



EN ENGLISH



BO600RH

BO600RP

BO600RP BO600RH

Horizontal & Vertical retrofit housing

The installer's choice
cdvigroup.com

BO600RH

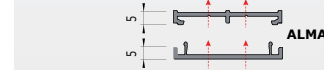
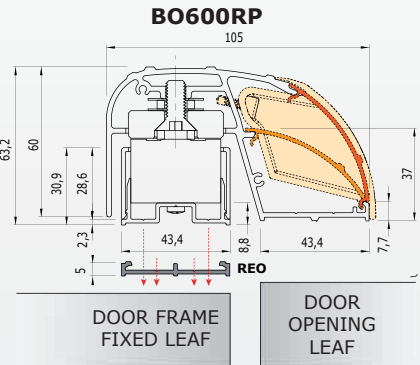
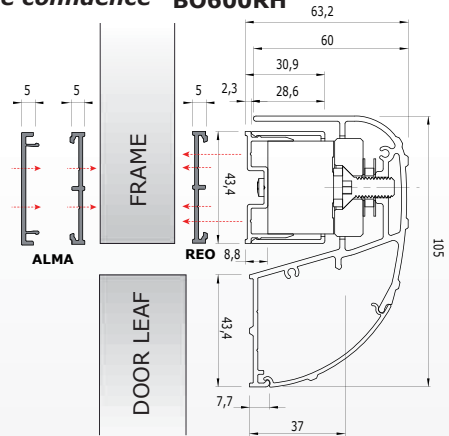
Horizontal retrofit housing

Thank you for buying our products and for the confidence you placed in our company. **BO600RH**

1] PRODUCTS OVERVIEW

- **NFS 61-937.**
- **Pre-assembled.**
- **Fast installation.**
- **Covers previous installation fixing holes.**
- **Pre-drilled sections (adjustable).**
- **Ergonomic design.**
- **SAA finish (Satin Anodised Aluminium).**
- **Aesthetic.**
- **Suitable for metal, wood and glass doors.**
- **Ideal for retrofit applications.**
- **Magnets supplied with terminal blocks.**
- **Groove at the back of the magnet housing for cable management.**
- **Magnet housing supplied with cover.**
- **Options:** Aluminium rail spacers, Aluminium cable tray, Installation on glass door (UBK25), RAL colour, Monitored NO/NC, Cut to size.

- Holding force: 2 x 300kg,
- Dimensions (L x W x D):
 - BO600RH = 925 x 105 x 62mm,
 - BO600RPSTD = 2190 x 105 x 63mm,
 - BO600RP = 2500 x 105 x 63mm.
- Magnet housing for frame mount.
- Armature housing with end caps for door mount.
- Input voltage: 12/24/48V dc.
- Consumption:
 - 12V dc = 500mA (per magnet),
 - 24V dc = 250mA (per magnet),
 - 48V dc = 250mA (for both magnets).



Recommended Power supplies



BO600RH

Horizontal retrofit housing

Product Details

	BO600RP 2500MM	BO600RPSTD 2190MM	BO600RP 925 MM
Number of 300Kg magnets	2	2	2
Lock section with cover	1	1	1
Architectural handle with fixing cover	1	1	1
End caps for handle	2	2	2
End caps for lock section	2	2	2
RAL colour (option)	■	-	■
Cut to size (option)	■	-	■
3 or 4 magnetic locks (option)	■	-	-
Monitored (option)	■	-	■

2] INFORMATION & RECOMMENDATIONS

Power Considerations

The handle is designed to house electromagnets with a holding force of 300Kg each. These units can be supplied by either 12Vdc or 24Vdc depending upon your preferred choice (48Vdc supplied on special request). The current required depends on the amount of electromagnetic locks, and the voltage chosen – please see Technical Specification, and ensure you have allocated sufficient power to BO600RH (2500mm housing with 2 magnetic locks) would require: PSU12/2 or ARD2/12 at 12Vdc PSU24/1 or ARD24 at 24Vdc.

Information

The electromagnets are pre-fitted within the lock section. The armature plates are pre-fitted within the architectural handle. Both sections are supplied with end caps.

