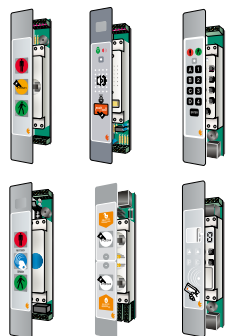# PROFESSIONAL ANCILLARIES FOR INSTALLATION

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

DEVICES
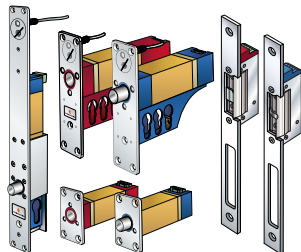
STOP/GO DISPLAYS

INTERCOMS ALPHANUMERICAL KEYPADS, BADGE READERS

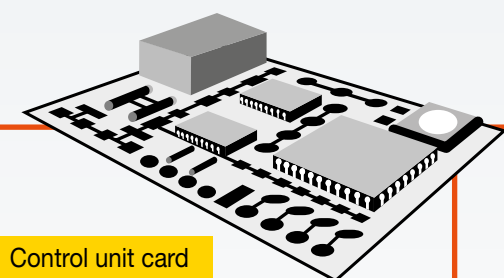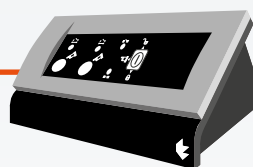### ELECTRICAL LOCKS

ELECTRICAL DROP BOLTS

ANCILLARIES

Cable transfer external

Alternatively cable transfer "concealed" internal
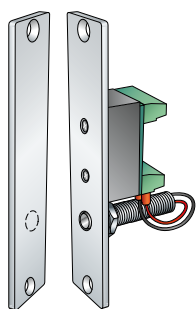
Door status sensor

Control unit card

Push-button control unit

TECNODIMENSIONE
security with style

ANCILLARIES FOR INSTALLATION

PROFESSIONAL PROXIMITY SENSORS
TO MONITOR DOOR STATUS
SLIM-PROXY
MAGNETIC REED SENSOR
with screw-type terminal board for conventional cabling

Magnetic Reed sensor complete with flange and counterflange in anodised aluminium with "silver" finish for flush mounting.
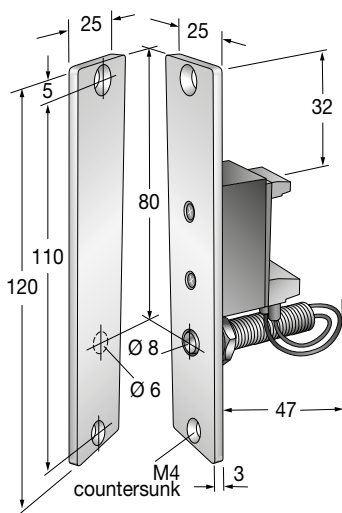
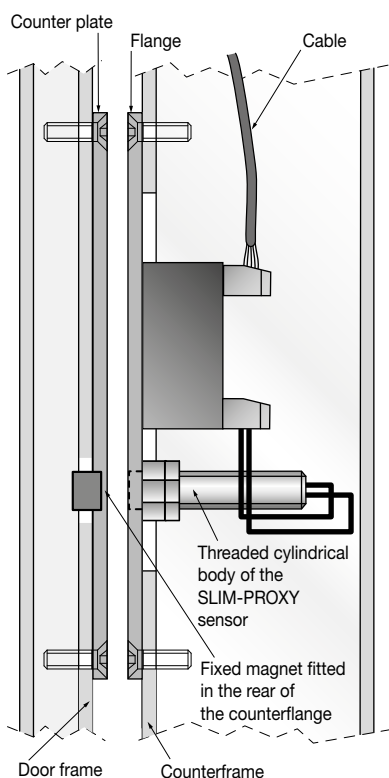| Ordering information			
			Q.ty
MODELS			**N°**

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).

