

Output Module for Rollerblind Motors Type G 3430 4249



- Up/down control of 2 rollerblind motors
- Up/down interlocking for each motor
- H4-housing
- For mounting on DIN-rail (EN 50022)
- LED-indications for supply Dupline® carrier and motor up/down
- AC power supply
- Channel coding by GAP 1605

Product Description

Dupline® output module for up/down control of two rollerblind motors. A built-in up/down interlocking function protects the motors. Each motor requires two Dupline® channels, one for “UP” and one for “DOWN”. There is a

LED indication for “UP” and “DOWN” for each motor. For intelligent control of the rollerblind motors it is recommended to use the Master Generator G38900014230, which has this function built in.

Ordering Key

G 3430 4249 024

Type: Dupline® _____
 H4-housing _____
 Receiver _____
 No. of channels _____
 Output type _____
 Power supply _____

Type Selection

Supply	Ordering no. 4 channel 5 A/250 VAC
24 VAC	G 3430 4249 024
115 VAC	G 3430 4249 115
230 VAC	G 3430 4249 230
15 to 30 VDC	G 3430 4249 824

Output Specifications

Outputs	2 SPST x 2 SPDT relays 2 x 2 μ (micro gap)
Isolated in groups of	
Contact ratings (AgCdO)	
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 ⁶ 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

Supply Specifications

Power supply AC types	Installations cat. III (IEC 60664)
Rated operational voltage	
through term. 21 & 22	230 230 VAC ± 15% (IEC 60038)
	115 115 VAC ± 15% (IEC 60038)
	024 24 VAC ± 15%
Frequency	45 to 65 Hz
Drop-out tolerance	≤ 40 ms
Power consumption	Typ. 3.5 VA
Power dissipation	≤ 9 W
Transient protection volt.	230 4 kV
	115 2.5 kV
	024 800 V
Insulation voltage	
Supply - Dupline®	≥ 4 kVAC (rms)
Supply - Outputs	≥ 4 kVAC (rms)
Dupline® - Outputs	≥ 4 kVAC (rms)
Power supply DC types	Installation cat. III (IEC 60664)
Operational voltage	
through term. 21 & 22	824 15 to 30 VDC (ripple included)
Ripple	≤ 3 V
Reverse-polarity protection	Yes
Current consumption	≤ 100 mA
Inrush current	≤ 1 A
Transient protection volt.	800 V
Insulation voltage	
Supply - Dupline®	≥ 200 VAC (rms)
Supply - Outputs	≥ 4 kVAC (rms)
Dupline® - Outputs	≥ 4 kVAC (rms)

General Specifications

Output OFF delay Upon loss of Dupline® carrier	20 ms
Power ON delay	Typ. 2 s
Power OFF delay	≤ 1 s
Indication for Supply ON Output ON Dupline® carrier	LED, green 4 LEDs, red (one per motor or direction) LED, yellow
Environment Degree of protection Pollution degree Operating temperature Storage temperature	IP 20 B 3 (IEC 60664) -20° to +50°C (-4° to +122°F) -50° to +85°C (-58° to +185°F)
Humidity (non-condensing)	20 to 80%
Mechanical resistance Shock Vibration	15 G (11 ms) 2 G (6 to 55 Hz)
Dimensions	
Material (see Technical informations)	H4-housing
Weight	300 g

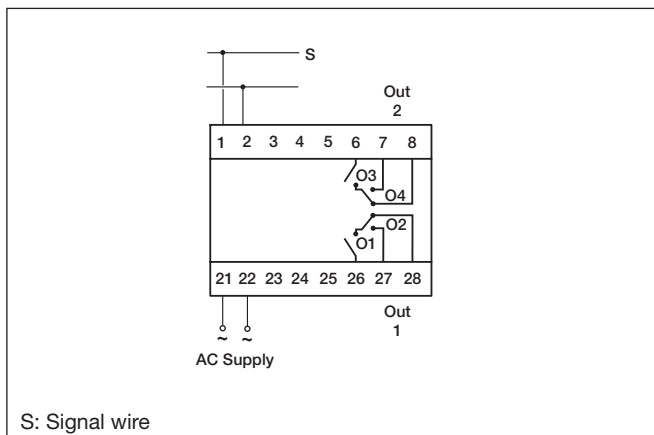
Mode of Operation

As indicated on the wiring diagram, there are two relays in series to control each motor. O1 is used to switch Motor 1 ON/OFF and O2 is used to control the direction of Motor 1 UP/DOWN. Correspondingly O3 (ON/OFF) and O4 (UP/DOWN) are used to control Motor 2. In this way, it is made sure that the motors are not controlled UP and DOWN at the same time (interlocking). O1, O2, O3 and

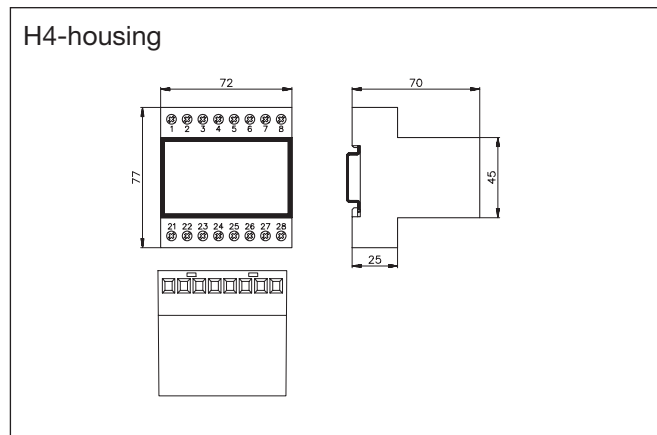
O4 may be coded individually by means of the code programmer GAP 1605. The default setting of the module is to switch all outputs off in case of loss of Dupline® carrier signal.

The Master Generator G38900014 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).

Wiring Diagram



Dimensions (mm)



Accessories

DIN-rail FMD 411

For further information, see "Accessories".