



DATA SHEET

DRM 8

Relay and driver control modules

Article number 09501233



[Internetlink](#)

Function

Relay and blind control devices facilitate the switching of electrical consumers separately from the system potential. Use is very flexible as a result and involves awnings and gate actuators in addition to luminaires and other single-phase consumers. To switch multiphase consumers or consumers with high loads, downstream contactors, for example, are recommended. The DRM 8 is a latest generation multi-function relay module which, thanks to its configurable operating modes, combines three differing switching modules.

1. Four-way shutter control unit: In this operating mode you can control up to four drives for e. g. roller blinds, awnings and skylights; whereby the device automatically observes the transit times between the directions of shutter movement. With appropriate configuration of the channel generator it is possible to achieve slat control in steps of seconds.
2. Four-way Venetian blind control unit with step-mode: This operating mode is particularly suitable for actuating Venetian and vertical-slatted blinds because the hardware offers a step mode for fine adjustment. This enables stepped pulsing of 100 ms duration.
3. Eight-way relay module for switching up to eight independent loads. In this operating mode all eight relays operate independently of each other.

With its back-lit display on the front panel and its four navigation buttons, the relay module provides for especially simple menu-guided configuration and operation. It supports, among others, the following functions: Setting of Dupline addresses, thereby obviating the need for a DHK 1 hand encoder when commissioning, Setting of the relay priority-switching in the event of bus failure.: On/Up, Off/Down and "No Action"; - Setting the pulse/pause ratio from 100 ms:900 ms to 800 ms:200 ms when in the Venetian blind control mode, Option of manual operation of all channels when off-line, e. g. during commissioning. In standard mode the display shows the current switching mode of the 16 A relays, which feature large capacity reserves especially for the "Roller blind" and "Venetian blind modules". An additional LED warns visually of disruptions, e. g. a missing bus signal.

Features

Combines three devices: 4-way shutter control and Venetian blind unit and 8-way relay module, 8 powerful 16 /230 V AC relays, LC display, 2 x 16 characters with configurable background lighting, LED for display of warning and status messages, Menu-guided system set-up and storing/deleting processes, Operating voltage: 24 V DC, Dimension: 4 module widths

Mounting

quick fastening to mounting rail, any installation position

Applications

Based on its configurability, the module can be used flexibly in connection with the Dupline bus system: for switching electrical consumers such as luminaires, pumps, magnetic valves, for controlling motors for roller shutters, awnings and windows, for precise control of motors for blinds with slat adjustment.

Notes

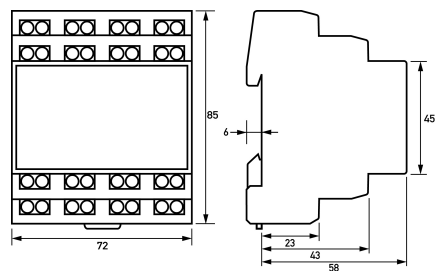
In the operating mode "Venetian blind module" the DRM 8 operates with pulses from 100 ms duration. Use this operating mode, therefore, only with those electronic devices which will support such times. If in doubt contact the manufacturer of the motor, The DRM 8 replaces the Dupline components DRO 2, DRO 4b, DRO 4c and DSM 8.

Technical Data

Technical Data	DRM 8
Series	DRM 8
design	Dupline
max. IF Bus system output channel	8
current consumption bus	0.9 μ A (0.8 μ A ... 1 μ A)
Operating voltage (DC)	24 V (21.5 V ... 26.5 V)

Technical Data	DRM 8
max. Ripple voltage	0.1 V
Current consumption (DC)	0.014 A ... 0.166 A
	Display menügeführte Bedienung
Type	LC display (alphanumeric)
Dimensions	W 43.9 mm · H 10 mm
number of lines	2
Characters per line	16
	Display Warning notice
Type	LED
	Load circuit
Specification	Relay
Number	8
Rated voltage (AC)	12 V ... 250 V
Rated voltage (DC)	12 V ... 30 V
max. Output O1 rated power glow lamps	3000 VA
max. Output O1 rated power HV halogen lamps	2500 VA
max. Output O1 Rated power fluorescent lamp compensated	600 VA
max. Output O1 Rated power fluorescent lamp not compensated	2400 VA
	Strain relief clamp (Voltage supply)
Clamping area	0.4 mm ² ... 2.5 mm ²
Tightening torque	max. 0.6 Nm
General data description	General data
Operating position	any
Ambient temperature	-10 °C ... 45 °C
Permissible humidity	max. 85 %
Housing type	Distributor housing
Mounting type	Mounting rail
Housing material	Polycarbonate (PC)
Protection class	IP20
Width	72 mm
Height	85 mm
Depth	65 mm
Installation depth	58 mm
Width (modules)	4
Design requirements/Standards	EN 60669-1, EN 60669-2, EN 50090-2-2, EN 50428, EN 55022, EN 55024, EN 61000-6-1, EN 61000-6-3

Dimensions



Dimensional drawing Group view