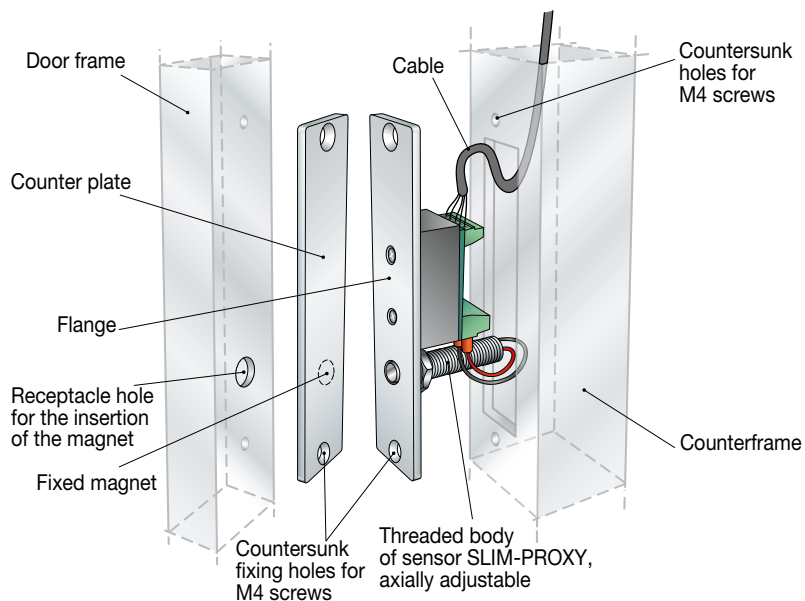### Models for 12 Vdc power supply

Reed sensor for fitting SLIM-PROXY with screw-on terminal with conventional cabling for any system for controlling door shutting (adjustable on the axis).	**032111MF**

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.
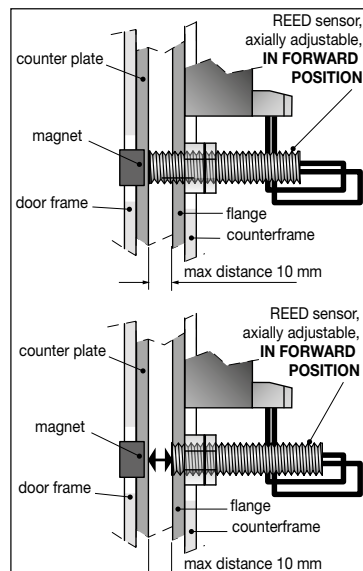
SLIM-PROXY
For recess mounting

25 25
5
32
80
110
120
Ø 8
Ø 6
47
M4 countersunk 3

(overall dimensions in mm)

EXAMPLE OF IMMEDIATE ASSEMBLY

Counter plate
Flange
Cable
Threaded cylindrical body of the SLIM-PROXY sensor
Fixed magnet fitted in the rear of the counterflange
Door frame
Counterframe
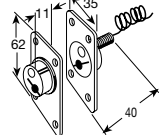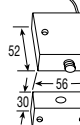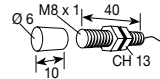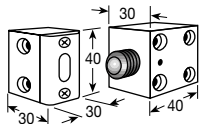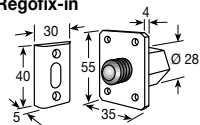
EXAMPLE OF CONNECTING THE SLIM-PROXY PROXIMITY SENSOR

