCTIONAL INPUTS/OUTPUTS

Ideal for the installation on existing door frames in combination with conventional wiring systems and to be interfaced with any control unit such as PLC, microprocessor boards or conventional electronics.....
....it's ***FLEXICON!***





DRILL& GO Cut-Free®

flexicon MULTIFUNCTIONAL INPUTS/OUTPUTS

ULTRA COMPACT ELECTRICAL DOOR STRIKE

SLIM-DOORSTRIKE

in *"CLEAN COVER"*

by single block for surface mount

Export Product-list
January 2024

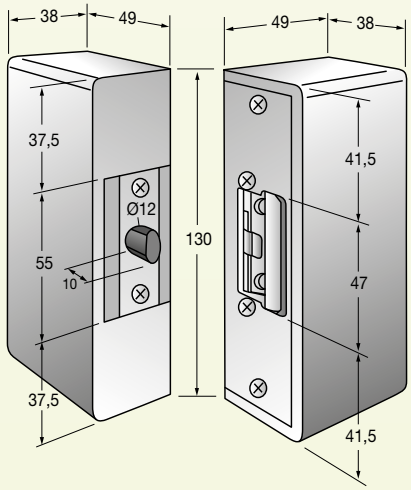
TECNODIMENSIONE®

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°**
SLIM-DOORSTRIKE for surface mounting in protective *"CLEAN COVER"* housing	Ultra compact SLIM-DOORSTRIKE *"FLEXICON"* 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 for conventional mount with "*FLEXICON*" technology and screw terminal board for conventional connection to any system, even pre-existent. SLIM-DOORSTRIKE *"FLEXICON"* electric door strike with screw-type terminal board, suitable for connections with any control unit such as PLC, microprocessor boards or conventional electronics. 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	**0158J12DCM** Lh/Rh reversible kit for pull-open doors **0158J12SCM** Lh/Rh reversible kit for push-open doors	
	Models for 24Vdc power supply (on request))		
	Electrical door strike for surface mount SLIM-DOORSTRIKE "*FLEXICON*" in "CLEAN COVER" idem c.s. like above but with 24Vdc/140mA power.	**0158J14DCM** **0158J14SCM**	

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

Element "B"= CLEANCOVER housing with door strike



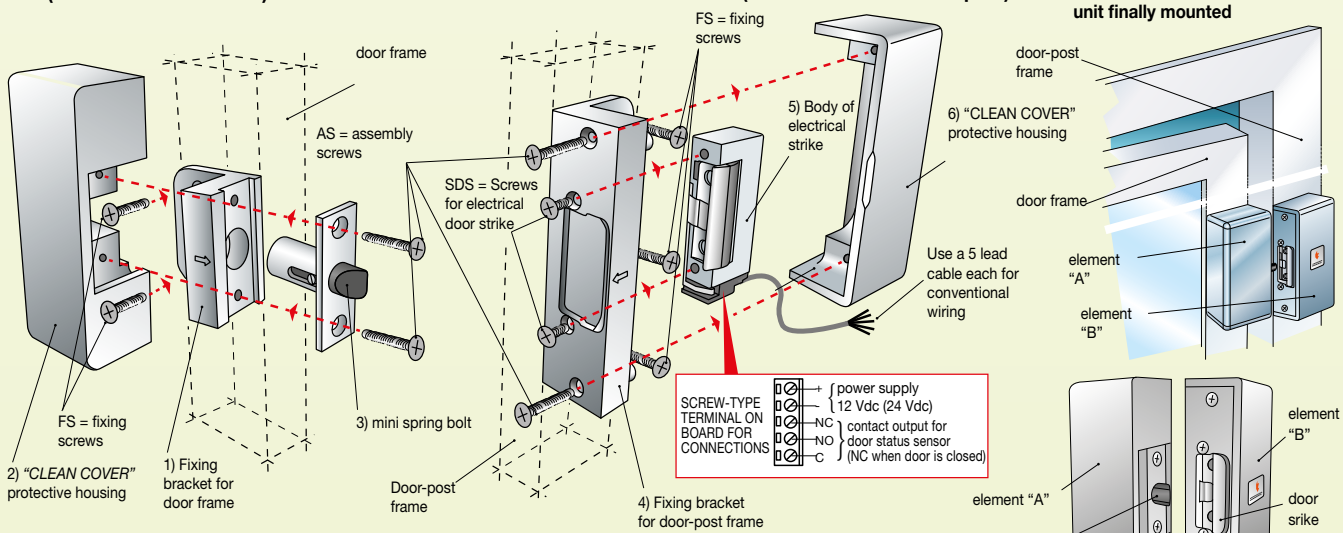
(overall dimensions in mm)

SLIM-DOORSTRIKE *"FLEXICON"* 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".

