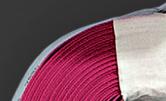
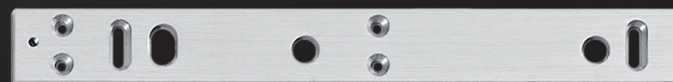


NINZ[®]

F I R E D O O R S

Optional accessories for NINZ doors

**"quality accessories
distinguish the door"**



Optional accessories for NINZ doors

HANDLES	2 - 4
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Black Nylon handles

Standard for REVER - UNIVER - PROGET doors



DOOR HANDLES

By default Rever, Univer and Proget doors include safety levers coupled with long backplates with cylinder holes. Each handle set includes a patent key insert, a 9 x 9 square spindle, fastener screws and spacers.

M1 handles are fire rated consisting of a metal core inside the lever and a galvanized steel cover plate to protect the cylinder hole.

The M1 handles have been certified in accordance with DIN 18273:1997-12.

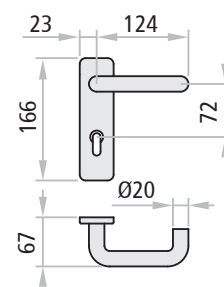
M1 HANDLE

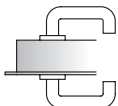


Fire rated Univer and Proget doors are equipped by default with M1-type handles.

The M1 handle package includes: a pair of black nylon lever with metal cores and galvanized steel installation plates, a pair of black nylon backplates with patent-type cylinder hole adaptable for installment of Euro profile cylinders, a 125 mm long 9 x 9 square spindle, fastener screws and spacers. The package includes also the hexagonal key for setting of the hinges and fastening of the spring screw.



M1 NYLON 6 Handle



Version	description	functioning	use
M1	   <p>handle/handle combination with cylinder hole on both sides. To be combined with locks with an inter-axis distance of 72 mm (015)</p>	door opening by handle or key from both sides	applications in which both door opening directions are accessible without key

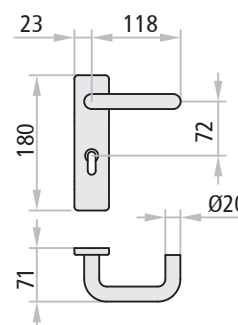
M1R HANDLE

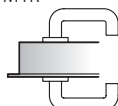


The multi-purpose Univer and Proget doors are equipped with M1R-type handles.

The M1R handle package includes: a pair of black nylon lever handles, a pair of black nylon backplates with patent-type cylinder holes adaptable for installment of Euro profile cylinders, a 125 mm long 9 x 9 square spindle, fastener screws and spacers.



M1.R NYLON 6 Handle



Version	description	functioning	use
M1R	   <p>handle/handle combination with cylinder hole on both sides. To be combined with locks with an inter-axis distance of 72 mm (015)</p>	door opening by handle or key from both sides	applications in which both door opening directions are accessible without key

NOTE

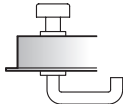
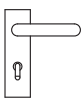
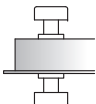



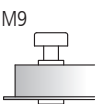

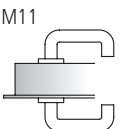
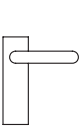
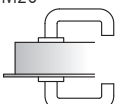
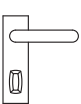
Handles are considered to be accessories and are not pre-assembled. Cylinders need to be ordered separately (except for Secur handles).

Special black Nylon handles

For locks with an inter-axis distance of 72 mm

SPECIAL HANDLES

Rever, Univer and Proget doors may be equipped on request with handles with special functions other than those provided by standard handles.

Versions	description		functioning	use
M2			the doorknob side requires the key for opening	applications in which only one of the door opening directions is accessible with a key
M4			both sides require the key for opening. The doorknobs serve for pushing or pulling the door	applications in which both door opening directions are accessible by key only
M5			both sides require the key for opening	applications in technical rooms with doors that usually remain closed and require keys for opening
M9			both sides require the key for opening. The doorknob serves for pulling the door	applications in which both door opening directions are accessible by key only
M11			opening is possible at any time using the handle	applications in which the door never needs to be locked
M20			closure using thumbturn latch from inside. Emergency opening from outside with screwdriver	typical closure for bathroom doors

NOTE

Models M2, M4, M5, M9 and M20 cannot be combined with the three-point locking mechanism.
Handles are considered to be accessories and assembly is required.
Cylinders need to be ordered separately.

Colored handles - Stainless steel handles

For locks with an inter-axis distance of 72 mm



COLORED DOOR HANDLES

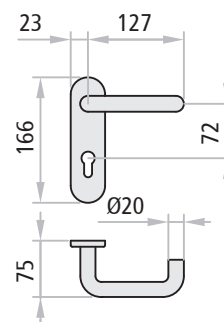
On request, painted resin handles can be provided which match or provide better contrast with the base color of the door.

M1C and M2C handles are fire rated like the M1 handle, and have also been certified in accordance with DIN 18273:1997-12.

The M1C and M2C handles package consist of: one pair of lever handles (M1C) or the handle/ doorknob combination (M2C) made of polypropylene (PP) with a metal core and galvanized steel installation plate, a pair of polypropylene (PP) backplates with a Euro profile cylinder hole, a 125 mm long 9 x 9 square spindle, fastener screws and spacers.



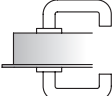


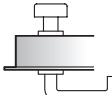


M1C colored RAL1023



Colors available:

RAL	RAL	RAL	RAL	RAL
1023	7016	7035	9006*	9010

*light aluminum

Versions	description		functioning	use	
M1C		 	handle/handle combination with cylinder hole on both sides. For combination with locks with an inter-axis distance of 72 mm (015)	door opening by handle or key from both sides	applications in which both door opening directions are accessible without a key
M2C		 	handle/doorknob combination with cylinder hole on both sides. For combination with locks with an inter-axis distance of 72 mm (015)	the doorknob side requires the key for opening	applications in which only one of the door opening directions works with a key

STAINLESS STEEL DOOR HANDLES

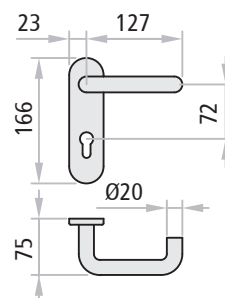
On request, satin-finished stainless steel AISI 304 levers and backplates can be provided which endow the product with a higher quality while at the same time ensuring optimal corrosion resistance and a noteworthy robustness of the entire set.







In addition, M1X and M2X handles are equipped with a return spring that maintains perfect alignment with the geometry of the door.

They are mounted on a galvanized steel mechanism and are supplied with a 125 mm long 9 x 9 square spindle, fastener screws and spacers.