Wiring

Plan your cable routes before commencing installation. We recommend a maximum distance of 10m from the power supply to the electromagnetic locks (to prevent volt drop). If the distance is greater, then make sure you have increased the cross section of the cable to compensate.



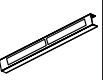





General Advice

The 2 parts of the architectural housing are designed to be surface mounted on the door and frame, where they should be parallel when the door is closed. If there is a rebate, then it will be necessary to pack out the lower part to be parallel to the other (Aluminium rail spacer, Ref: REO). You can also use the PRP800 (Reinforcement section) or ALMA (Aluminium Cable tray) to reinforce the housing mounting.

Handle (BO600RP)

You must secure the handle with the 2 screws which comes with the retrofit housing.

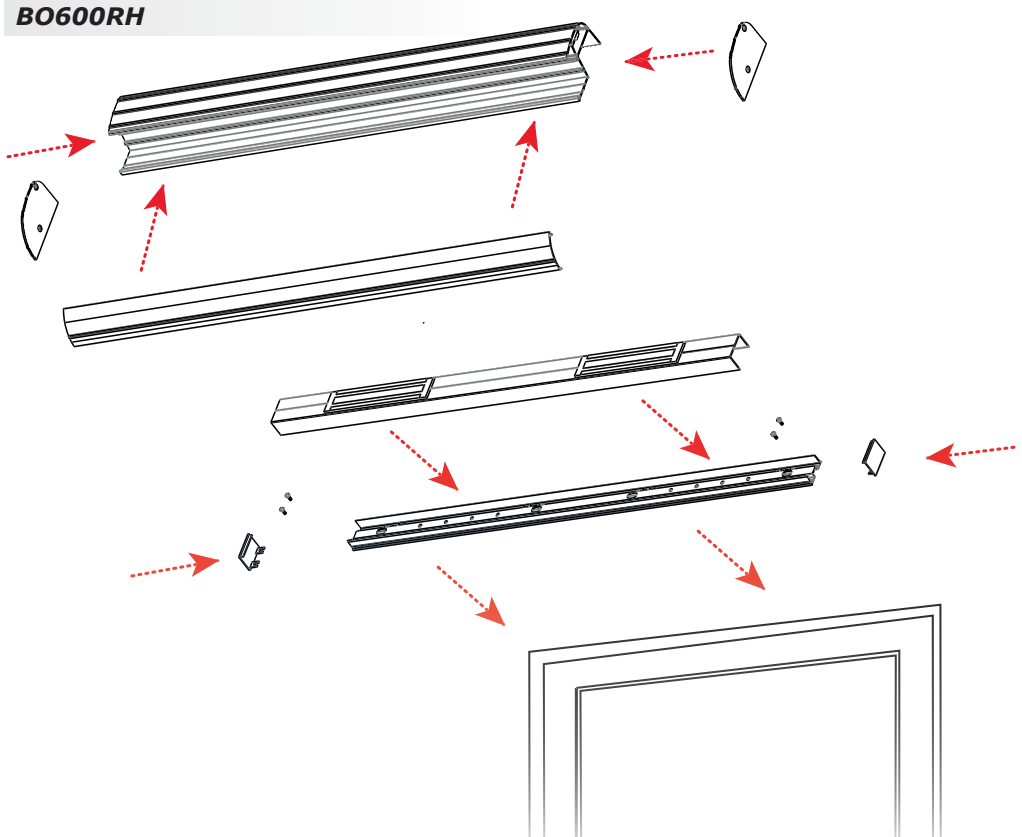
3] PACKAGE CONTENTS

								
	Profiled handle with end caps	Profiled handle fixings cover	Box section back-plate	Box section cover	End caps	Handle	screw kit	Manual
BO600RP 2500 mm	1	1	1	1	2	1	1	1
BO600RPSTD 2190 mm	1	1	1	1	2	1	1	1
BO600RH 925 mm	1	1	1	1	2	-	1	1