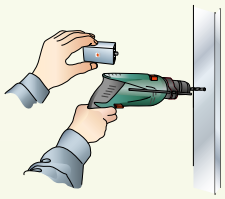
- Functional purposes: "Fail-Safe" automatic anti-panic and crush safe.

- 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.

MINI ELECTROMAGNETS MULTIPURPOSE

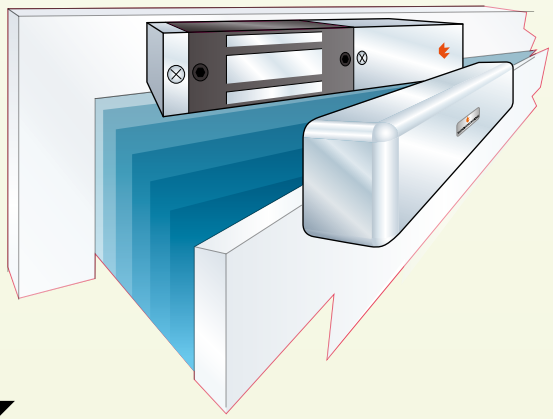
DRILL& GO Cut-Free



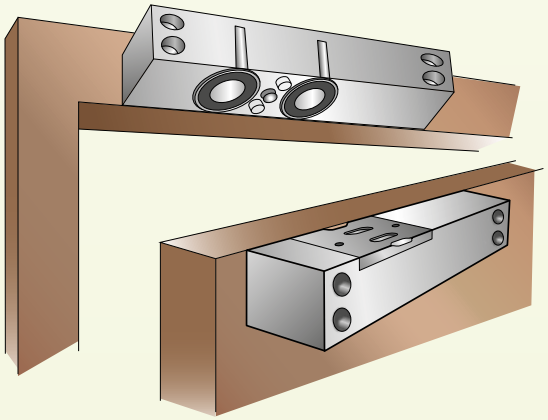
2 types available

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).

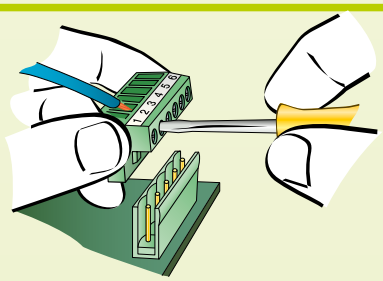
SHEAR LOCKING

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)

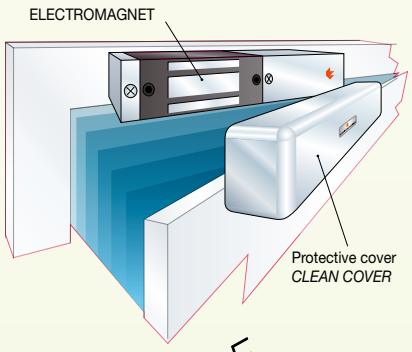
with tecnology flexicon MULTIFUNCTIONAL INPUTS/OUTPUTS



"FLEXICON" WIRING

Conventional cables systems with screw-type terminal board for medium and large section cables **for medium and long range connections.**

INNOVATION



SLIM-MINISENTRYLOCK
in *"CLEAN COVER"*

TECNODIMENSIONE PROFESSIONAL ELECTROMAGNETS

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

FOR SURFACE MOUNTING

One unit... for 4 different needs.

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

2nd Conventional wiring installation with screw-type terminal board = ***"FLEXICON"***

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

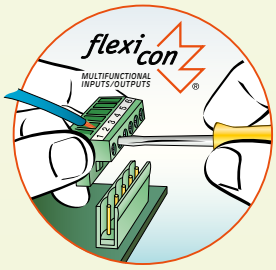
IDEAL FOR SURFACE APPLICATIONS ON "CLEAN ROOM" LOCKS.

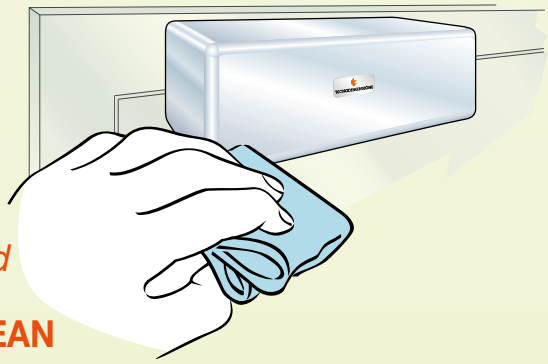
1st DRILL&GO CUT-FREE

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 flexicon
MULTIFUNCTIONAL INPUTS/OUTPUTS