M1 INOX handle



Versions	description		functioning	use	
M1X		 	handle/handle combination with cylinder hole on both sides. For combination with locks with an inter-axis distance of 72 mm (015)	door opening by handle or key from both sides	applications in which both door opening directions are accessible without a key
M2X		 	handle/doorknob combination with cylinder hole on both sides. For combination with locks with an inter-axis distance of 72 mm (015)	the doorknob side requires the key for opening	sostituire con „applications in which only one of the door opening directions works with a key

NOTE

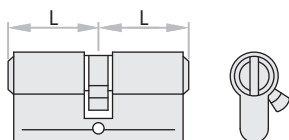
The M2C and M2X models are not combinable with the 3 point locking mechanism. Handles are considered as accessories and require assembly. Cylinders need to be ordered separately.

CYLINDERS

On request Rever, Univer and Proget doors with standard locks (Std 015) or three-point locking mechanisms (3vie PRO) may be supplied with a Euro profile cylinder with three keys.

They may also be provided in unique coding or group coded versions, or in combination with unique or group mastering.

Cylinders to pass



Double nickel-plated cylinder equipped with 3 keys

Versions available

standard cylinder
single coded cylinder
group coded cylinder
sample key coded cylinder
single mastered cylinder
group mastered cylinder

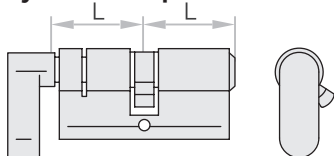


Lengths available	for door leaf thickness
40/40	60 mm
35/35	50 mm
30/30	40 mm

ATTENTION

It is important to specify MAC lock combinations in the order.

Cylinders to pass for thumbturn latch



Double nickel-plated cylinder with chrome-plated thumbturn latch equipped with 3 keys

Versions available

standard cylinder with thumbturn latch
mastered cylinder with thumbturn latch
mastered and emergency cylinder with thumbturn latch



Lengths available	for door leaf thickness
40/40	60 mm
35/35	50 mm
30/30	40 mm

NOTE

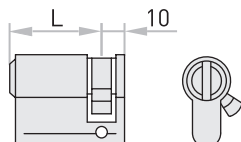
Cylinders are considered to be accessories and assembly is required. Cylinders to be combined with locks of NINZ doors must meet DIN 18254 standards.

Main, master and/or emergency key (or keys) should be ordered separately - they are not included with the cylinder.

CYLINDERS FOR COMBINATION WITH PANIC BARS AND EMERGENCY HANDLES

Standard panic bars and emergency handles are supplied with a Euro profile cylinder with three keys. Cylinders with single coding, grouped coding or in combination with single or grouped mastering.

Cylinders not to pass



Half nickel-plated cylinder equipped with 3 keys



Versions available

standard half cylinder
single coded half cylinder
group coded half cylinder
sample key coded half cylinder
single mastered half cylinder
group mastered half cylinder

Lengths available

40/10
35/10
30/10

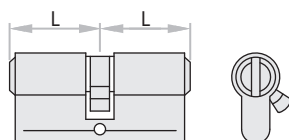
for door leaf thickness

60 mm
50 mm
40 mm

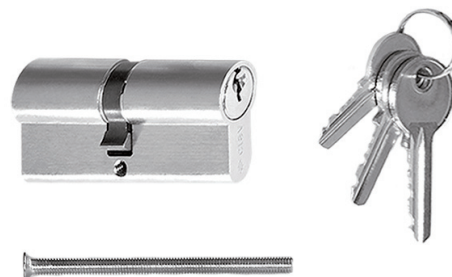
ATTENTION

It is important to specify MAC lock combinations in the order.

Cylinders to pass in combination with EXUS DC panic bars



Double nickel-plated cylinder equipped with 3 keys.



Versions available

standard cylinder
single coded cylinder
group coded cylinder
sample key coded cylinder
single mastered cylinder
group mastered cylinder

Lengths available

45/40
40/40
35/35

for door leaf thickness

60 mm
50 mm
40 mm

NOTE

Cylinders are considered to be accessories and assembly is required. Cylinders to be combined with the locks of NINZ doors must meet DIN 18254 standards.

Main, master and/or emergency key (or keys) should be ordered separately - they are not included with the cylinder.

CONFIGURED AS NEEDED!

NINZ asks its partners to specify the system in the form of a key plan which, when prepared with care, serves as a map for optimizing the required intervention times (from order to installation) while ensuring that the mastering system meets the specific needs being requested.

Here are a few of the configurations that are available:

1) Standard

Cylinders with different keys.

2) Single coded

Cylinders with the same keys.

3) Grouped coded

Cylinders from the same group are coded alike.

4) Main/master key systems

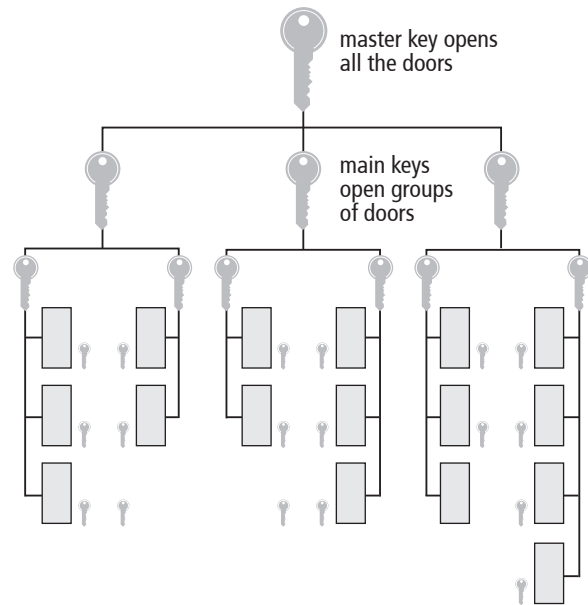
Grouped master key system in which each cylinder can be opened with its own key or with a master key that can open cylinders from one group but not others; a general master key can open all cylinders from all different groups. Standard cylinders closed from the interior with a thumb-turn latch cannot be opened with the main/master key.

5) Frictioned emergency

"Frictioned cylinder" means that the main or master key can only open doors that have not been closed from inside, while the same doors can still be opened with the emergency key.

6) Encrypted cylinder with sample key

Sample key coding allows for cylinders to be coded on the basis of a sample key supplied by the customer.



Key plan example for master key systems.

KEYS

The order should specify the number of keys to be supplied with the mastered cylinders.

Versions available

normal key	opens the single door only
main key	opens all doors from the same group
master key	opens all the doors that have grouped mastering
emergency key	opens all doors



Key

Door closer

For REVER - UNIVER - PROGET doors



DOOR CLOSER

The door closer regulates the closure of the door so that the door leaf returns properly to its final closed position after being released.

Regulation is influenced by closure force, speed and the final impact.

Although Univer and Proget doors are equipped with spring hinges for automatic closure, the installation of door closers is recommended for wide and/or heavy doors and/or in the presence of windows on the leaf.

The door closer product is addressed by EU directive 89/106/CEE, which means it is subject to **CE** marking.