Door frame
Cable
Countersunk holes for M4 screws
Counter plate
Flange
Receptacle hole for the insertion of the magnet
Fixed magnet
Counterframe
Countersunk fixing holes for M4 screws
Threaded body of sensor SLIM-PROXY, axially adjustable
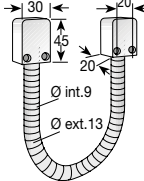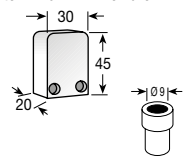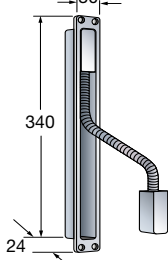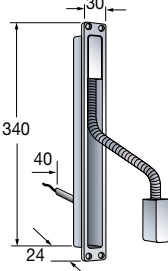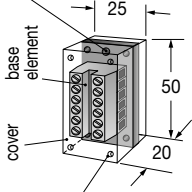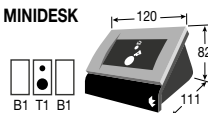
SLIM-PROXY sensor fitted into counterframe
Counter plate fitted on the door leaf
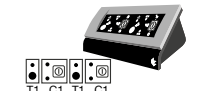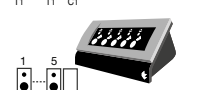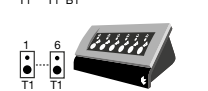
REED sensor, axially adjustable, **IN FORWARD POSITION**
counter plate
magnet
door frame
flange
counterframe
max distance 10 mm

REED sensor, axially adjustable, **IN FORWARD POSITION**
counter plate
magnet
door frame
flange
counterframe
max distance 10 mm

ACCESSORIES

ANCILLARIES FOR INSTALLATION

PROFESSIONAL PROXIMITY SENSORS TO MONITOR DOOR STATUS

REGOPLUS® & PROXY SENSORS
WITH "HIGH FLOW" MAGNETIC REED CONTACTS

Proximity reed sensors with high flow magnet to control doors of any type, either timber, aluminium frame and "all iron-made" types too. (To be installed in the door frame to "see" when the door is going into the frame-post.

Ordering information

		SERIES	MODELS		Q.ty N°
REGOPLUS	**Door monitoring proximity contact for flush mounting,** set composed of 2 cromium-coated brass face-plate adapter to be fitted into the frame of the door, with buitl-in reed sensor assembled on special adjustable "Regoplus" device for micrometric setting up to 13mm shifting on 360° rotation. Changeover SPDT dry contacts output 0,9A/12Vdc rated, complete with 3 wires cable 2 mt long.	REGOPLUS®	032111DF3		
PROXY	**Door monitoring proximity contact for surface mounting,** set composed of anodized aluminium solid block that includes threaded cylindrical proximity sensor axially adjustable to be adapted to the frame/door distance. Changeover SPDT dry contacts 0,9A/12Vdc rated, complete with 3 wires cable 2 mt long.	PROXY	0020705D		
"SEMPLIFIED" execution	**Door monitoring proximity contact nickel plated brass,** "threaded cylindrical " execution complete with locknuts. Changeover SPDT dry contacts 0,9A/12Vdc rated, complete with 3 wires cable 2 mt long.		032111		

SNAP-IN RETAINERS/POSITIONING DEVICE FOR DOOR CLOSING

REGOFIX THE MECHANICAL DOOR FIXING DEVICE
Adjustable model with compressing ball and a high progressive force. Ideal for doors, gates and frequently used residential and industrial front doors that could fail to close properly due to pressure applied to the leaf surface.

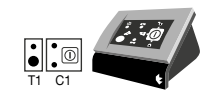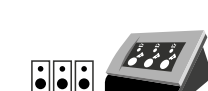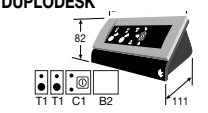|					
Regofix	**Snap-in retainer/positioning device for the application on surfaces** Complete kit that includes a positioning ball in tempered steel with compression spring, designed to be precisely adjusted axially, fitted on an Anticorodal anodised machined aluminium monobloc with silver finish" = F for the application on surfaces. The kit includes a reference block designed to be applied on surfaces in Anticorodal anodised machined aluminium F with stop in chromium-plated steel and seat for the retraction and pointing of the positioning ball.		004915AF		
Regofix-in	**Snap-in retainer/positioning device for applied configurations** kit with positioning ball in tempered steel as above, but fitted on a chromium-plated brass flange for recess-mounting. The kit includes a reference flange for recess-mounting in chromium-plated steel with a slot for the retraction and pointing of the positioning ball.		004915G		

