

The Control unit CU10.8 is a robust and versatile control solution designed for a wide range of applications. This autonomous system ensures reliability even in the absence of an internet connection, thanks to its manual control options via conventional physical buttons utilizing digital inputs. For ease of use and enhanced accessibility, the module can also be operated remotely through a dedicated mobile application. The Control unit controls eight independent relays each one can be configured as light or blind function.

The operating switch mode on the device can turn the device on test mode to check your installation. The operating state, information, offers a clear state about the device for debugging as well as the state of each relay
The control unit is a rail-mounted device for insertion in the distribution board. The connection to MBUS is established via a screw terminals.

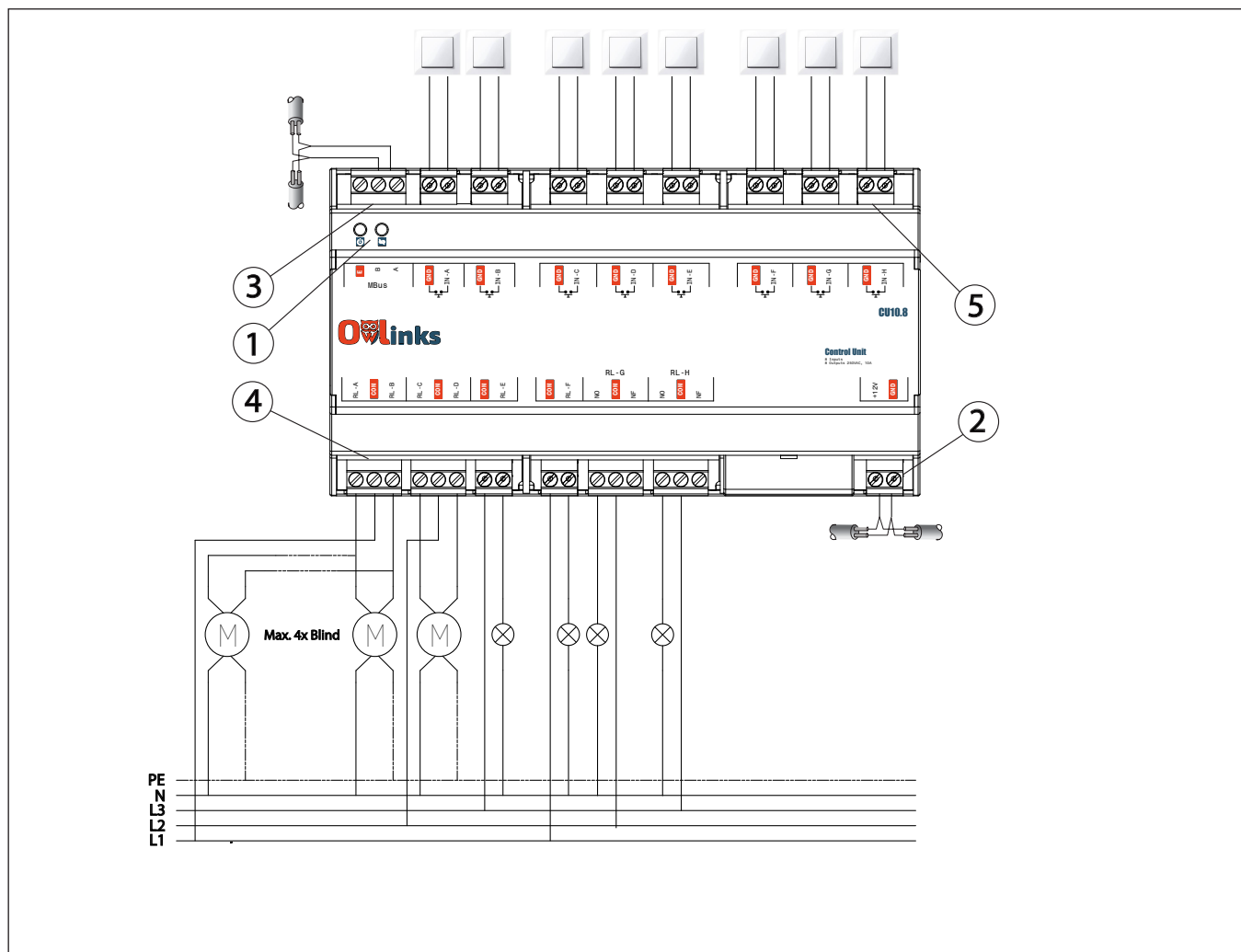
Technical data

Power supply	Operating voltage	12 VDC
	Current consumption	< 450 mA
Outputs	8 Outputs relay	250 VAC, 10A
Input	8 Disgital Inputs	12 VDC
Operating and display elements	Device Status	<ul style="list-style-type: none"> - Blink Green : wiring test mode (fuction switch) each input corresponds to its respective output in sequential order (Switch button) - Study Green : Device connected - Study Red & Study Green : Device not connected (Only manual mode is available), MBus connection need to be cheked - Blik Red & Study Green : Device not scanned (Only manual mode is available), Device need to be scanned through the mobile App - Study Red : Setting mode, Device need to be reset (Reset Button)