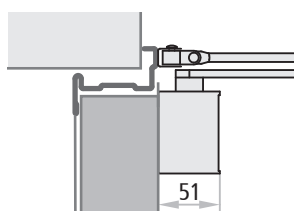
CP1 with scissor arm

CE marked in conformity with EN 1154.

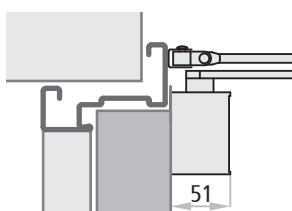
Rever, Univer and Proget doors are available, on request, with an overhead CP1 door closer with a silver-colored scissor arm.

The CP1 can be used for fire rated doors and is classified for 180° closure with a force varying from 3 to 4.

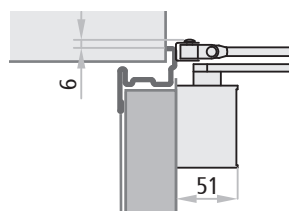
Proget doors ordered with CP1 are provided with pre-drilled installation holes on the door leaf and the frame. Standard Rever, Univer and Proget doors include internal reinforcements for the CP1 application.



CP1 UNIVER



CP1 PROGET



CP1 REVER

Optional colors:

RAL	RAL	RAL
dark bronze	9016	9005



NOTE

Arm protrusion = 290 mm



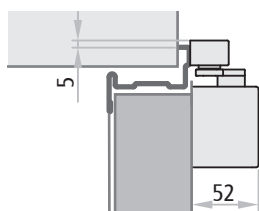
CP2 with slide channel

CE marked in conformity with EN 1154.

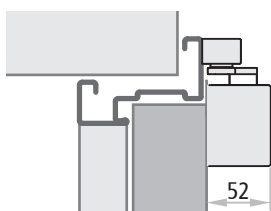
On request Rever, Univer and Proget doors are available with an overhead CP2 door closer with slide channel. Relative to the CP1, the advantage of this system is the absence of a protruding arm.

The CP2 is suited for use on fire rated doors and has been classified for 180° closure with force level 4.

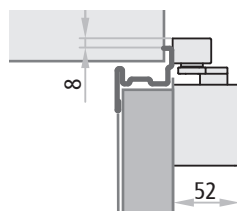
Proget doors ordered with CP2 are provided with pre-drilled installation holes on the door leaf and the frame. Standard Rever, Univer and Proget doors include internal reinforcements for the CP2 application.



CP2 UNIVER



CP2 PROGET



CP2 REVER

Optional colors:

RAL	RAL	RAL
dark bronze	9016	9005

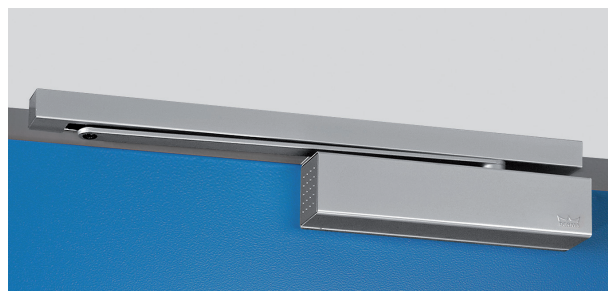


CP2-EMF with slide channel and electro-mechanical hold open device

CE marked in conformity with EN 1154 and EN 1155.

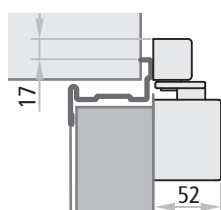
The CP2-EMF differs from the CP2 in that it has an electro-mechanical hold-open device that allows the door leaf to be locked at an angle ranging from 80° to 120°. During alarms or power outages, the hold-open device is unlocked and the door is closed by the door closer.

The CP2-EMF can be used on fire doors and has a maximum opening range of 120°, with a closing force set at 4. Proget doors ordered with CP2-EMF are provided with pre-drilled installation holes on the door leaf and the frame. Standard Univer doors include internal reinforcements for the CP2-EMF application.

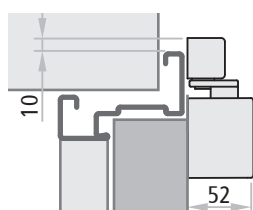


Optional colors:

RAL	RAL	RAL
dark bronze	9016	9005
		



CP2 EMF UNIVER



CP2 EMF PROGET

Model	maximum opening in the absence of obstacles			power supply	absorption	EC certification	standard
	one-leaved door	active leaf	secondary leaf				
CP1	180°	180°	180°	-	-	0432-BPR-0054	EN 1154
CP2	180°	180°	180°	-	-	0432-BPR-0051	EN 1154
CP2 EMF	120°	120°	120°	24 Vcc	58,3 mA	0432-BPR-0051 0432-BPR-0025	EN 1154 EN 1155

Closing regulators

For UNIVER - PROGET fire doors

CLOSING REGULATOR

Closing regulators administer the closure of two-leaved doors so that the secondary leaf is overlaid on the active leaf upon final closure. This is why it is mandatory to apply closing regulators to all two-leaved fire doors.

There are two systems for applying it to the door:

- separated from the self-closing system of the spring hinge or the door closer
 - incorporated into the closure system of the door closer
- Closing regulators are addressed by EU directive 89/106/CEE, which means they are subject to **CE** marking.

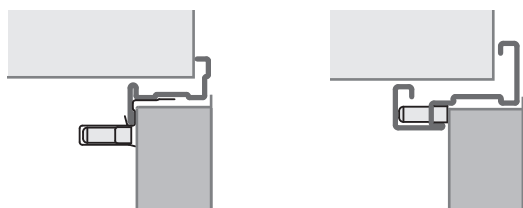
RC/STD

CE marked in conformity with EN 1158.

The RC/STD closing regulator device is distinct from the door closer and is a standard element of all Univer and Proget two-leaved fire doors.

In Proget doors the closing regulator is inserted into the upper horizontal groove of the frame, while in Univer doors it is supplied separately with an anchoring rod to be installed on site. In comparison with other regulators which are separate from the door closer, the advantage of the RC/STD regulator is that it is not visible when the door is closed.

The RC/STD regulator is suited for use on fire doors and is classified for forces ranging from 3 to 5.



UNIVER

PROGET

RC2 system

CE marked in conformity with EN 1154 and EN 1158.

On request, two-leaved Univer and Proget doors are available with an RC2 regulator in place of the RC/STD.

The RC2 closing regulator system is incorporated into the door closer, and consists of 2 CP2 with force EN 4 with a slide channel and a regulator integrated in the upper sliding guide. The entire system is silver colored.