ACCESSORIES
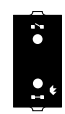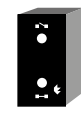
PROFESSIONAL ANCILLARIES FOR CABLE TRANSFER ELECTRICAL WIRING ARRANGEMENT

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

Export Product-list
January 2024

TECNODIMENSIONE®

Ordering information

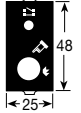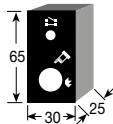|		SERIES	MODELS		Q.ty N°

MEDICABLEX

CABLEX EXTERNAL EXPOSED "TEAR-PROOF" EXECUTION

		SERIES	MODELS		
	"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

		SERIES	MODELS		
	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

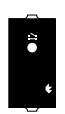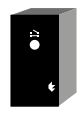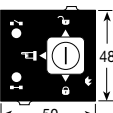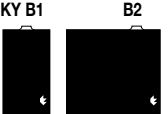|		SERIES	MODELS		
	"SENSORIZED" TYPE with built-in inacessible proximity reed sensor, for "secret" door monitoring (door open/closed).				
	"Concealed" cable transfer protective set composed of 1 stainless steel flexible spring conduit 180mm long (extensible up to 25% more for door arrangement) internal 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

base element

cover

2.5 MA slots for cover fixing screws on base

DUAL-TERMINALS tri-modular with Flexicon technology
With screw-type terminals for conventional cables

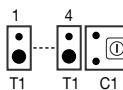|			MODELS		
	1-module DUAL-TERMINALS element with 6 input and 6 mirrored output terminals. Ideal for orderly grouping and compacting of all incoming and outgoing system wires in a single terminal box. Furthermore, specific slots let you professionally add on diodes, resistances, etc., when needed, by 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		

ACCESSORIES

BRICKYDESK — DESKTOP CONSOLES FOR DOORS MANAGEMENT

TECNODIMENSIONE®

TECHNICAL CHARACTERISTICS

Multipurpose consoles for desktop use or convertible (up side-down) into wall mounting panel-stand. Shock-proof plastic housing with metallic front plate

Ordering information

	N°.... OF DOORS TO BE MANAGED	N°... DOOR PUSH-BUTTONS with N.O. contact → N.C. (pushing the button)	EXTENDABLE UP TO N° .... of doors	N° ... OF BLIND UNITS for future extensions	OPERATING VOLTAGE Vdc	POWER CONSUMPTION mA	N°.... OF VISUAL INDICATORS G/R = 1 LED green/red bifunc. G = 1 LED green R = 1 LED red Y = 1 LED yellow (by request)	N°.... OF KEY SELECTORS "C" 3 release positions (for example lock/unlock) etc.	MODELS		Q.ty N°
MINIDESK 120 / 82 / 111 — B1 T1 B1	1	1T	3	2	12V	15	1 V/R	---	034753T1B2		
T1 C1	1	1T	---	---	12V	30	1V/R + 1V + 1R	1C	034753T1C1		
T1 T1 B1	2	2T	3	1	12V	30	2 V/R	---	034753T2B1		
T1 T1 T1	3	3T	---	---	12V	45	3 V/R	---	034753T3		
B1 C1	1	---	1	1	12V	30	1V + 1R	1C	034753C1B1		

ACCESSORIES (optional) For the consoles listed			
Phone receiver independent PH (separate) table and/or wall intercom handset.	S034858F		
Microtimer module for temporized (5 sec or 10 sec) opening command for one door equipped with low-consumption door striked or any Tecnodimensione electrical bolt (excluded Maxilock). The Microtimer should be placed inside into any of above consoles, as many you need to control up to 4 doors maximum.	035902.... x n°..... uno per ciascuna porta		