BO600RH

Horizontal retrofit housing

4] ASSEMBLY



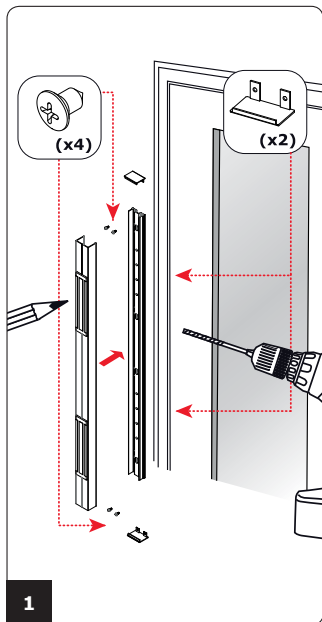
Position the box-section backplate, complete with pre-fitted electro-magnetic locks, on to the door frame - ensure the positioning will allow for the architectural handle to close securely over the section. Once you are satisfied with the position, mark the vertical and horizontal holes, then drill as required. Take note of the cable entry holes, and feed the cables through. Fix the section into place, then wire the electromagnetic locks in accordance with the wiring schematic in Section 5. Fit the box section cover into place, fix the end caps and secure with the screws provided. To finalise the assembly, tighten all fixings, and protect the handle fixing section by fitting the cover and end caps.

With the door closed, position the architectural handle onto the edge of the opening leaf of the door, ensuring the handle covers the box-section. Mark the vertical and horizontal holes, drill as required, then temporarily fix the handle leaving a small gap around the box section - check the alignment of the magnets in the box section with the armatures in the handle. Adjust if necessary, then once satisfied, secure the handle by completing the fixings. Insert the end caps and secure.

BO600RH

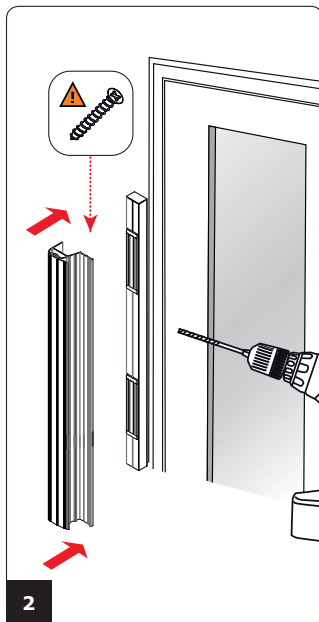
Horizontal retrofit housing

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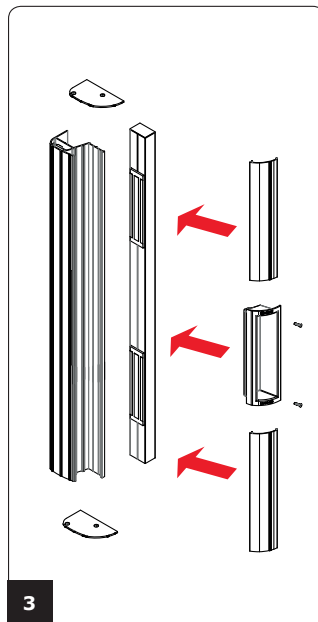
1

Position the box-section backplate, complete with pre-fitted electromagnetic locks, on to the door frame (or fixed door leaf if installing onto double doors) - ensure the positioning will allow for the architectural handle to close securely over the section. Once you are satisfied with the position, mark the vertical and horizontal holes, then drill as required. Take note of the cable entry holes, and feed the cables through. Fix the section into place, then wire the electromagnetic locks in accordance with the wiring schematic in Section 5. Fit the box section cover into place, fit the end caps and secure with the screws provided. To finalise the assembly, tighten all fixings, and protect the handle fixing section by fitting the cover and end caps.



2

With the door closed, position the architectural handle onto the edge of the opening leaf of the door, ensuring the handle covers the box-section. Mark the vertical and horizontal holes, drill as required, then temporarily fix the handle leaving a small gap around the box section - check the alignment of the magnets in the box section with the armatures in the handle. Adjust if necessary, then once satisfied, secure the handle by completing the fixings.