Ideal for the installation on existing door frames in combination with conventional wiring systems and to be interfaced with any control unit such as PLC, microprocessor boards or conventional electronics.....
....it's ***FLEXICON!***



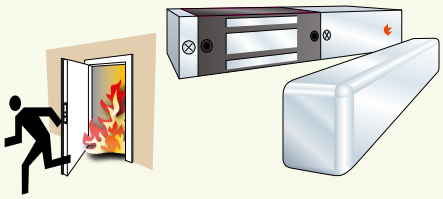


3rd CLEAN

SLIM-MINISENTRYLOCK
housed into protective smooth **"CLEANCOVER"** (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...
... it's **FAIL-SAFE!**



Automatic panic release and crash bar. In case of fire, when there is no power, it automatically releases, freeing the exit...it's FAIL-SAFE!

PROFESSIONAL MINI ELECTROMAGNETS
SLIM-MINISENTRYLOCK
in "CLEAN COVER"
Eletromagnetic crush-safe lock

Export Product-list
January 2024

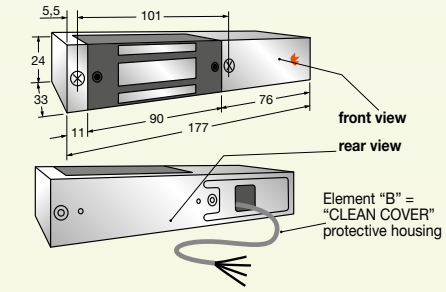
TECNODINAMENSIONE®

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.

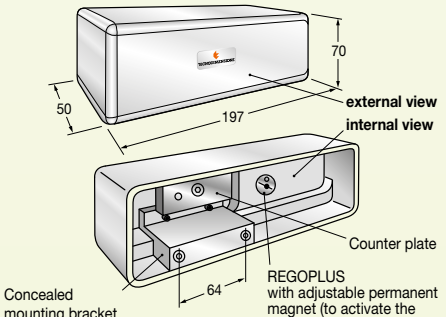
Ordering information		Q.ty
MODELS		**N°**

SLIM- MINISENTRYLOCK *"FLEXICON"*
for surface mounting in protective "CLEAN COVER" housing

Element "A" = body of electromagnet



Element "B" = *"CLEAN COVER"* protective housing

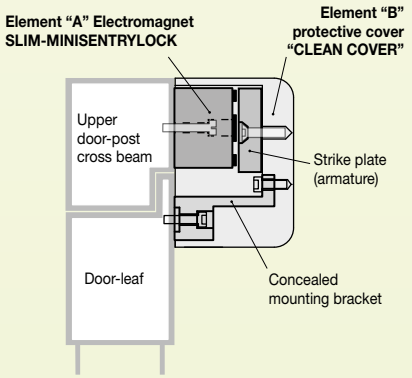


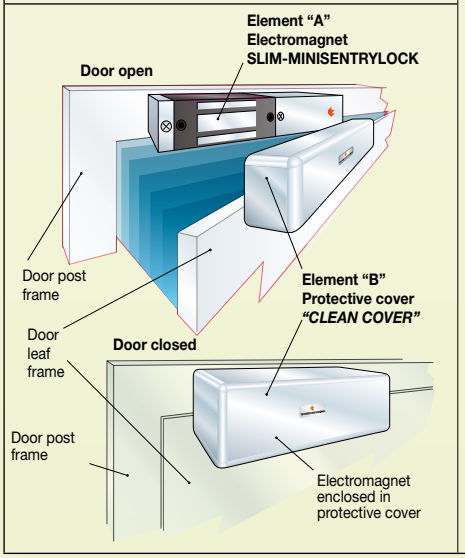
(overall dimensions in mm)

Ultra compact mini electromagnet SLIM-MINISENTRYLOCK *"FLEXICON"* 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			
SLIM-MINISENTRYLOCK *"FLEXICON"* 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 unit can be interfaced with any control unit such as PLC, microprocessor boards or conventional electronics 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 197x70x50mm - Weight Kg 1.55	**0020804A2UM**		
Models for 24 Vdc power supply			
SLIM-MINISENTRYLOCK *"FLEXICON"* electromagnet as above but for a 24 V DC /50 mA power supply	**0020804A4UM**		