DUPLODESK — DESKTOP CONSOLES FOR DOORS MANAGEMENT
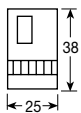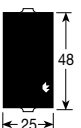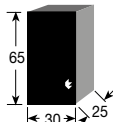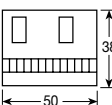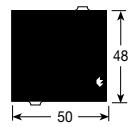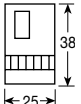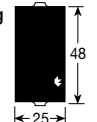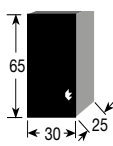
	N°.... OF DOORS TO BE MANAGED	N°... DOOR PUSH-BUTTONS	EXTENDABLE UP TO	N° ... OF BLIND UNITS	OPERATING VOLTAGE Vdc	POWER CONSUMPTION mA	N°.... OF VISUAL INDICATORS	N°.... OF KEY SELECTORS "C"	MODELS		Q.ty N°
DUPLODESK 82 / 111 — T1 T1 C1 B2	2	2T	4	2	12V	45	2V/R + 1V + 1R	1C	034756T2C1B		
T1 C1 T1 C1	2	2T	---	1	12V	60	2V/R + 2V + 2R	2C	034756T2C2		
T1 T1 T1 C1 B1	3	3T	4	1	12V	60	3 V/R + 1V + 1R	1C	034756T3C1B		
1...4 T1 T1 C1	4	4T	---	---	12V	75	4V/R + 1V + 1R	1C	034756T4C1		
1...5 T1 T1 B1	5	5T	6	1	12V	75	5V/R	---	034756T5B1		
1...6 T1 T1	6	6T	---	---	12V	90	6V/R	---	034756T6		

ACCESSORIES (optional) For the consoles listed			
Phone receiver independent PH (separate) table and/or wall intercom handset.	S034858F		
Microtimer module for temporized (5 sec or 10 sec) opening command for one door equipped with low-consumption door striked or any Tecnodimensione electrical bolt (excluded Maxilock). The Microtimer should be placed inside into any of above consoles, as many you need to control up to 4 doors maximum.	035902.... x n°.... uno per ciascuna porta		

Note : In addition to the listed models, by request several others combined consoles should be realized "as mosaic-work" using BRICKY units B1 ☐ or ☐ B2 (blind) or, ⦁ S1 ⦙ S2 with Leds, or ⦙ T1 with push-button, or ⦙◎ C1 with key-selector, and so on (see the specific sheet "BRICKY).

ACCESSORIES

BRICKY FREELY ASSEMBLYING MODULES TO PERFORM DESKTOP AND RACK CONSOLES

TECHNICAL CHARACTERISTICS
Multifunctional modules freely combined "as mosaic-work". Complete with print circuit equipped with screw terminals for fast wiring connection.

Ordering information

	SINGLE UNIT MODULE	DOUBLE UNIT MODULE	"BLIND" MODULE (multipurpose)	FOR FLUSH MOUNTING into frame	SURFACE MOUNTING with black alluminum housing	OPERATING VOLTAGE Vdc	POWER CONSUMPTION mA	COMMAND PUSH BUTTON "T" with N.O. correct → N.C. (pushing the button) 1A/12V rated	VISUAL INDICATORS G/R = 1 led bifunctional G = 1 led green R = 1 led red Y = 1 led yellow (by request)	KEY SELECTOR "C" with 3 release positions	BUZZER	MODELS		Q.ty N°
BRICKY T1	●	---	---	●	---	12V	15	1T	1 V/R	---	---	**034753T1**		
BRICKY T1A	●	---	---	---	●	12V	15	1T	1 V/R	---	---	**034753T1A**		
BRICKY S2	●	---	---	●	---	12V	15	---	1V + 1R	---	---	**034753S2**		
BRICKY S2A	●	---	---	---	●	12V	30	---	1V + 1R	---	---	**034753S2A**		
BRICKY S1	●	---	---	●	---	12V	15	---	1 V/R	---	---	**034753S1**		
BRICKY S1A	●	---	---	---	●	12V	15	---	1 V/R	---	---	**034753S1A**		
BRICKY C1	---	●	---	●	---	12V	30	---	1V + 1R	1C	●	**034753C1**		
	---	●	---	●	---	12V	30	---	1V + 1R	1C	---	**034753C1Y**		
BRICKY B1 B2	●	---	●	●	---	---	---	---	---	---	---	**034753B1**		
	---	●	●	●	---	---	---	---	---	---	---	**034753B2**		