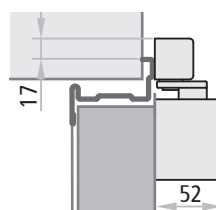
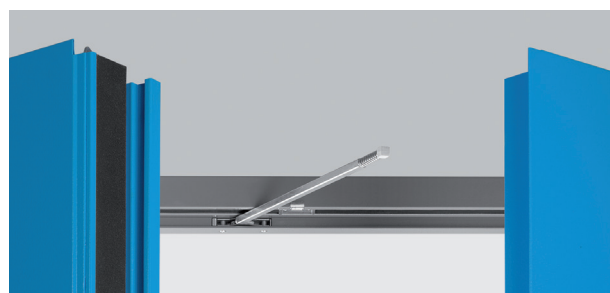
The RC2 system presents clear advantages:

- no protruding door-closer arms
- regulator concealed in the upper guide (even when the door is open)
- controlled closure of both leaves

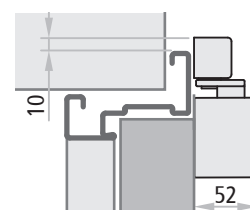
The RC2 regulator is suited for use on fire doors and is classified for both door closers with force EN4.

Minimum wall opening width of 1200 mm and minimum of 370 mm for the secondary leaf.

Proget doors ordered with RC2 are provided with pre-drilled holes for the installation of 2 CP2 door closers on the leaves and the slide channel on the frame. The installation holes in Univer doors need to be drilled on site for anchoring to the internal reinforcement of the leaves.



RC2 UNIVER



RC2 PROGET

Optional colors:

RAL	RAL	RAL
dark bronze	9016	9005
		

Closing regulators

For UNIVER - PROGET fire doors



RC2-EMF1 SYSTEM

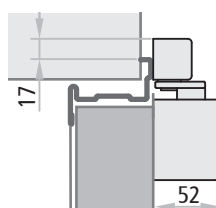
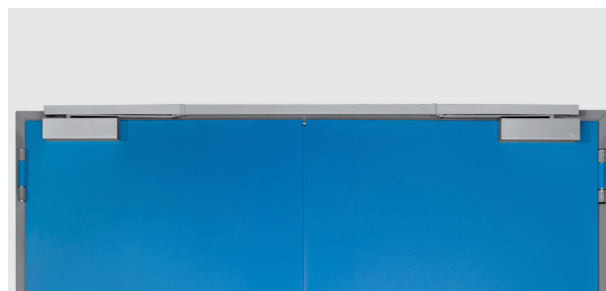
CE marked in conformity with EN 1154, EN 1158 and EN 1155. The RC2-EMF1 system differs from the RC2 in that it has an electro-mechanical hold-open device that allows the door leaf to be locked at an angle ranging from approx. 80° to 130°. The active leaf is held open by the closing regulator system. During alarms or power outages, the hold-open system is unlocked and the door is closed by the door closer. The entire system is provided in the standard silver color.

The RC2-EMF1 system presents multiple advantages:

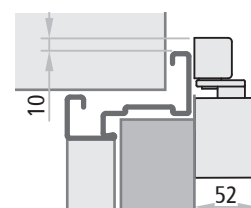
- possibility of holding the leaves open in the desired position
- no visible magnets
- no protruding door closer arms
- regulator concealed in the upper guide (even when the door is open)
- controlled closure of both leaves

The RC2-EMF1 system is suited for use on fire rated doors and is classified for both door closers with force level EN4. Minimum wall opening width of 1200 mm and minimum of 370 mm for the secondary leaf.

Proget doors ordered with RC2-EMF1 are provided with pre-drilled installation holes on the door leaf and the frame. The Univer door series includes internal reinforcements for application of the two door closers.






RC2-EMF1 UNIVER



RC2-EMF1 PROGET

Optional colors:

RAL	RAL	RAL
dark bronze	9016	9005
		

Model	maximum opening in the absence of obstacles		power supply	absorption	EC certification	standard
	active leaf	secondary leaf				
RC/STD	180°	180°	-	-	0425-ICIM-1153	EN 1158
RC2	180°	180°	-	-	0432-BPR-0051	EN 1154
					0432-BPR-0026	EN 1158
RC2-EMF1	180°	130°	24 Vcc	58,3 mA	0432-BPR-0051	EN 1154
					0432-BPR-0025	EN 1155
					0432-BPR-0026	EN 1158

Door sweep - Protection plates

For UNIVER - PROGET doors



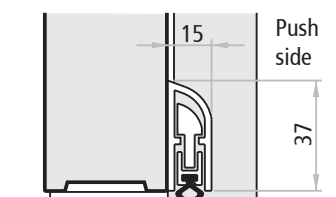
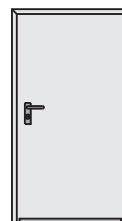
AUTOMATIC DOOR SWEEP

On request, Univer and Proget doors are available with an automatic door sweep to prevent air drafts from entering through the crack between the leaf and the floor.

It complements the FF sealing applied to the frame to provide better acoustic insulation and better air sealing for the door.

It is applied on the push side by using screws to attach it directly to the sheet metal of the door, after which the mechanism is completely covered with an anodized aluminum profile. On request, it can also be provided in the same color as the door leaf.

It is applied on site following door installation so that it can be adjusted to the actual leaf height.



Lengths avail.	FM L active leaf	FM L secondary leaf
430 mm	from 500 to 520	from 407 to 506
530 mm	from 521 to 620	from 507 to 606
630 mm	from 621 to 720	from 607 to 706
730 mm	from 721 to 820	from 707 to 806
830 mm	from 821 to 920	from 807 to 906
930 mm	from 921 to 1020	from 907 to 1006
1030 mm	from 1021 to 1120	from 1007 to 1106
1130 mm	from 1121 to 1220	from 1107 to 1206
1230 mm	from 1221 to 1320	from 1207 to 1306
1330 mm	from 1321 to 1340	from 1307 to 1330

PROTECTIVE PLATES AND KICKPLATES

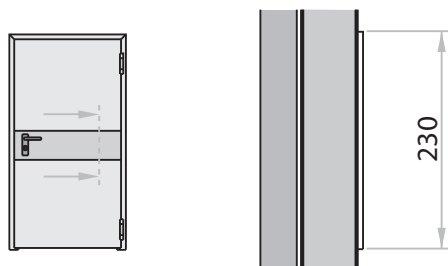
On request for 1 and 2 leaf Univer and Proget doors, specifying the side of application (pull or push).

Their main function is to protect the parts of the door that are vulnerable to being scraped by carts, hospital beds, etc. They are made of AISI 304 satinized stainless steel sheet metal with a standard height of 230 mm.

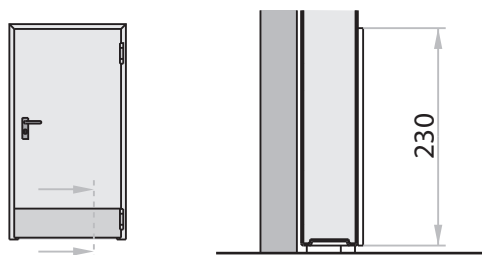
For on-site attachment with two-sided adhesive factory applied on the back, at the bottom of the door (kick plate) or at handle height (protective plate).