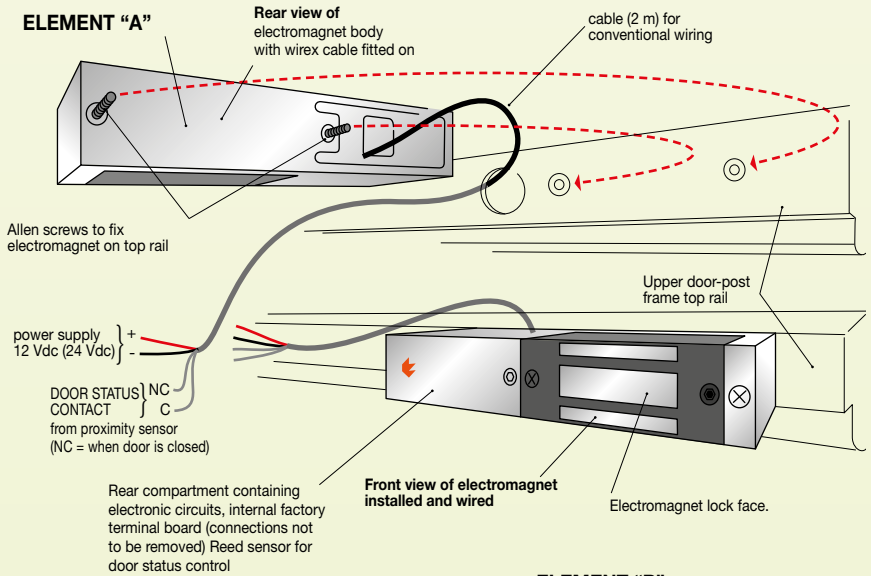
CROSS SECTION VIEW



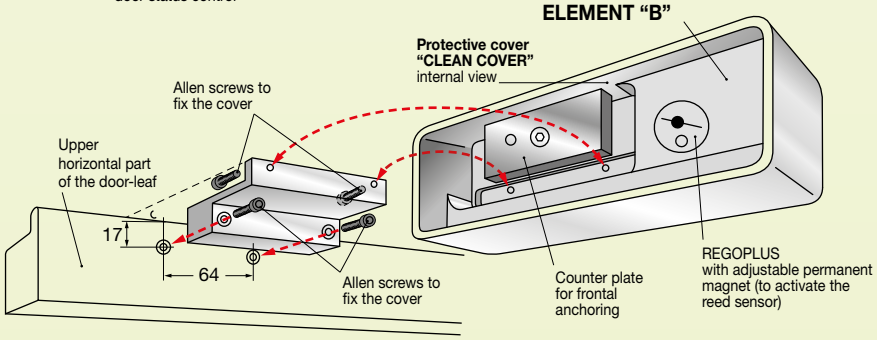


EXAMPLES OF WIREX FAST CONNECTING CABLES FOR *"FLEXICON"* MODELS

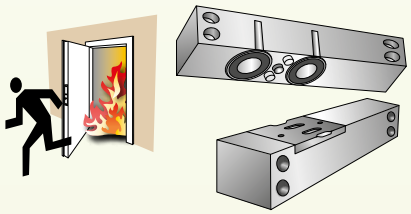
ELEMENT "A"



ELEMENT "B"



INNOVATION



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

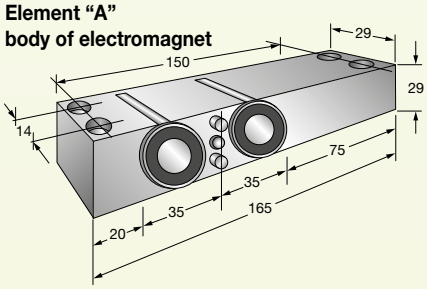
TECNODINAMICA®

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.

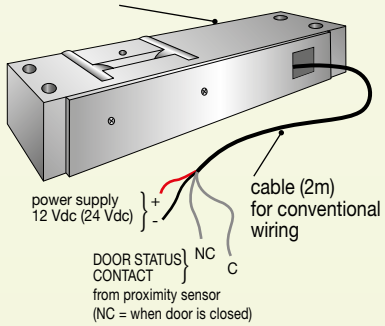
	Ordering information		Q.ty
	MODELS		**N°**
Ultra compact mini electromagnet **SLIM-MINISENTRYLOCK** en cased in protective "smooth" (roughness-free) and easy to clean case. Manageable and easy to install on door surfaces without any need to drill and/or cut door frames = DRILL&GO.			
Models for 12 Vdc 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**		

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

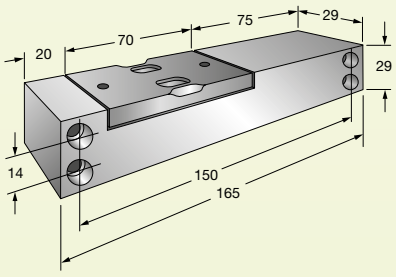
Element "A"
body of electromagnet



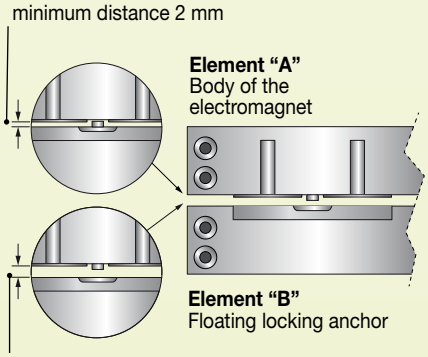
Element "A"
Body of electromagnet:
rear view cable fitted