3

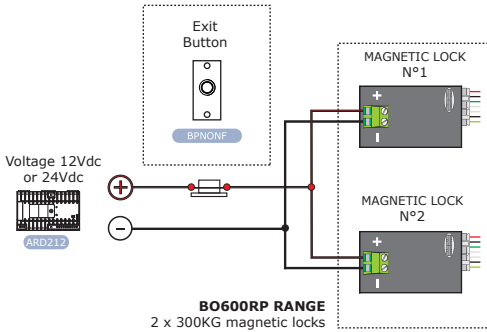
Cut the top cover unit into 2 pieces. Double check the length of each section of top cover before final cutting. Take into account the plastic handle (215MM). Ensure the plastic handle is at optimum position for users, then make the final cuts to the covers. Insert the plastic handle and clip it into position. Secure the handle with the 2 screws.

BO600RH

Horizontal retrofit housing

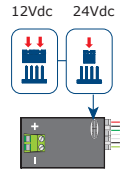
5] WIRING

Example N°1: Exit button only (VHLD timer optional)



**5-WAY TERMINAL STRIP
NON MONITORED VERSION**
+ 12Vdc or 24Vdc positive *
- 12Vdc or 24Vdc negative *

* **Voltage:** 12Vdc or 24Vdc.
Place the « jumpers » to select 12Vdc or 24Vdc supply to your magnetic locks



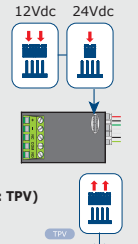
**5-WAY TERMINAL STRIP
MONITORED VERSION**

+ 12Vdc or 24Vdc positive *
- 12Vdc or 24Vdc negative *
NC Contact «Normally Closed»
COM Common
NO Contact «Normally Open»

* **Voltage:** 12Vdc or 24Vdc.
Place the « jumpers » to select 12Vdc or 24Vdc supply to your magnetic locks.

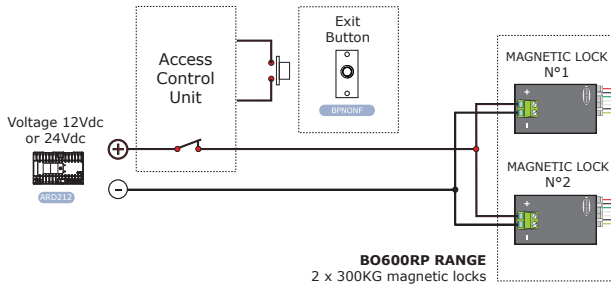
TIME RELAY FOR MAGNETIC LOCKS (REF: TPV)

Important: When using a timer in circuit, please make note of the voltage used and ensure the timer can operate at the same voltage (example shows TPV).
Adjustable timer (0 to 20 seconds)



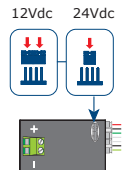
OPTIONS

Example N°2: Access Control + Exit Button

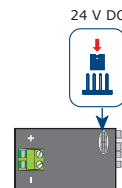
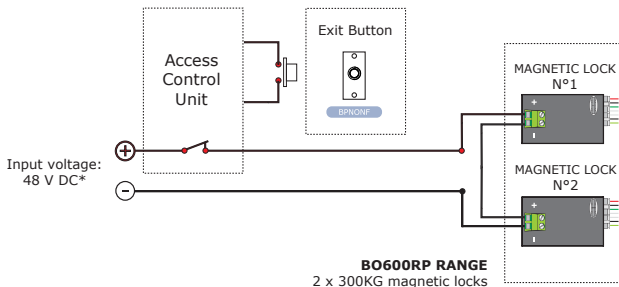


**5-Way Terminal Strip
- non monitored version**
+ 12Vdc or 24Vdc positive *
- 12Vdc or 24Vdc negative *

* **Voltage:** 12Vdc or 24Vdc.
Place the « jumpers » to select 12Vdc or 24Vdc supply to your magnetic locks



Example N°3: Access Control + Exit Button



Input voltage: 48 VDC.
Magnetic locks connected in series.

Reference : G0301EN0454V01
Extranet : EXE-CDVI_IM BO600RP-BO600RH CMYK A5 EN 01



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