Holes are factory prepared for the passage of the handle panel and cylinder.



Protection plates



Kick plates



Holes are factory prepared for the passage of the handle panel and cylinder.

Drip-steel profile - Wall screws - Subframe

For NINZ doors

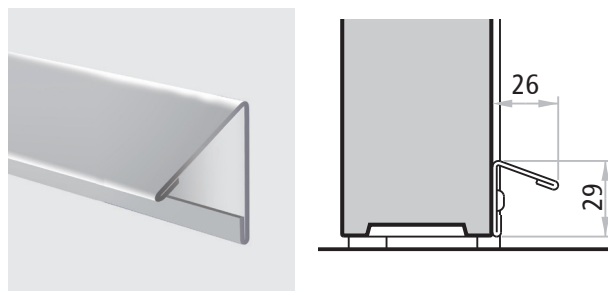


DRIP-STEEL PROFILE

On request for Univer and Proget doors. Normally used to prevent condensation from dripping down the door leaf and puddling beneath the door. The profile is made of "Sendzimir" processed galvanized sheet metal painted the color of the door leaf.

It is applied to the exterior side of the door on site after being cut to measure, to be attached with the screws provided.

Lengths avail.	FM L door leaf
710 mm	to 800
810 mm	to 900
910 mm	to 1000
1260 mm	to 1350

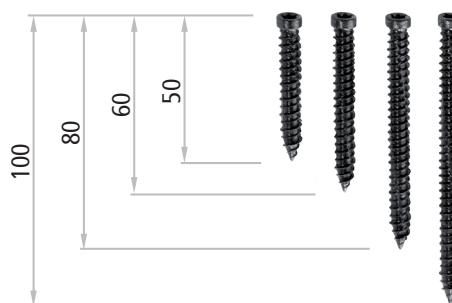


WALL SCREWS FOR FASTENING WITHOUT PLUGS

Field of use: installation of Proget REI 60/120 and multipurpose doorframes to the wall or subframe using screws but no plugs. Designed for installation into concrete, full bricks, half-full bricks, lightened cement and other materials.

Advantages: saves time and money thanks to direct attachment of the frame to the wall, with no need to enlarge the holes for plugs. Thanks to the black galvanization, the screws blend in smoothly with the FC sealing.

Dimensions	description
Ø 7.5 x 50 mm	for attachment to metal subframes
Ø 7.5 x 60 mm	for attachment to concrete and especially thick walls
Ø 7.5 x 80 mm	for attachment to walls of average thickness
Ø 7.5 x 100 mm	for attachment to walls of lower thickness

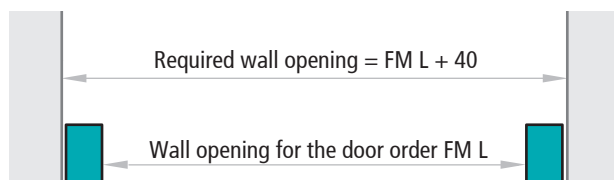


NOTE

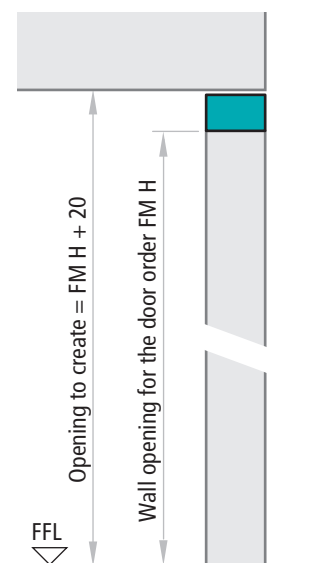
Holes should be drilled using a Ø 6 mm stone drill bit.

SUBFRAME

Subframe (to be ordered) in hollow 30 x 15 x 2mm steel profiles (recommended for REI 60 and REI 120 Proget doors) equipped with anchors for mortar fixing and spacers that are to be removed during final installation.



Horizontal cross section



Vertical cross section

MAC® Multifunctional Access Control

Controlled opening system

NINZ[®]
FIREDOORS

The MAC system makes it possible to activate the handle to open the door using the same mechanical components as for normal functioning.

The particularity of the MAC system is that it concentrates all of the command and control functions in the lock, which simplifies the electrical work required on site.

The MAC system offers multiple advantages, such as:

- possibility of 12 V AC/DC or 24 V AC/DC power supplies, which avoids problems due to inadequate voltage
- *low current absorption*:
 - at 12 V the startup current is 500 mA for the first 5-6 sec., before changing to a 250 mA maintenance current
 - at 24 V the startup current is 1 A for 300 millisecond., before settling to 500 mA for 4-5 sec. and finally changing to a 250 mA maintenance current for the remaining 25 sec.
- timer incorporated, time set at 30 sec. with automatic reset (zeroing of the timer) every time the door is opened, eliminating the need for external timers
- red/green LED on the backplate to prevent useless forcing of the handle by signaling whether the opening system is active or not
- continuous handle activation (always open when desired)
- remote LED for remote signaling of lock activation/deactivation

The MAC system comes pre-assembled with the door, including the wiring inside the door leaf and the electrical contacts between the leaf and the frame.

Included pre-assembled on the door: anti-panic lock with solenoid and electronic chip with timer incorporated (1), double electrical contacts between leaf and frame (2), internal wiring inside the leaf (3)

Included in the package: handle and backplate with red/green LED and connectors (4)

Not included: power supply for doorframe contacts (5), opening button and command accessories (6)

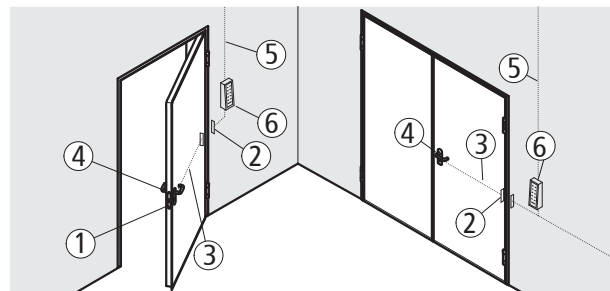
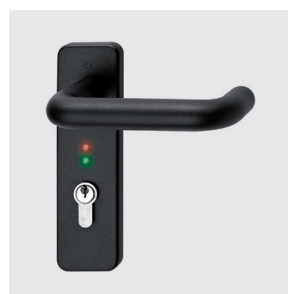
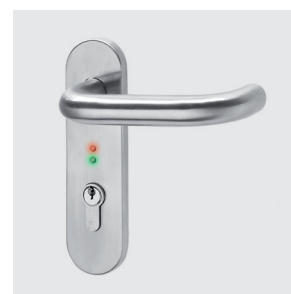


Diagram of components



Nylon handle with red/green LED



Stainless steel handle with red/green LED

MAC 1 SYSTEM

Operation mode

The MAC 1 system controls access from the pull side of the door. With the lock locked by key, opening is only possible with electrical consent (button, switch, badge reader, etc.) which activates the handle, while opening is always possible from the push side by means of the panic bar or emergency handle. Activation of the handle is signaled by illumination of the "green LED," while the "red LED" indicates when the handle is idle. Both LEDs are off when no power is being supplied.

