



CDVI

EN ENGLISH

FR FRANCAIS

BO800RN
BO1200RN
PBO800RN60
PBO400RN40

Retrofit housing and retrofit handles
Bandeaux architecturaux et poignées ventouses



The installer's choice
cdvigroup.com

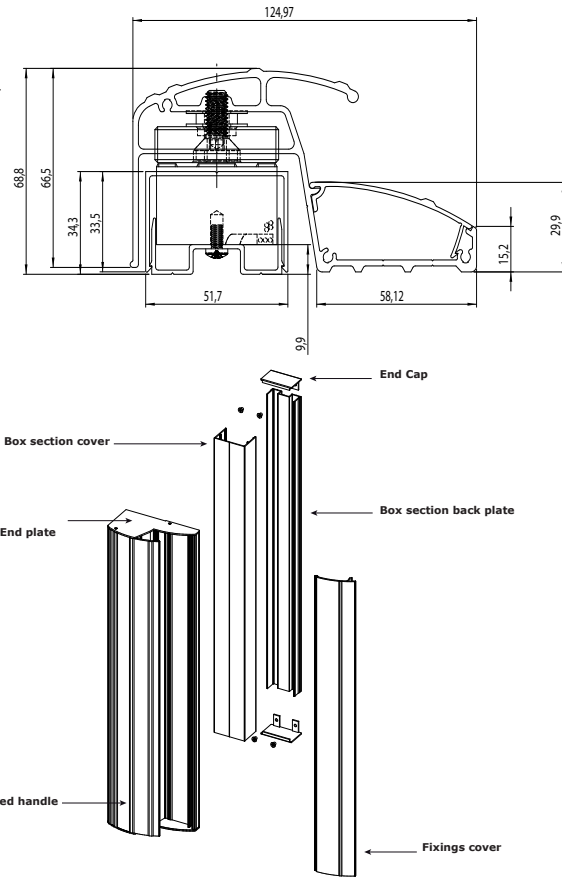
BO800RN

Retrofit housing and retrofit handles

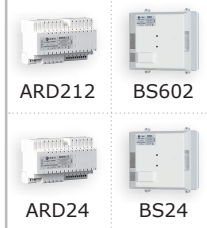
Thank you for buying our products and for the confidence you placed in our company.

1] PRESENTATION

- **NF S 61-937.**
 - **Ultra-quick installation.**
 - **Pre-drilled sections (adjustable).**
 - **Pre-assembled.**
 - **Attractive.**
 - **Width overlapping the previous installations.**
 - **Electromagnetic locks with terminal block.**
 - **Groove at back of the magnet housing for easy wiring access.**
- Holding force:
 - Retrofit handles = 400kg (PBO400RN40) or 800kg (PBO800RN60),
 - Retrofit housing BO800RN, from 2.5 to 4m = 2 x 400kg.
 - End caps for the ends of the handles and technical column.
 - Options:
 - three 400kg electromagnetic locks (Holding force: 1200kg - 12/24V dc),
 - Installation on glass door: UBKU & UBK25,
 - RAL colour,
 - Cut.
 - Voltage: 12/24/48V dc.
 - Consumption per 400kg electromagnetic lock:
 - 12V dc = 500mA.
 - 24V dc = 250mA.
 - Consumption for the twice 400kg electromagnetic lock in 48V dc = 275mA.



Recommended Power supplies



RoHS

WEEE

CE Certification

-20°C to +70°C

PATENTÉ BREVETÉ

BO800RN

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Product Details

	BO800RN	PBO400RN40	PBO800RN60
DESCRIPTION	RETROFIT HOUSING	RETROFIT HANDLE	RETROFIT HANDLE
Number of 400Kg magnets	2	1	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)	■	■	■

Finishes

	Standard				
	(Ref. Product) AL	(Ref. Product) CH	(Ref. Product) 9005	(Ref. Product) 9010	(Ref. Product) BT
Description	Anodised aluminium (SAA)	Anodised champagne	RAL Black	RAL White	Untreated
Number of 400Kg magnets	2	2	2	2	2
Lock section with cover	■	■	■	■	■
Architectural handle with fixing cover	■	■	■	■	■
End caps for handle	■	■	■	■	■
End caps for lock section	■	■	■	■	■
RAL colour (option)	-	-	-	-	■
Cut-to-length service provided (option)	■	■	■	■	■
Magnets & armatures supplied non-mounted (specify)	-	-	-	-	■
Monitored (Option)	■	■	■	■	■

2] INFORMATION & RECOMMENDATIONS

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.