Element "B"
Floating locking anchor



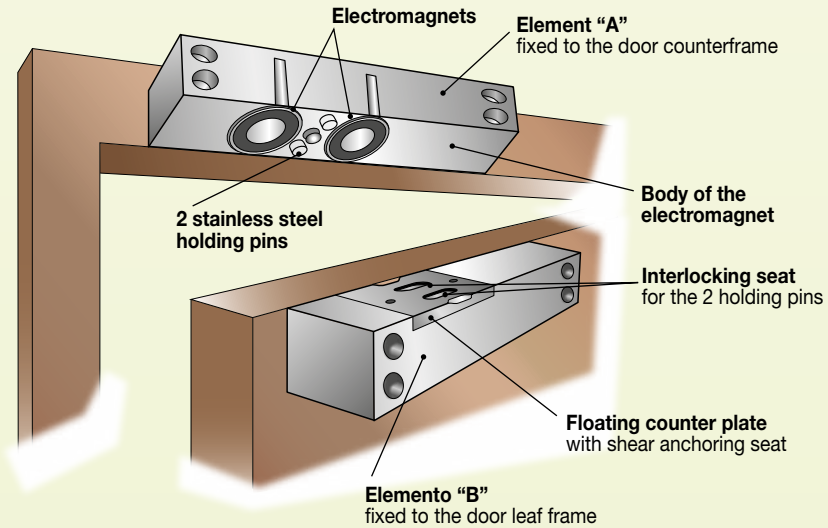
minimum distance 2 mm

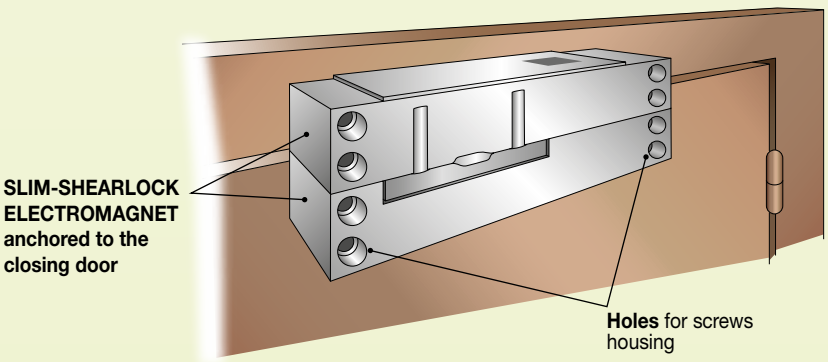


maximum distance 5 mm

(dimensions in mm)