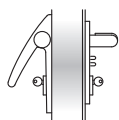
Time mode

In this mode, the activation time lasts 30 seconds before the handle is returned to idle. If the door is opened within the 30 seconds, the timer is automatically reset to zero.

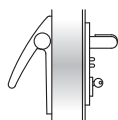
Continuous mode

"open setting": in this mode, handle activation is controlled by an electrical switch (not included) that provides continuous power to the MAC 1 lock. The green LED remains lighted, being turned off only from the time the door is opened until it is fully closed once again.

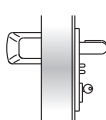
MAC 1 can be combined with any BM type panic bar and M3 emergency handles.



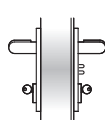
EX DC BM



EX/TW BM



SL BM



M3

MAC 2 SYSTEM

Operation mode

The MAC 2 system controls access from both sides of the door. With the lock locked by key, opening is only possible with electrical consent (button, switch, badge reader, etc.) which activates both handles. Activation of both handles is signaled by illumination of the "green LED," with the "red LED" signaling when the handles are idle. Both LEDs are off when no power is being supplied.

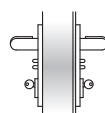
Time mode

In this mode, the activation time lasts 30 seconds before both handles are returned to idle. If the door is opened within the 30 seconds, the timer is automatically reset to zero.

Continuous mode

"open setting": in this mode, the activation of both handles is controlled by an electrical switch (not included) that provides continuous power to the MAC 2 lock. The green LED remains lighted for both handles, being turned off only from the time the door is opened until it is fully closed once again.

MAC 2 can be combined with M1 (black nylon) and M1X (stainless steel) handles.



NOTE

Both systems have been REI 120 fire-tested to ensure compliance of the certified product

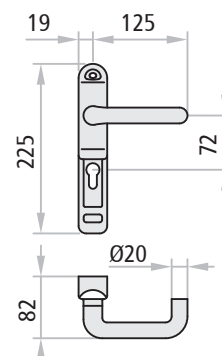
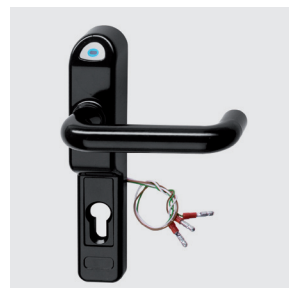
Electric handle

Controlled opening system



ELM/MT MULTI-VOLTAGE ELECTRIC HANDLE

Controlled door opening system that employs an electronic device to activate the handle. The latter is equipped with an internal timer with a 30 seconds time allowance for opening the door, after which the electric handle is deactivated. The handle can be activated for longer time periods by means of the electrical switch. The illumination of a green LED and sounding of an acoustic signal (buzzer) indicate handle activation, while a red LED indicates deactivation.



When ordered together with the door, the ELM/mt system includes:

electric handle, electrical contacts between the leaf and the frame, power cable inside the door connected to electrical contacts, command panel, lock and fixing screws.

If ordered separately from the door, the system includes:
electric handle, command panel and fixing screws.

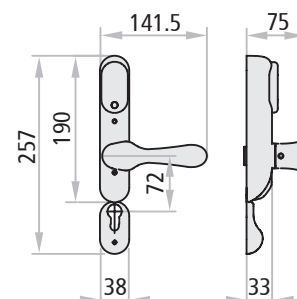
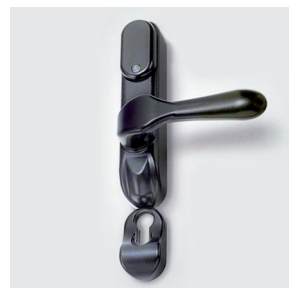
Technical data

power supply	12 Vcc/Vca - 24 Vcc/Vca
current absorbed at 12 V	500 mA
current absorbed at 24 V	200 mA
startup current at 12 V	700 mA
startup current at 24 V	300 mA

ELM/CISA MULTI-VOLTAGE CISA ELECTRIC HANDLE

Controlled door opening system that employs an electronic device to activate the handle. Equipped with a separate timer (for insertion into the switch box) which can be set for different opening times: from a minimum of 0,1 second to a maximum of 10 days. Equipped with green LED that signal activation of the handle.

The ELM/cisa system includes: electric handles, 2 meters of power cable, cable sleeve for the connection between the leaf and the frame, 8/9 square spindle, fixing screws, adjustable timer packaged separately.



Technical data

power supply	12 Vcc/Vca - 24 Vcc/Vca
current absorbed	330 mA
startup current	800 mA
operational temperature	-20°C ÷ +80°C
max. relative ambient humidity	95%

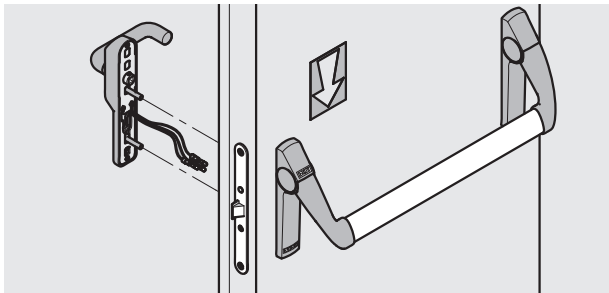
NOTE

The electric handle requires assembly.

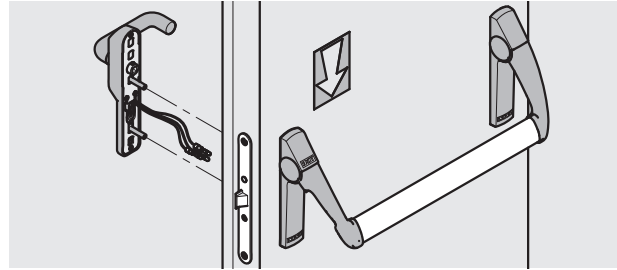
OPENING SYSTEM FOR COMBINATION WITH ELM/MT OR ELM/CISA ELECTRIC HANDLE

Panic bars

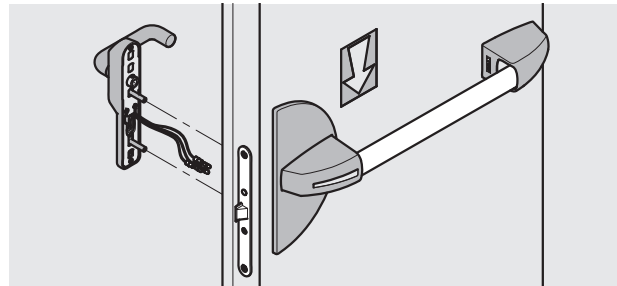
The controlled opening direction is from the pull side of the door (electric handle side). Locking the lock by key blocks the electric handle functioning, while opening is still possible via the panic bar on the push side.
Use: one- or two-leaved doors for anti-panic exits when access control is desired on the pull side.



