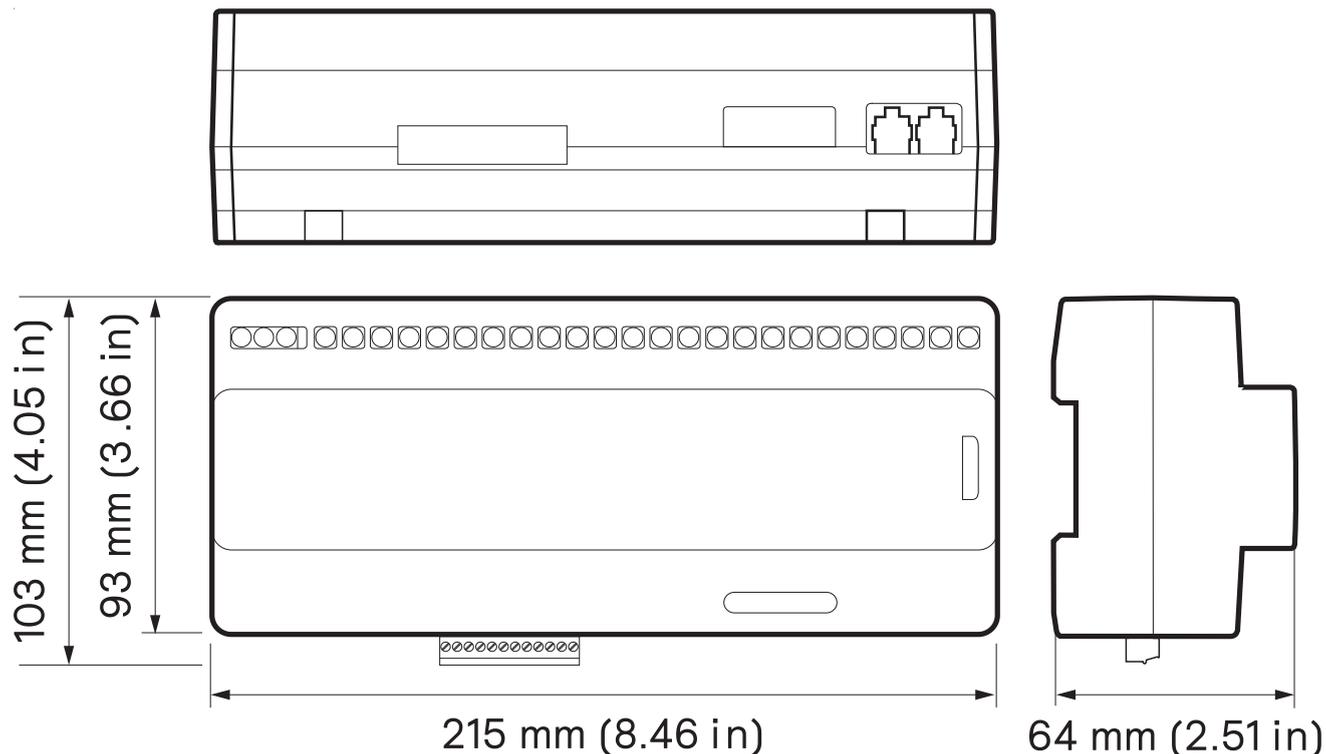


Key Features

- **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

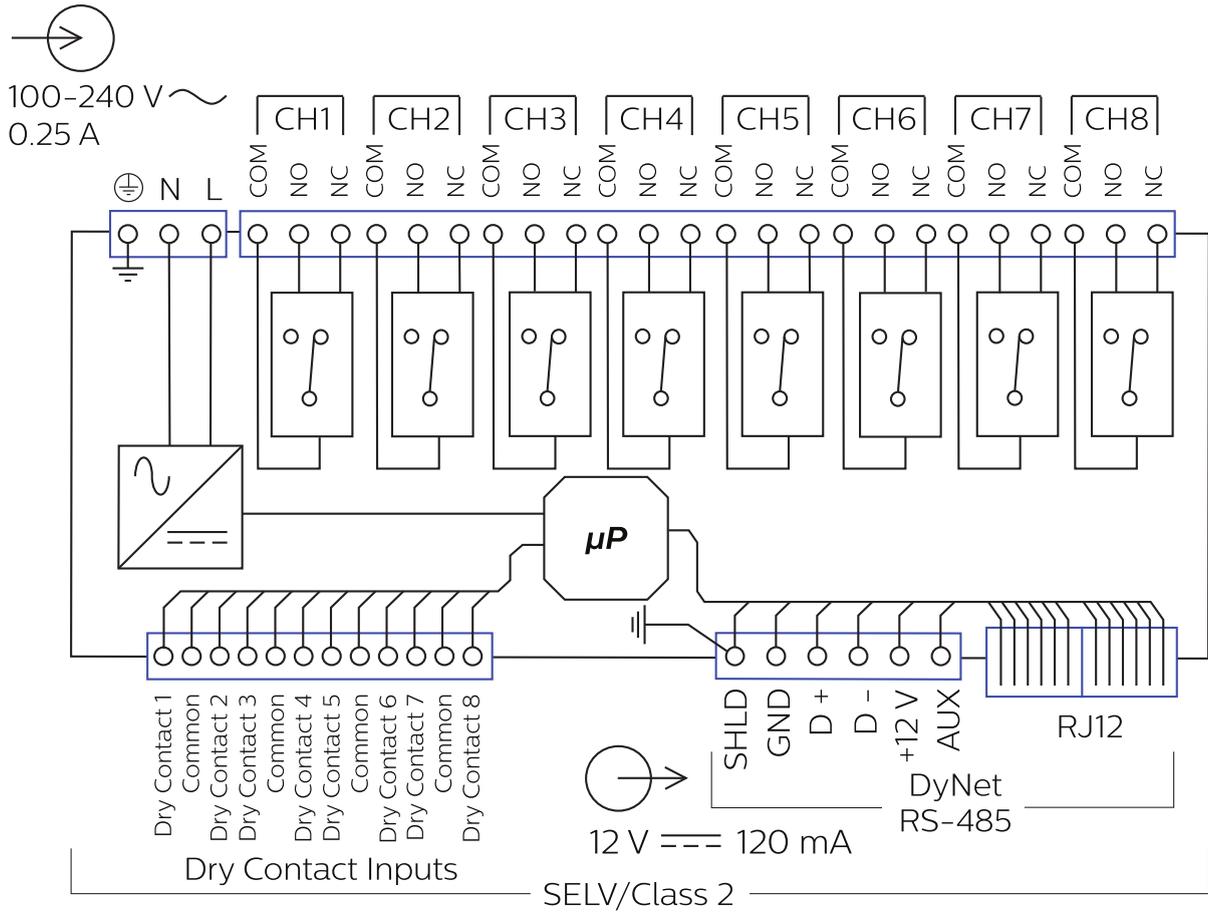
Electrical		Physical	
Supply Type	Single-phase	Dimensions	93 x 215 x 64 mm (3.66 x 8.46 x 2.51 in)
Supply Voltage	100-240 VAC 50/60 Hz	Packed Weight	0.54 kg (1.19 lb)
Supply Current	0.25 A	Construction	Polycarbonate DIN rail enclosure (12 unit)
DyNet DC Output Voltage	12 VDC	Serial Ports	1 x 6-way pluggable screw terminal 2 x RJ12
DyNet DC Output Current (supports approx. 6 user interfaces)	120 mA	Serial Port Conductor Size	0.3-2.5 mm ² (#22-12 AWG)
Outputs	8 x switched SPDT voltage-free changeover	Output Terminals	3 x screw terminal
Maximum Device Load	40 A	Output Terminal Conductor Size	≤5 mm ² (#10+ AWG)
Maximum CH-CH Voltage	400 VAC	Supply Terminals	3 x screw terminal
		Supply Terminal Conductor Size	≤5 mm ² (#10+ AWG)
		Maximum Dry Contact Cable Length	20 m
Control		Environment	
Communication Ports	1 x RS-485	Operating Temperature	0° to 50°C ambient (32° to 122°F)
Supported Protocols	DyNet DMX512	Storage/Transport Temperature	-25° to 70°C ambient (-13° to 158°F)
DMX Rx Channels	8	Relative Humidity	≤90% non-condensing
Dry Contact Inputs	8 + 1 (AUX)	IEC Pollution Degree	II
User Controls	1 x service switch 8 x channel override switch	Installation Note	For indoor installation only
Indicators	1 x service LED	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	
<ul style="list-style-type: none">• 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