

Output Module for Rollerblind Motor Type G 8830 2149 230



- Up/down control of 1 rollerblind motor
- Up/down interlocking for motor
- AC power supply
- Channel coding by GAP 1605
- Design for mounting in Euro box

Product Description

Dupline[®] output module for up/down control of one rollerblind motor. A built-in up/down interlocking function protects the motors. The motor requires two Dupline[®] channels, one for "UP" and one for "DOWN". For intelli-

gent control of the rollerblind motors it is recommended to use the Master Generator G3800x01x which has this function built in.

Ordering Key

G 8830 2149 230

Type: Dupline[®] _____
Housing _____
Receiver _____
No. of channels _____
Output type _____
Power supply _____

Type Selection

Supply	Ordering no.
	2 channel 5 A/250 VAC
230 VAC	G 8830 2149 230

General Specifications

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

Supply Specifications

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

Output Specifications

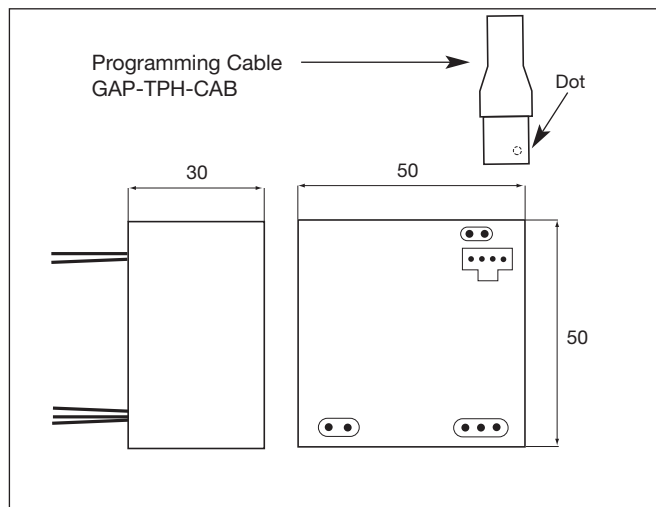
Outputs		1 SPST relay & 1 SPDT relay
Resistive loads	AC 1	5 A/250 VAC (1250 VA)
	DC 1	0.25 A/250 VDC (62 W)
	or	
Inductive loads	AC 15	2.5 A/230 VAC
	DC 13	5 A/24 VDC
Mechanical lifetime		≥ 30 x 10 ⁵ operations
Electrical lifetime (at max load)	AC 1	≥ 2.0 x 10 ⁵ operations
Operating frequency		≤ 7200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

Mode of Operation

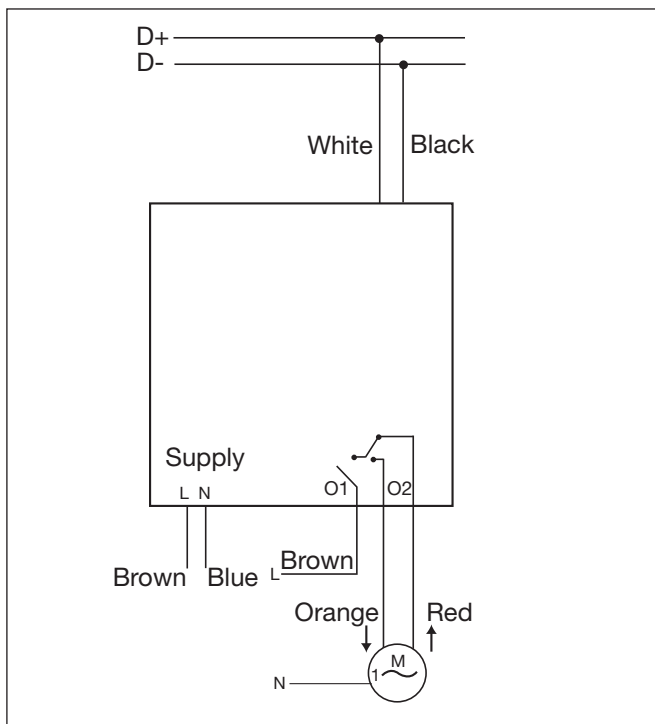
As indicated on the wiring diagram, there are two relays in series to control the motor. O1 is used to switch the Motor ON/OFF and O2 is used to control the direction of the Motor UP/DOWN. In this way, it is made sure that the motors are not controlled UP and DOWN at the same time (interlocking). O1 and O2 may be coded individually by means of the code programmer GAP 1605. The de-

fault setting of the module is to switch all outputs off in case of loss of Dupline® carrier signal. The Master Generator G380X01X 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).

Dimensions (mm)



Wiring Diagram



Wiring Connections

Bus:	White = Dupline signal, D+
	Black = Dupline 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 mm ² 250V isolation, single core, 150 mm
Supply, Output:	5 x 1,5 mm ² 250V isolation, single core, 150 mm

Accessories

Programming cable to GAP 1650 GAP-TPH-CAB