Twist



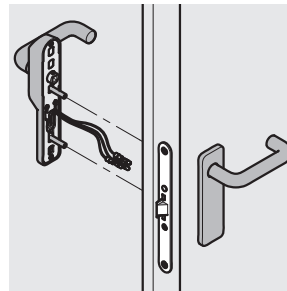
Exus



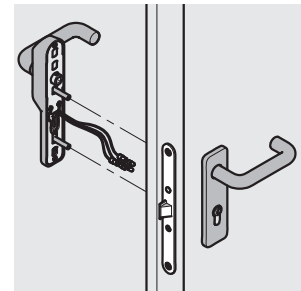
Slash

MSC Handles

Use: one- or two-leaved doors when control is desired for one of the two opening directions. Locking with the key blocks opening in both directions.
Controlled opening may be for either the push or pull direction, depending on where the electric handle is applied.



MSC



MCC/S

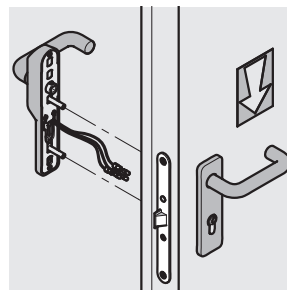
MCC/S Handles

Use: for one- or two-leaved doors where access is to be controlled from the pull side only (electric handle side). Locking with the key blocks opening from the push side, but not from the side where the electric handle is applied.

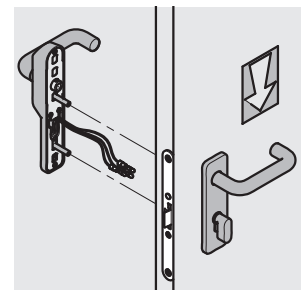
OPENING SYSTEM FOR COMBINATION WITH ELM/ MT ELECTRIC HANDLE

Emergency handles M3

Use: one- or two-leaved doors for emergency exits when access control is desired on the pull side.
The controlled opening direction is from the pull side of the door (electric handle side). Locking the lock by key blocks the operation of the electric handle, while opening remains possible via the M3 emergency handle.



M3



HOT-CIL

Emergency handles HOT/CIL

Use: for the doors of hotel rooms
The controlled opening direction is from the push side of the door (electric handle side). Closing with the thumb-turn latch from inside the room, the opening by electric handle is possible only with an electric consent. Opening is always possible from the room side of the door.

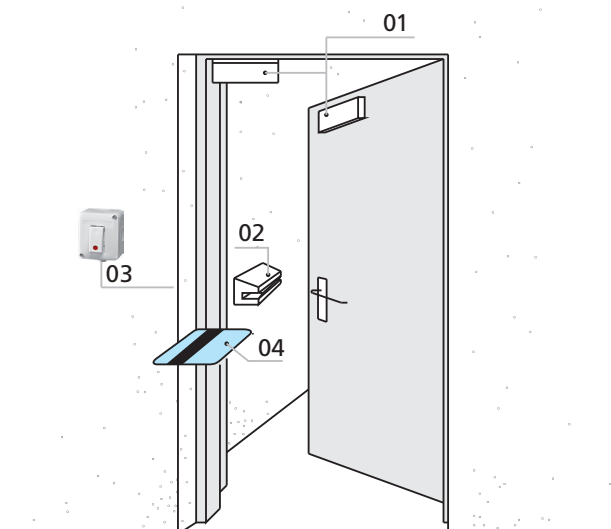
ELECTROMAGNETS 13700 TD

This system is for use in special situations when the doors remain closed and should only be opened with electrical consent. The electrically powered electromagnet holds the door closed with a holding force of approximately 300 kg, rendering the action of the handle ineffective. Only electrical commands (badge reader, key button, etc.) or electrical consent from the fire detector system can deactivate the electromagnet making a door opening possible.

Operation mode

The door is held closed by the electromagnet (01) and the bolt of the lock. Opening from the outside can happen via magnetic card (04) using the Badge reader (02) of the card control system or any other system of choice and by retracting the bolt using the handle or key.

From the inside, the deactivation of the electromagnet is caused by the unlock button (03) (also remotely) or with the same system used for the pull side, while the locking bolt must still be retracted using the handle or key. The activated electromagnet signals its state with a red LED, whereas the green LED signals the temporary deactivation. Further a relay AC/DC signaling the electromagnetic state is supplied.



NOTE

Unlocking of the door is only possible if the door is not locked by key.

Technical data

model	13700 TD	withstand force	fino a 300 Kg.
power supply	12/24 Vcc	time delay	0 ÷ 90 sec.
current absorbed at 12 V	500 mA	electrom. compatib standard	EMC - UNI CEI 70011
current absorbed at 24 V	250 mA	certificate Nr.	0123/02

COMPONENTS INCLUDED WITH THE ELECTROMAGNET CONTROLLED OPENING SYSTEM

For Proget doors

Electromagnet 13700 TD holding force 300 kg, 12/24 V DC, fastener plate, anchor with stainless steel fastener backplate.

For Rever/Univer doors

Electromagnet 13700 TD withstanding force 300 kg, 12/24 V DC, fastener plate and angle bar, anchor with stainless steel fastener backplate.

Control system:

- "Access" code keypad
- Card-based control system
- Biometric "TOCA access" reader
- Unlock button

NOTE

Detailed specifications for the Control system are found on the "Command accessories" page.



PROGET Electromagnet



REVER/ UNIVER Electromagnet

Power supply/command accessories

For MAC® - ELM/mt - ELM/cisa Electromagnet 13700 TD controlled opening systems

NINZ[®]
FIREDOORS

CONTROL SYSTEMS AND RELATED ACCESSORIES

"Access" code keypad

Power supply 12-18 V ACV DC with 10 numeric buttons plus an Enter key, including control unit for 1 door and timer incorporated (0,5÷25 sec.). Up to 500 recordable different codes, composed from 1 to 6 digits.



„Access“ code keypad

Card-based control system

Card control system with timer incorporated (art. 55611 + 55613 + 55615), including Badge reader, control unit, flat cable, external 230 V DC/15 V DC transformer, three blank badges and a coded badge.



Card-based control system

„TOCA access“ biometric reader

„TOCA access“ biometric reader for reading fingerprints and transforming them into key codes. Includes an internal unit for registering, memorizing and cancelling users and external unit for fingerprints. Autonomous low voltage 9 V AC power supply.



Biometric reader

Unlock button

Unlock button (art. GW 20 523), with white casing and control light.