Exemple: desktop console performed by you using BRICKY modules "as mosaic-work".
For pre-assembled combinations, see specific sheets "BRICKYDESK CONSOLES".

T1   T1   C1

MICRORELEX "MULTIFUNCTIONAL" MINIATURE RELAY MODULES

TECNODIMENSIONE®

Ordering information

TECHNICAL CHARACTERISTICS
Multipurpose modules, microboard execution with screw terminals for fast wiring connections. Ideal as auxiliary actuations, interface for existing installations.

	SINGLE UNIT MODULE	DOUBLE UNIT MODULE	FOR FLUSH MOUNTING into frame	SURFACE MOUNTING with black alluminum housing	"PRINT CIRCUIT" EXECUTION (without box)	OPERATING VOLTAGE Vdc	POWER CONSUMPTION mA	1 AMPLIFIED RELAY activation by "low level" signal -5 mA/12V P=with positive input + N=with negative input -	1 AUTOCONTROLLED RELAY activation with variable signal from 8 up 12Vac (alternative voltage)	2 PROGRAMMABLE RELAYS - each stand-alone (separated inputs) - tandem (commun input command)	1 TEMPORIZED RELAY (adjustable 1÷60 sec) programmable	CONTACT OUTPUTS changeover SPDT - 1A/12V	MODELS	Q.ty N°
MICRORELEX R1	It is a smale relay unit with amplified input circuit to be drove by any low lever signal (either positive or negative 12Vdc). Execution and dimensions like single unit Bricky module.													
"pcb"	---	---	---	---	●	12V	20	1P	---	---	---	●	**035812P**	
	---	---	---	---	●	12V	20	1N	---	---	---	●	**035812N**	
Bricky execution R1	●	---	●	---	---	12V	20	1P	---	---	---	●	**034753R1P**	
	●	---	●	---	---	12V	20	1N	---	---	---	●	**034753R1N**	
Bricky execution R1A	●	---	---	●	---	12V	20	1P	---	---	---	●	**034753R1PA**	
	●	---	---	●	---	12V	20	1P	---	---	---	●	**034753R1NA**	
MICRORELEX R2	It is a unit with 2 small relays to be drove separetely or contemporarely (using programmable jumper setting) by standard 12Vdc input signals; or with proper interconnection, it is a latching relay with one SPDT output contact. Execution and dimensions like double unit Bricky module.													
"pcb" execution	---	---	---	---	●	12V	40	---	---	●	---	●	**035822**	
flush mounting Bricky execution	---	●	●	---	---	12V	40	---	---	●	---	●	**034753R2**	
SPECIAL INTERFACE MODULES to upgrade condominuim entrygate	It is a smale relay unit to be drove by alternative current input signal (from 8 up to 12Vca variable voltage). It should be used as interface adapter to intercom system (old generation) typically operates on 8 ÷ 12Vca voltage. Ideal to up-grade the exting conventional condominium entrygate to be equipped with advanced **Tecnodimension**e electrical bolts Tronix version.													
MICRORELEX R1C pcb execution	---	---	---	---	●	8/12 Vac	30	---	●	---	●	**035811C**		
flush mounting Bricky execution	●	---	●	---	---	8/12 Vac	30	---	●	---	●	**034753R1C**		
surface Bricky execution	●	---	---	●	---	8/12 Vac	30	---	●	---	●	**034753R1CA**		

Notes: MICRORELEX "visible" models must be installed in junction boxes and/or housings.
Bricky models can be combined with other Bricky elements (see the applicable price list under item "BRICKY") and arranged in a "mosaic" pattern on panels or consoles or even installed in the small frames with plates that are typically used with electrical switches (junction box "503").