	Status Relay red LEDs	1 LEDs per output for Open/Closed Relay
	Switch mode	1 switch for switchover between test and normal mode
	MBus adress	1 rotative DIP switch for selecting MBUS adress
Connections	Power Supply	2 screw terminals (Vcc/GND), Wire Gauge 14-30 AWG
	MBUS	3 screw terminals (A/B/E), Wire Gauge 14-30 AWG
	Digital inputs	2 screw terminals, per input Wire Gauge 14-30 AWG
	Digital Outputs	2 or 3 screw terminals, as per the outputs cofiguration Wire Gauge 14-30 AWG
Enclosure	IP 20, EN 60 529	
Ambient temperature range	Operation	-40° C ... +105° C
	Storage	-40° C ... +70° C
	Trasport	-40° C ... +70° C

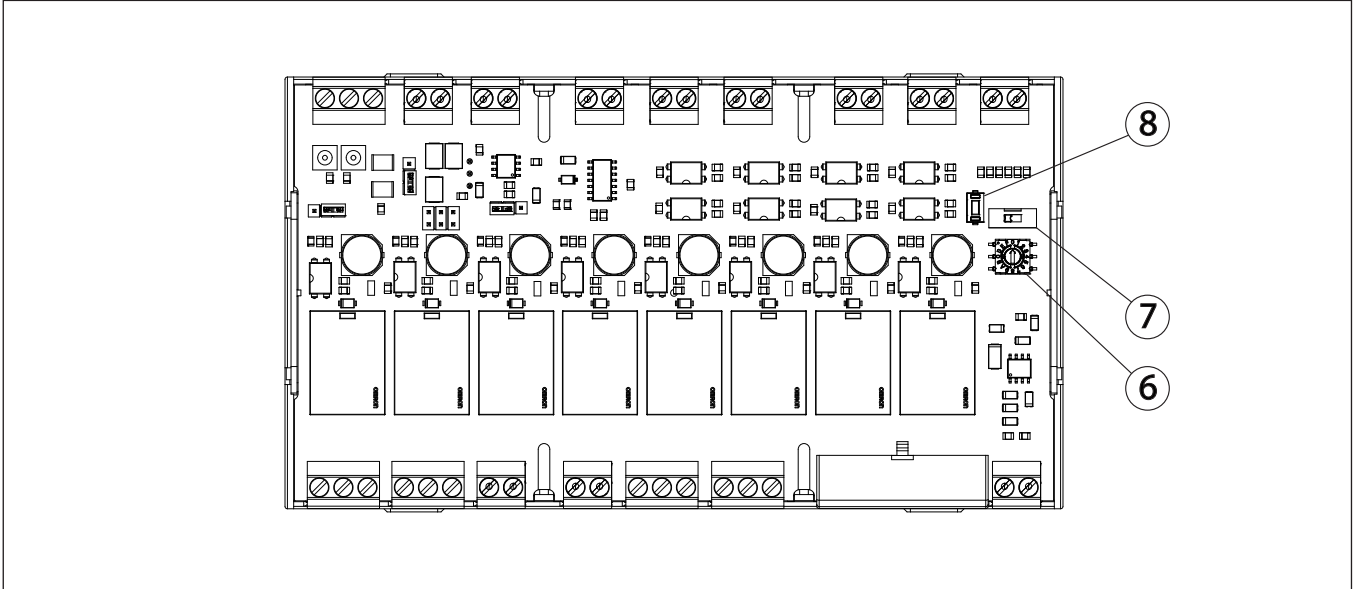
Design	DIN rail housing for use in distribution boards in accordance with DIN 43880	
Housing, colour	Polycarbonate housing, light grey (7035)	
Installation	On 35 mm mounting rail	to DIN EN 50 022
Dimensions	161.6 x 89.7 x 54.85 mm (H x W x D)	
Weight	Approx. 0.25 kg	
Mounting position	As required	

Note: The programming requires Gateway unit to configure the function of each outputs as well as the blind cycle time.

Circuit diagram



Inside the enclosure



- | | |
|-------------------------------|--------------------------------------|
| 1 Leds Device Status | 6 Reset Button |
| 2 12 V DC power supply | 7 Switch mode |
| 3 Bus connection terminal | 8 MBus Address (Rotative DIP Switch) |
| 4 Outputs connection terminal | |
| 5 Inputs connection terminal | |

Dimension drawing