EXAMPLES OF CONNECTING ELECTROMAGNET SLIM-SHEARLOCK

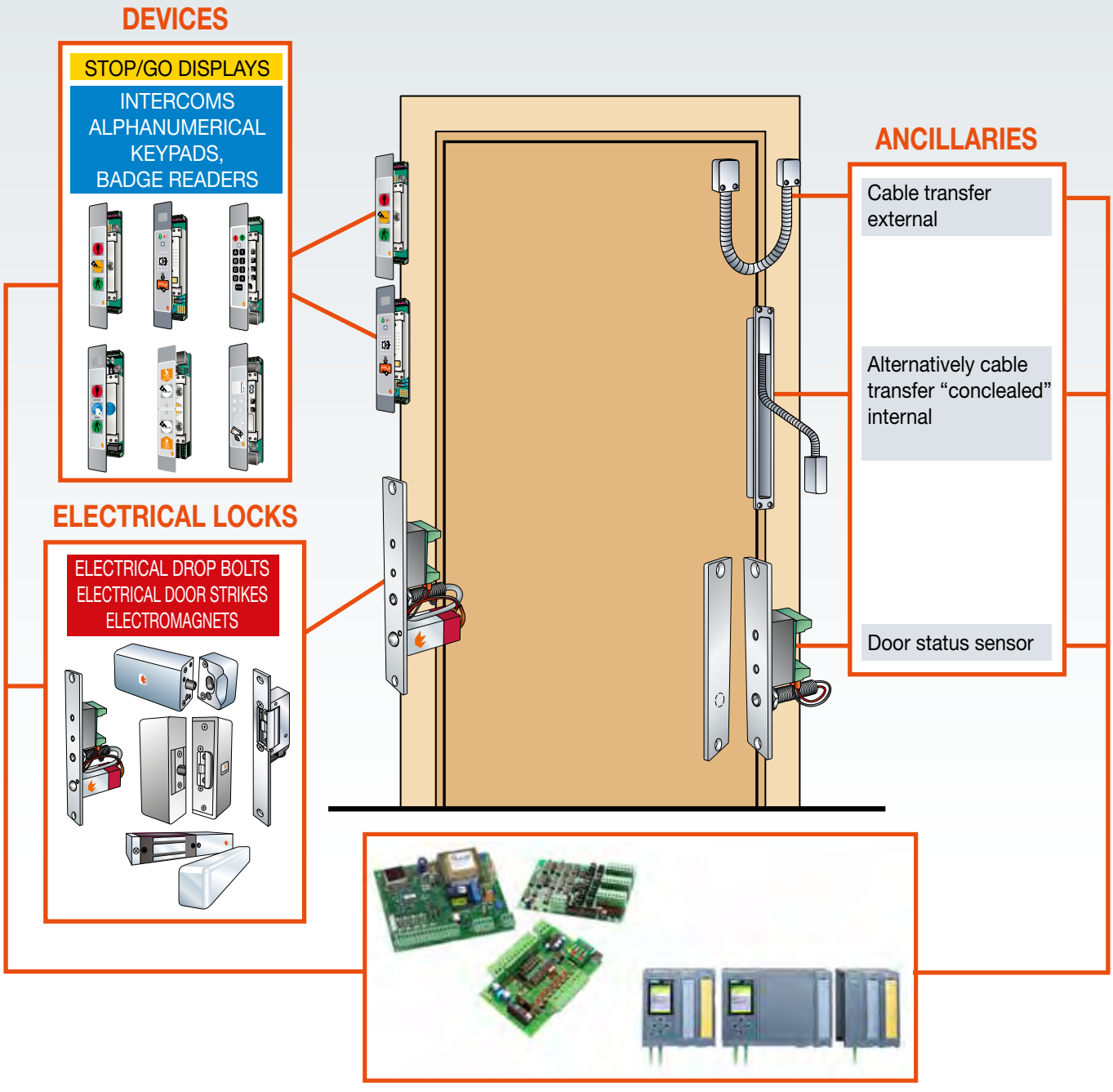




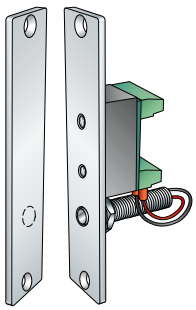
ACCESSORIES

TECNODIMENSIONE PROFESSIONAL ANCILLARIES FOR INSTALLATION

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



TECNODIMENSIONE
security with style



PROFESSIONAL PROXIMITY SENSORS TO MONITOR DOOR STATUS

SLIM-PROXY

MAGNETIC REED SENSOR

with screw-type terminal board for conventional cabling

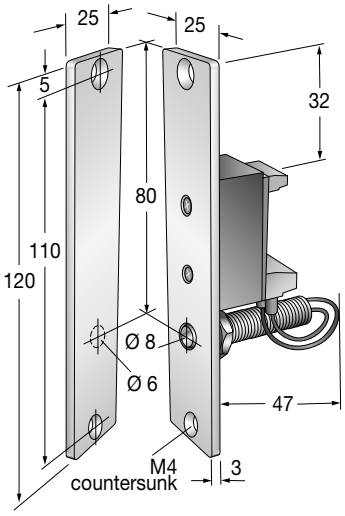
Export Product-list
January 2024

TECNODIMENSIONE®

Magnetic Reed sensor complete with flange and counterflange in anodised aluminium with “silver” finish for flush mounting.

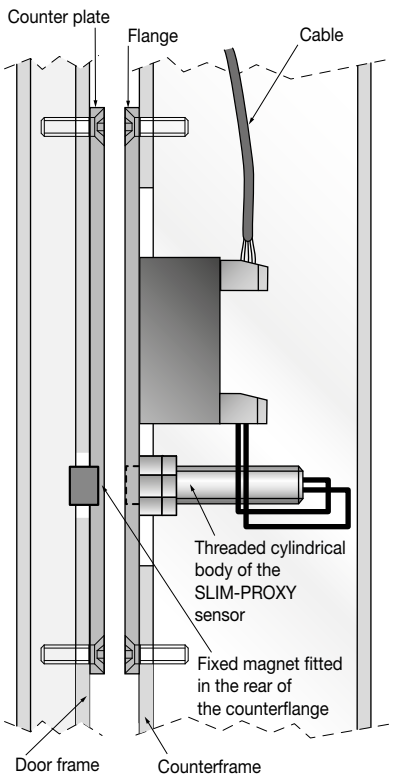
Ordering information		Q.ty
MODELS		**N°**
Recessed proximity sensor for control shutting of door. Reed with large magnet, also for iron doors (to be installed on upper part of door to control the “aligned door” status).		
Models for 12 Vdc power supply		
Reed sensor for fitting SLIM-PROXY with screw-on terminal with conventional cabling for any system for controlling door shutting (adjustable on the axis). SPDT switching output contacts (dry) capacity 0.9/12V Fitted with flange and counterflange in anodised aluminium with “silver” finish and high flow magnet built-in on the rear of the reference counterflange.	**032111MF**	