ACCESSORIES

LOGIC MODULES FOR DOOR MANAGEMENT

Properly designed to help the installer in his job to realize easely & quickly any system to meet both simple or complex customer demands.

CHARACTERISTICS TECHNICAL
Very compact electronic board of various size to control the door opening procedure for any doors equipped with electrical bolts or electrical door strikes.

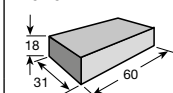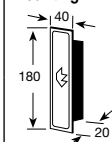|	DOOR "TIMED" OPENING COMMAND with auto-relock ● Field adjustable 1÷20 sec ○ Fixed 3÷5 sec (not adjustable)	AUTOMATIC RE-LOCK PROGRAM for electrical locks (fail-secure and fail-safe)	REBOUND COMPENSATION LOGIC with attemps to autorelock	COURTESY SERVICE electronic key override with timed unlock and auto re-lock	TAMPER PROTECTION in standby, the bolt sensor is not affected	DAY/NIGHT PROGRAM - unlimited unlock (day) - permanent lock (night)	REMOTE INDICATIONS OUTPUTS ● door status (aligned & closed) ○ bolt status (door locked)	INTERLINK of 2 same modules ● 2 doors interlock (mutual logic) ○ multiple interlock (3 or more doors)	OPERATING VOLTAGE Vdc	POWER CONSUMPTION mA	Ordering information MODELS	Q.ty N°
MICROTIMER (18 × 31 × 60) It is a micromodule (built-in onto a sealed plastic housing) that provides to open the door by a temporized command. The output is a SPDT contact 1A/12Vdc rated with programmable setting for electrical door strike or electrical bolts, magnet lock (either fail-secure of fail-safe version).	○	●	---	---	---	●	---	---	12V 24V	80 80	035902 035904	
TRONIX for flush mounting (40, 180, 20) It is a "compact" micromodule SMD execution for universal 12V or 24Vdc operating voltage. Multifunctional device to be used to control and drive any electrical bolts, magnetic lock, on "Z" setting (either fail-secure or fail-safe version).	●	●	●	---	●	●	●○	●	12V 24V	80	035952	

LOGICAL CARDS
FOR DOOR INTER-SIGNALLING WITH ACKNOWLEDGMENT
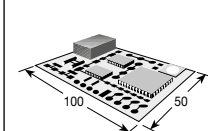
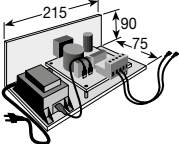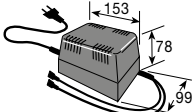|		Ordering information
PHARMABLOCK (100 × 50)	**Ideal for clean rooms,** anti-contamination changing rooms used, pharmaceutical laboratories, research departments and controlled areas.	
	Logical card in Print Mather Board execution (without housing) prepared to manage with visually lights (without locks) the interdependence of 2 doors + 2 doors with presence control (changing room in use). Alarm relay for simultaneously opened doors. 12VDC/100 mA power supply. Note: the selling of these module are dovoted to specialised installers and is used to interface the systems present in clean rooms. Pharmablock control units for several zones with preset logics are also available on request (see below).	034742H

ACCESSORIES

POWERBLOCK PROFESSIONAL POWER SUPPLIES	Export Product-list

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

MODELS		Q.ty N°

MINI-POWERBLOCK "open" execution (without housing)

215 — 90 75

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

153 78 99

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**	

ACCESSORIES