

Output Modules for Rollerblind Motor

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BDC-RO5A-230

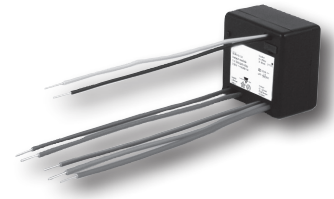
Up/down control of 1 rollerblind motor

Up/down interlocking for motor

AC power supply

Channel coding by BGP-COD-BAT

Design for mounting in euro box



OUTPUT SPECIFICATIONS

Outputs		1 SPST relay & 1 SPDT relay		Mechanical lifetime	≥ 30 x 10 ⁶ operations
Resistive loads	AC 1	5 A/250 VAC (1250 VA)		Electrical lifetime	
	DC 1	0.25 A/250 VDC (62 W)		(at max load)	AC 1 ≥ 2.0 x 10 ⁵ operations
Inductive loads		or		Operating frequency	≤ 7200 operations/h
	AC 15	2.5 A/230 VAC		Insulation voltage	
	DC 13	5 A/24 VDC		Outputs - smart-house	≥ 4 kVAC (rms)
				Response time	1 pulse train

GENERAL SPECIFICATIONS

Output OFF delay				Humidity (non-condensing)	20 to 80%
Upon loss of smart-house carrier		20 ms		Mechanical resistance	
Power ON delay		Typ. 2 s		Shock	15 G (11 ms)
Power OFF delay		≤ 1 s		Vibration	2 G (6 to 55 Hz)
Environment				Dimensions (h x w x d)	50 x 50 x 30
Pollution degree		3 (IEC 60664)		Material	ABS
Operating temperature		-20° to +50°C (-4° to +122°F)		Weight	100 g
Storage temperature		-50° to +85°C (-58° to +185°F)			

SUPPLY SPECIFICATIONS

Power supply AC types		Installations cat. III (IEC 60664)		Supply - smart-house	≥ 4 kVAC (rms)
Rated operational voltage through wire L & N				Supply - Outputs	≥ 4 kVAC (rms)
		230 VAC ± 15% (IEC 60038)		smart-house - Outputs	≥ 4 kVAC (rms)
Frequency		45 to 65 Hz		Consumption on smart-house	
Drop-out tolerance		≤ 40 ms		Normal consumption	≤ 0.5 mA
Power consumption		Typ. 3.3 VA		Consumption 1 relay on	≤ 1.8 mA
Power dissipation		≤ 2 W		Consumption 2 relay on	≤ 3.2 mA
Transient protection volt.		4 kV			
Insulation voltage					

MODE OF OPERATION

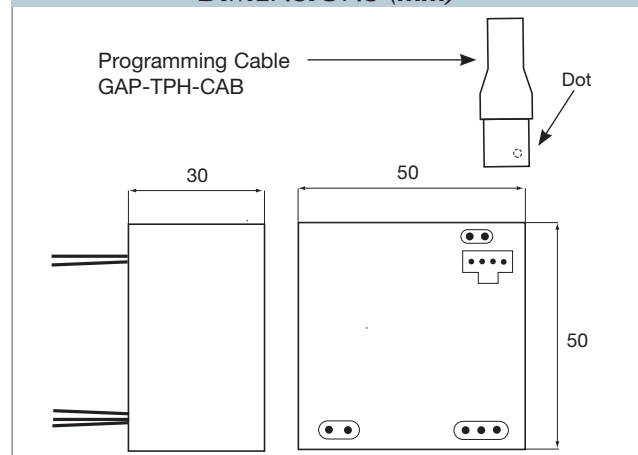
As indicated on the wiring diagram, there are two relays in series to control the motor. O1 is used to switch the Motor ON/OFF and O2 is used to control the direction of the Motor UP/DOWN. In this way, it is made sure that the motors are not controlled UP and DOWN at the same time (interlocking). O1 and O2 may be coded individually by means of the code programmer

BGP-COD-BAT. The default setting of the module is to switch all outputs off in case of loss of smart-house carrier signal. The smart-house controller provides intelligent functions that makes it easy for the user to control the rollerblind motors individually or several at the same time (all UP or all DOWN).

TYPE SELECTION

Supply	Ordering no.
230 VAC	BDC-RO5A-230

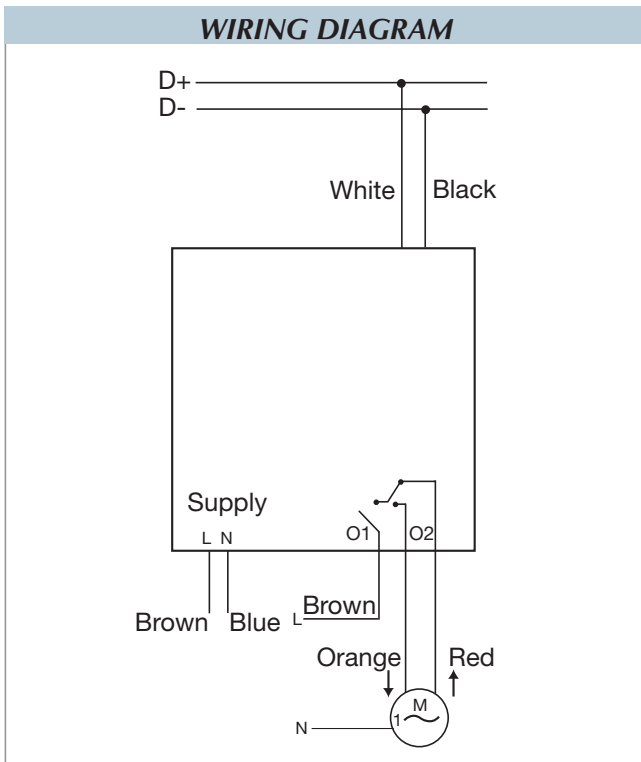
DIMENSIONS (mm)



Output Modules for Rollerblind Motor



WIRING DIAGRAM



WIRING CONNECTIONS

Bus:	White =	smart-house signal, D+
	Black =	smart-house signal, D-
Supply:	Brown =	L
	Blue =	N
Output:	Brown =	O1, Motor on/off
	Orange =	O2, Motor up/down
	Red =	O2, Motor up/down

Bus wires: 2 x 0,75 mm²
 250V isolation, single core, 150 mm

Supply, Output: 5 x 1,5 mm²
 250V isolation, single core, 150 mm

ACCESSORIES

Programming cable to BGP-COD-BAT GAP-TPH-CAB