SLIM-PROXY
For recess mounting

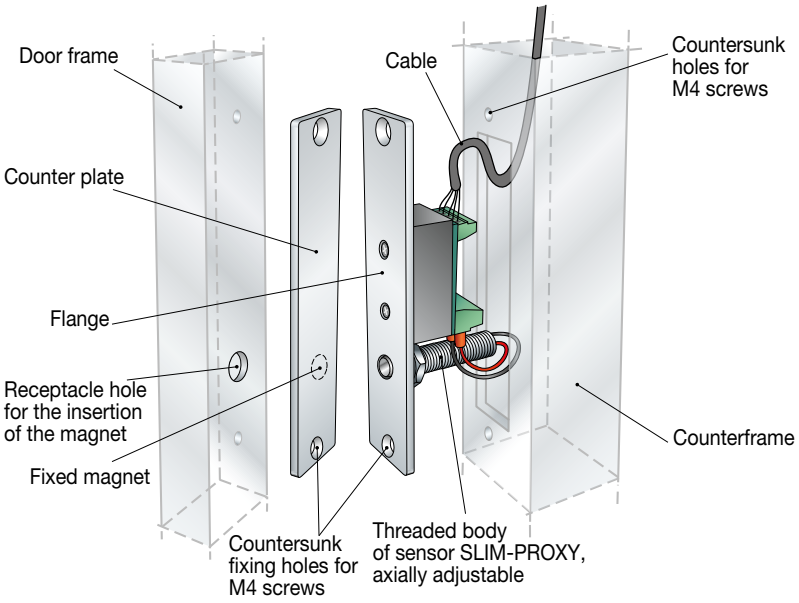


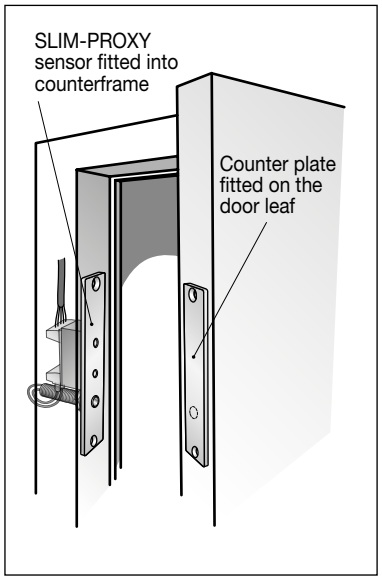
(overall dimensions in mm)

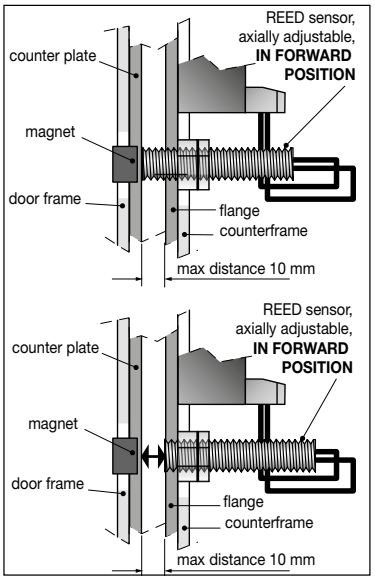
EXAMPLE OF IMMEDIATE ASSEMBLY



EXAMPLE OF CONNECTING THE SLIM-PROXY PROXIMITY SENSOR







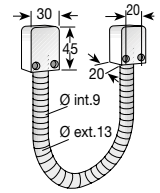
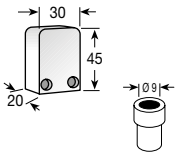
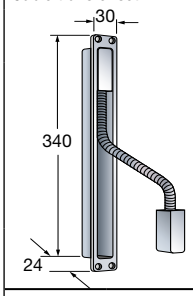
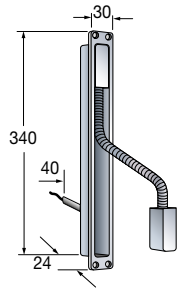
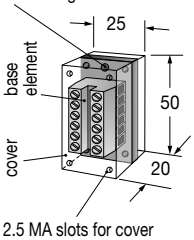
ACCESSORIES

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

TECNODINAMENSIONE®

		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**		
Medium M terminal Medium M ferrule 	**ANCILLARIES FOR FLEXIBLE PROTECTIVE CABLE CONDUIT "IN BULK"**				
	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

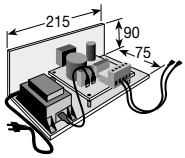
Export Product-list
January 2024

TECNODIMENSIONE®

POWER UNITS WITH BUILT-IN BATTERY CHARGER

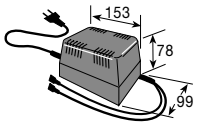
All the types are equipped with special protections:

- 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 when normal situation is restored)
- complete with 1,5mt long cable with europlug for 230Vac/50÷60Hz mains.