Unlock button

Power Supply Switching 12 V DC/3 A

With different management options:

- max. Nr. 10 MAC® Multifunction Access Control *
- or max. Nr. 5 13700 TD Electromagnets
- or max. Nr. 5 ELM/mt Electric handles *
- or max. Nr. 8 ELM/cisa Electric handles *



Power Supply Switching 12 V DC/3 A

* provided that they are not commanded simultaneously

Door-holding systems

For fire doors and gates



C2 MONO-ZONE MICROPROCESSOR

Certified in accordance with EN 1154-2 and EN 1154-4 standards.

The processor was designed and built in conformity with UNI EN 1154 standards, which regulate processors for fire alarms and related accessories which each must conform with EN1154 standards.

Technical data

model	52002
primary power supply	230 V AC, 100 mA, 50-60Hz
auxiliary power supply	2 batteries, 12 V DC/1,1 ÷ 1,3 Ah
minimum output current	264 mA
maximum output current	424 mA
buffer battery charger output	24 V DC (27.6 V DC)
protection rating	IP30
operational temperature	-5°C ÷ +40°C
operational zones	single zone (mono-zone)
acoustic alarm	internal buzzer
"low battery" signal	intermittent internal buzzer
EC certification	0051-CPD-0264
conformity with standards	EN 1154-2 + A1:2006 EN 1154-4:1997 + A1:2002 + A1:2006

ATTENTION

According to standard EN 1154-4, it is obligatory for the mono-zone processor to be equipped with:

- Nr. 1 heat/smoke detector RFC certif. EN 1154-7
- Nr. 1 pair of buffer batteries
- Nr. 1 external electronic siren certif. EN 1154-3
- Nr. 1 alarm activation button certif. EN 1154/11

RFC HEAT AND SMOKE DETECTOR

Certified in accordance with UNI EN 1154-5 and EN 1154-7 standards.

RFC heat and smoke detector characterized by white ABS casing. Optical/thermic operation with intervention temperature to be set between 54 and 65°C. To ensure proper functioning, the detectors must be subjected to regular 6-month maintenance checks. Please note that it is inadvisable to position the sensor where strong air currents are present.

Technical data

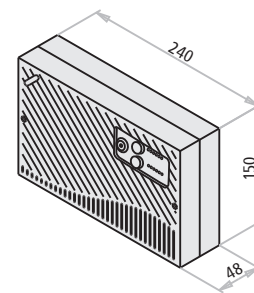
operational voltage	10 ÷ 30 V DC, typically 24 V DC
consumption at rest, at 24 V DC	70 µA
absorption of alarm at 24 V DC	50 mA

BUFFER BATTERIES

Pair of rechargeable buffer batteries, 12 V DC/1.2 Ah

NOTE

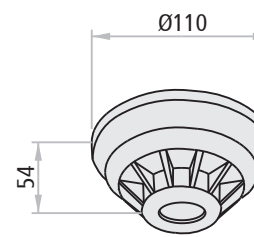
All DOOR-HOLDING SYSTEMS are supplied in separate packaging and require on-site assembly.



This is a control unit which administers the door-holding electromagnets for fire doors, where standards require consideration of every possible and imponderable event that could happen during normal functioning. The following, therefore, are subject to constant monitoring: all exits towards the smoke and heat detectors, the alarm and reset buttons, the external siren and the charge of the two batteries. The microprocessor itself, which functions as the brain of the system, is constantly monitored at regular intervals by a specific system routine that checks for proper functioning of the operational software. Any hitches, breakdowns or malfunctions are signaled by one of the ten LED diodes on the front panel, and the internal buzzer provides an additional acoustic signal for specific cases. Alarm or breakdown situations can then be reset at three different levels depending on the seriousness of the event: by a button located near the microprocessor, by a first button on the front of the microprocessor unit and by a second button on the same panel that requires key selector activation (key in possession of the safety manager). A fourth reset level is then supplied for the circuit only (operation executable by authorized technical personnel only).

MANAGES

- max. Nr. 5 RFC heat/smoke detectors
- max. Nr. 5 alarm activation buttons
- max. Nr. 2 electronic sirens
- Nr. 4 EM or EMP electromagnets
- Nr. 2 buffer batteries



Technical data

operational temperature	-40°C ÷ +60°C
conformity with	EN 1154-5, EN 1154-7 standards



Door-holding systems

For fire doors and gates



ELECTRONIC SIREN

Includes a volume control function for installation in internal and external environments. The connection is made using double clamps (6) for branching.

Technical data

power supply	9 ÷ 28 V DC
absorption by alarm at 12 V DC	8 mA
absorption by alarm at 24 V DC	16 mA
protection rating	IP65
operational temperature	-25°C ÷ +70°C
conformity with standard	EN 1154-3



With 28 or 32 selectable tones and a second tone for two-phase alarms.

Dimensions:
Ø 91 x 91mm.

ALARM ACTIVATION BUTTON

Pressure on the plastic front plate activates the electrical contact. Re-arming of the contact is executed manually using a key (provided).

Technical data

power supply	max. 30 V DC
protection rating	IP41
operational temperature	max. +65°C
internal exchange contact	n.o./n.c.
conformity with standard	EN 1154-11



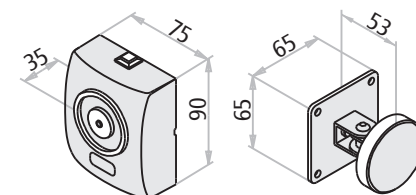
In red color ABS with a weight of 110 gr.

Dimensions:
99 x 95 x 43mm.

EM ELECTROMAGNET



EM wall electromagnet with white plastic casing, complete with unlock button. Anchor consisting of a nickel-plated plate and a jointed baseboard.



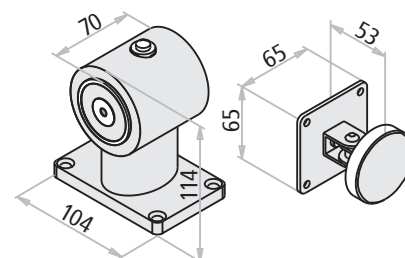
Technical data

power supply	24 V DC
absorption	60 mA
minimum withstand force	55 Kg.
EC certification	0407-CPD-011 (IG-098-2004) /02
conformity with standard	EN 1155

EMP ELECTROMAGNET



EMP floor electromagnets, consisting of a galvanized metal core with an unlock button and a fastener plate. Anchor consisting of a nickel-plated plate and jointed baseboard.



Technical data

power supply	24 V DC
absorption	60 mA
minimum withstand force	55 Kg.
EC certification	0407-CPD-011 (IG-098-2004)
conformity with standard	EN 1155

NOTE

All DOOR-HOLDING SYSTEMS are supplied in separate packaging and require on-site assembly.



Ninz S.p.A. | Corso Trento 2/A | I-38061 Ala (TN)

Tel. +39 0464 678 300 | Fax +39 0464 679 025

info@ninz.it | www.ninz.it