Power Considerations

The handle is designed to house electromagnets with a holding force of 400Kg each. These units can be supplied by either 12Vdc or 24Vdc depending upon your preferred choice. 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 correct performance. For example, the BO800RN2.5m (2.5m housing with 2 magnetic locks) would require:

- PSU12/2 or ARD2/12 at 12Vdc
- PSU24/1 or ARD24 at 24Vdc.

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.



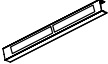




Wiring

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.

BO800RN

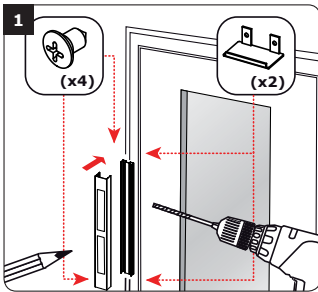
Retrofit housing and retrofit handles

3] MOUNTING KIT

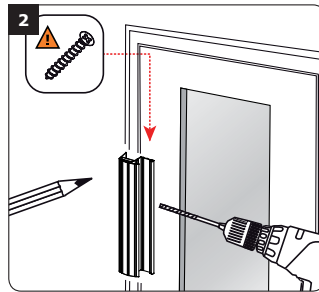
							
	Profiled handle with end caps	Profiled handle fixings cover	Box section back-plate	Box section cover	End caps	screws kit	Manual
BO800RN	1	1	1	1	2	1	1
PBO400RN40	1	1	1	1	2	1	1
PBO800RN60	1	1	1	1	2	1	1

4] ASSEMBLY

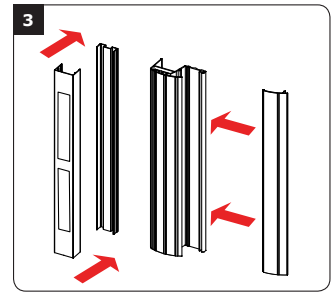
Before commencing assembly, ensure you have the correct tools and accessories depending on the installation.



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 M4 screws provided.



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 magnets in the handle. Adjust if necessary, then once satisfied, secure the handle by completing the fixings.



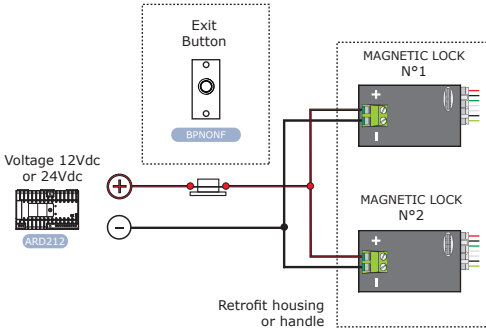
To finalise the assembly, tighten all fixings, and protect the handle fixing section by fitting the cover and end caps.

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5] WIRING

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

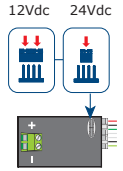


5-WAY TERMINAL STRIP NON MONITORED VERSION

+ 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»

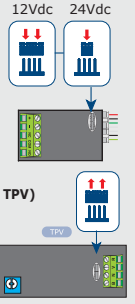
COM Common

NO Contact «Normally Open»

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

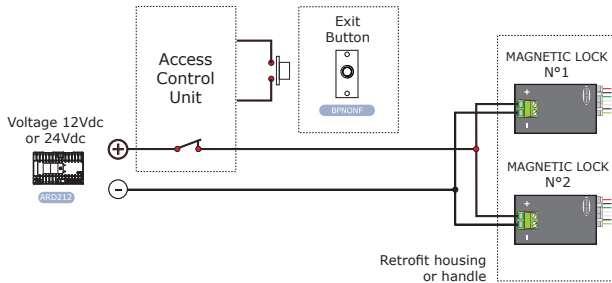
TIME RELAY FOR MAGNETIC LOCKS (REF: TPV)

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

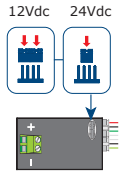


5-Way Terminal Strip - non monitored version

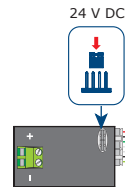
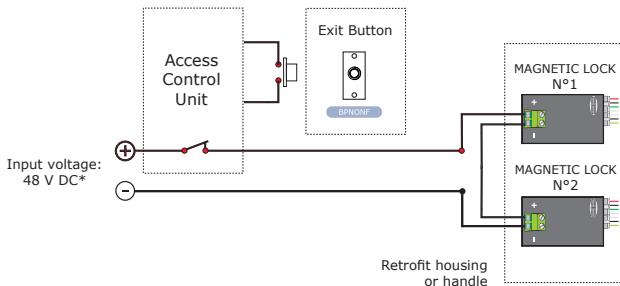
+ 12Vdc or 24Vdc positive *

- 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.

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6] NOTES

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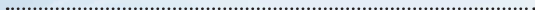
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