

DDRC810DT-GL

Eight-Channel Relay Controller



Specification Sheet

Controllers > Relay Controllers



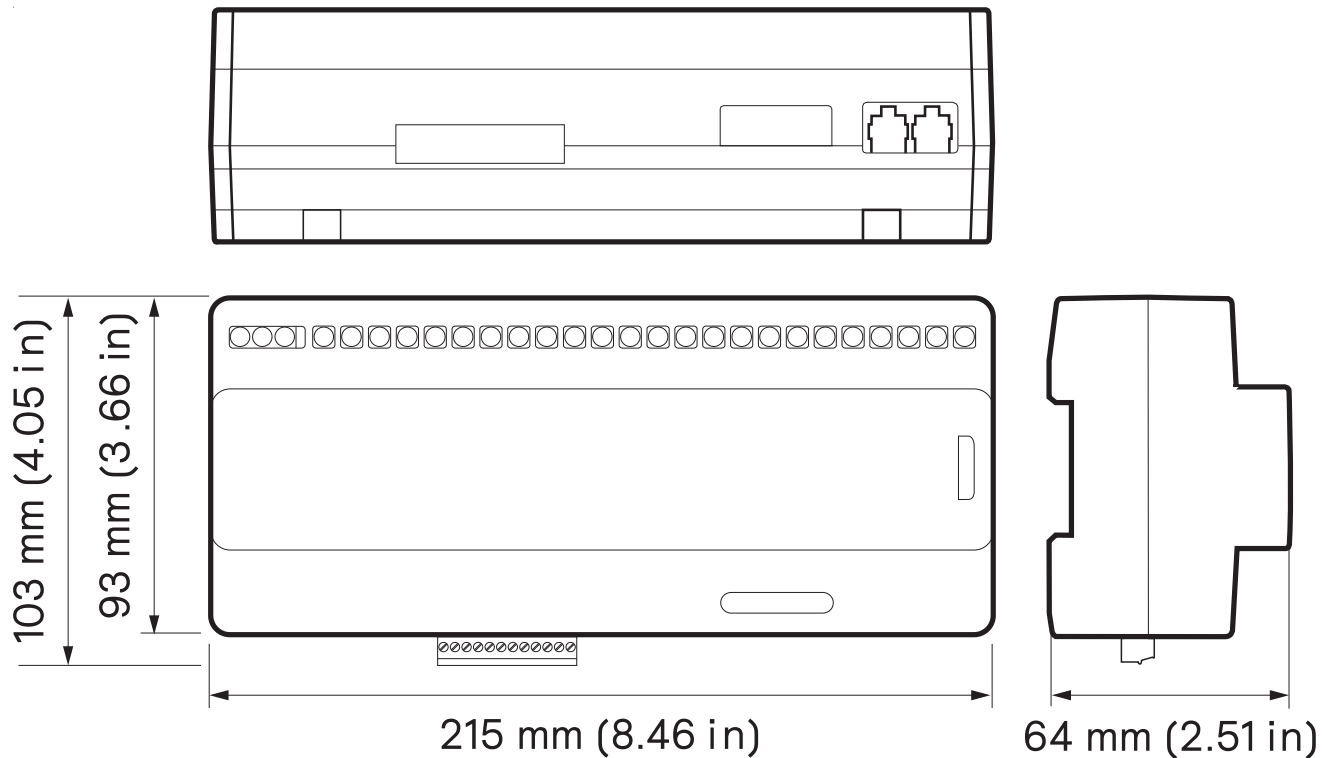
Designed to operate any type of switched load

The Dynalite DDRC810DT-GL is ideal for controlling bi-directional motors such as curtains and blinds. This eight-channel device is suitable for any switched load up to 10 A per channel, with a maximum box load of 40 A.

Key Features

- **Voltage-free changeover SPDT output relays** – Perfect for controlling bidirectional motors
- **Flexible mounting** – DIN rail mounting clips designed for installation into the distribution board supplying power to the controlled circuits.
- **Inbuilt diagnostic functionality** – Circuit run time tracking on each channel
- **Standalone or networked operation** – Can operate as a discrete standalone unit, or as part of an integrated control system when connected to the DyNet network.
- **8 dry contact inputs** – Receives instructions from voltage-free button presses.

Dimensions



Specifications

Electrical	
Supply Type	Single-phase
Supply Voltage	100-240 VAC 50/60 Hz
Supply Current	0.25 A
DyNet DC Output Voltage	12 VDC
DyNet DC Output Current	120 mA (supports approx. 6 user interfaces)
Outputs	8 x switched SPDT voltage-free changeover
Maximum Device Load	40 A
Maximum CH-CH Voltage	400 VAC

Control	
Communication Ports	1 x RS-485
Supported Protocols	DyNet DMX512
DMX Rx Channels	8
Dry Contact Inputs	8 + 1 (AUX)
User Controls	1 x service switch 8 x channel override switch
Indicators	1 x service LED