		Ordering information		Q.ty
		MODELS		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).			

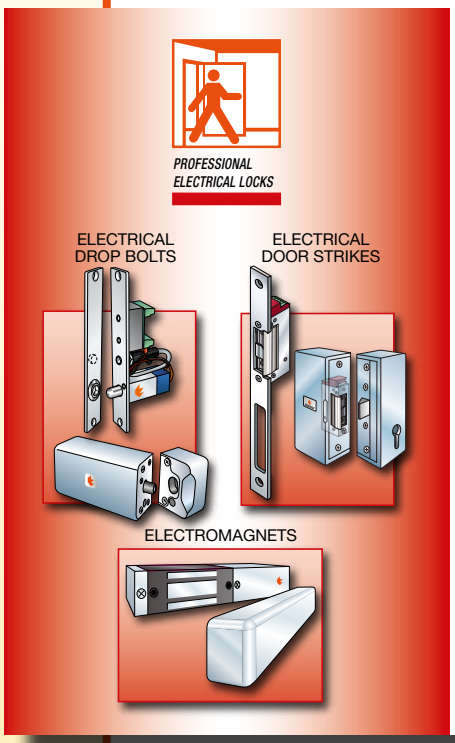
STABILIZED POWER UNITS (without battery charger)

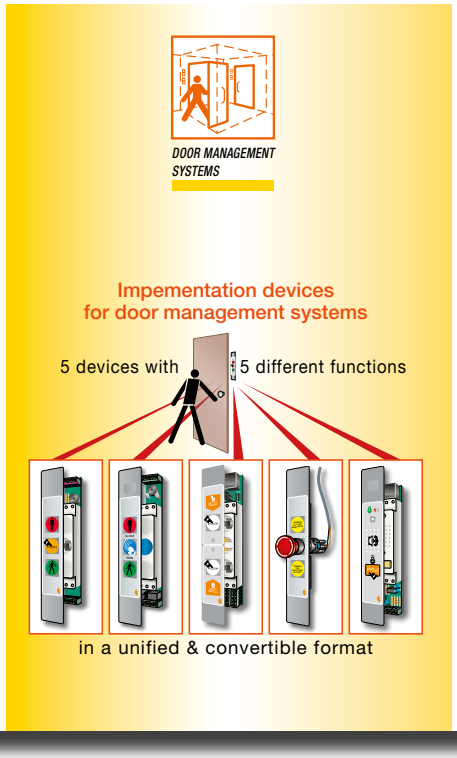
- Fitted with a PTC protection device against short-circuits.

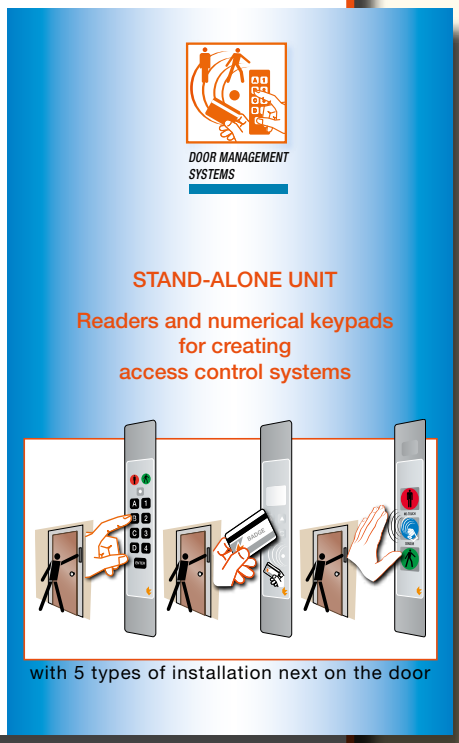
MICRO-POWERBLOCK 	Housed into a black plastic compact box for wall mounting (or desktop). Complete with 1,5 mt cable equipped with euro plug for 230Vac/50÷60 Hz. Output cable for 12Vdc equipped with “faston” terminals.			
	Stabilized power supply unit with PTC protection. For 230Vac/50÷60 Hz mains - 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

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