Physical	
Dimensions	93 x 215 x 64 mm (3.66 x 8.46 x 2.51 in)
Packed Weight	0.54 kg (1.19 lb)
Construction	Polycarbonate DIN rail enclosure (12 unit)
Serial Ports	1 x 6-way pluggable screw terminal 2 x RJ12
Serial Port Conductor Size	0.3-2.5 mm² (#22-12 AWG)
Output Terminals	3 x screw terminal
Output Terminal Conductor Size	≤5 mm² (#10+ AWG)
Supply Terminals	3 x screw terminal
Supply Terminal Conductor Size	≤5 mm² (#10+ AWG)
Maximum Dry Contact Cable Length	20 m

Environment	
Operating Temperature	0° to 50°C ambient (32° to 122°F)
Storage/Transport Temperature	-25° to 70°C ambient (-13° to 158°F)
Relative Humidity	≤90% non-condensing
IEC Pollution Degree	II
Installation Note	For indoor installation only

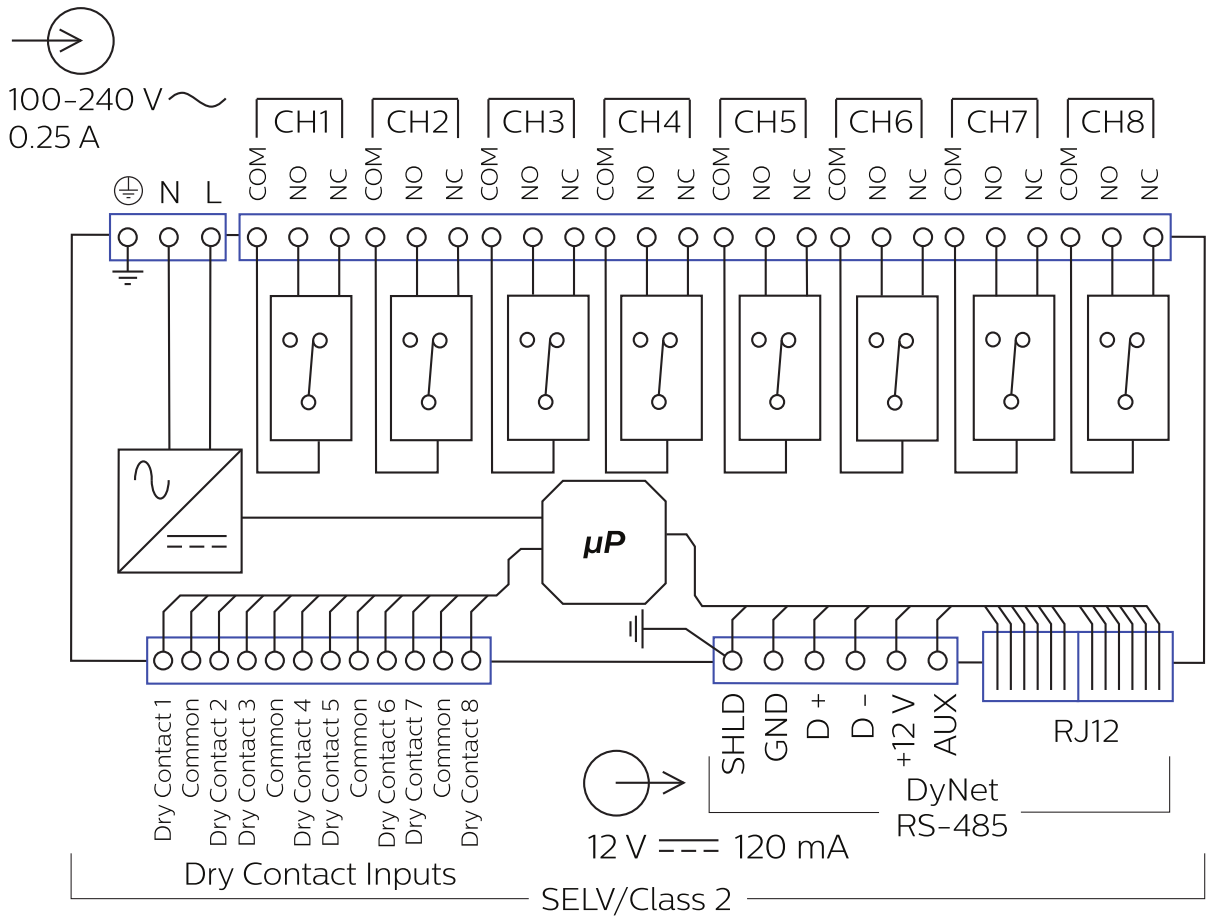
Compliance	
Certifications	CE, RCM, UL/cUL, FCC, UKCA, RoHS



Output Channel Ratings

Load Type		CH1-CH8 N/O
General Use		10 A, 240 VAC 5 A, 24 VDC
Incandescent		5 A, 240 VAC
Electronic Driver		1 A, 120 VAC 0.5 A, 240 VAC
Motor		9.8 FLA (½ HP), 120 VAC 8 FLA (1 HP), 240 VAC
Inrush Current		100 A
TV Rating		TV-5, 120 VAC
Load Type		CH1-CH8 N/C
General Use		5 A, 240 VAC 5 A, 24 VDC
Total Device Load		
≤ 40 A		
NOTE		
• Snubbers/spark killers not fitted – de-rate for reactive loads • Functional isolation only between switched outputs • Do not mix SELV and non-SELV loads on the same device		

Electrical Drawing



Ordering Codes

Product	12NC
DDRC810DT-GL	913703035209