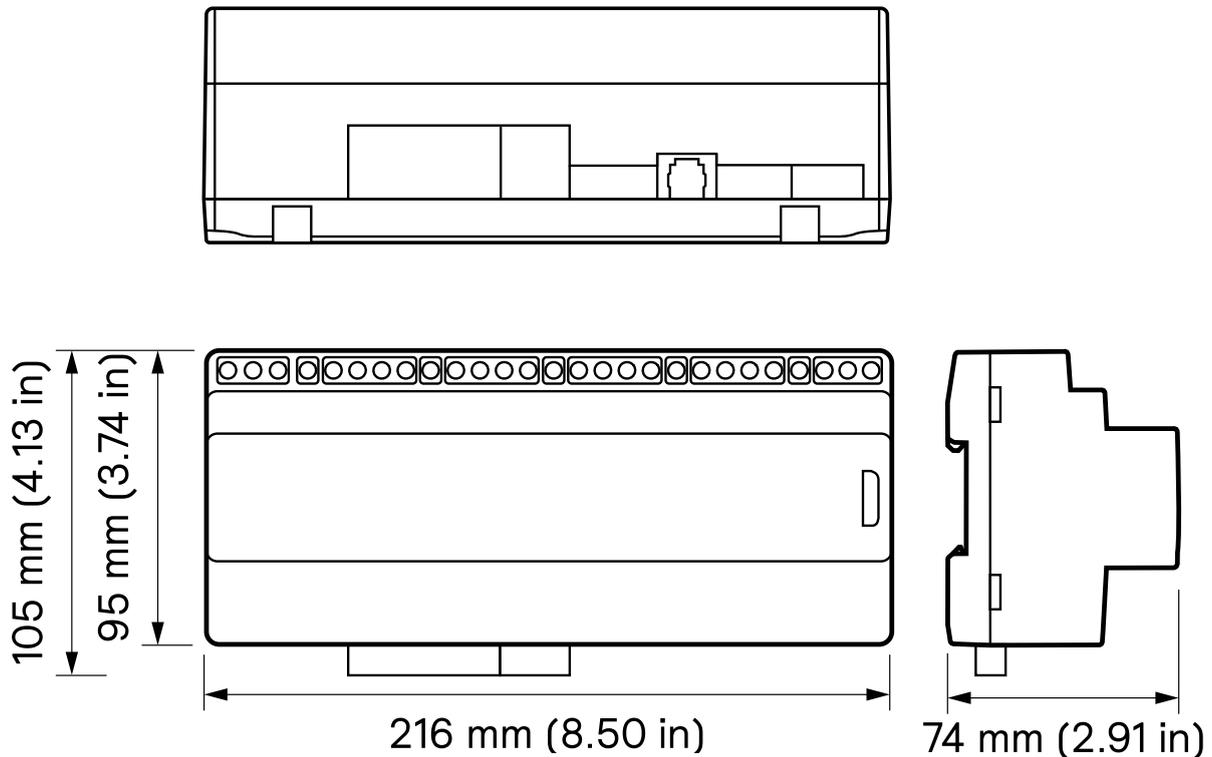


Key Features

- **Single-box solution** - Compact design offers small installation footprint and reduced cabling for a simpler and faster installation.
- **Inbuilt Ethernet port** - Directly connecting to a site's Ethernet LAN, the device can securely report its status and pass network messages via the Dynalite PDDEG-S.
(Each PDDEG-S supports encrypted communication with up to 25 controllers)
- **Pre-programmed** - Can be preloaded with bespoke configuration to immediately meet the project's needs from the moment it powers up.
- **Powerful processor** - Can perform advanced scripted functions and provide automated intelligent responses to multiple inputs.
- **Mixture of switching relays** - Supports a combination of different relay ratings and types for the perfect blend of performance and cost-effectiveness.
- **18 dry contact inputs** - Provides simple integration with third-party devices and systems.
- **64 channel DMX output** - Adds colour and dimming control for dramatic lighting effects.
- **UL 924 input** - Integrates seamlessly with compatible emergency systems.
- **Four 12 V digital outputs** - Designed to drive room status indicator LEDs in common cathode configuration, and trigger additional devices such as doorbells.
- **300 mA DyNet output** - Directly power DyNet devices without the need for an additional network power supply.
- **Unique LAN addressing** - Two banks of DIP switches enable the installer to manually set the device's network identification.

Dimensions



Specifications

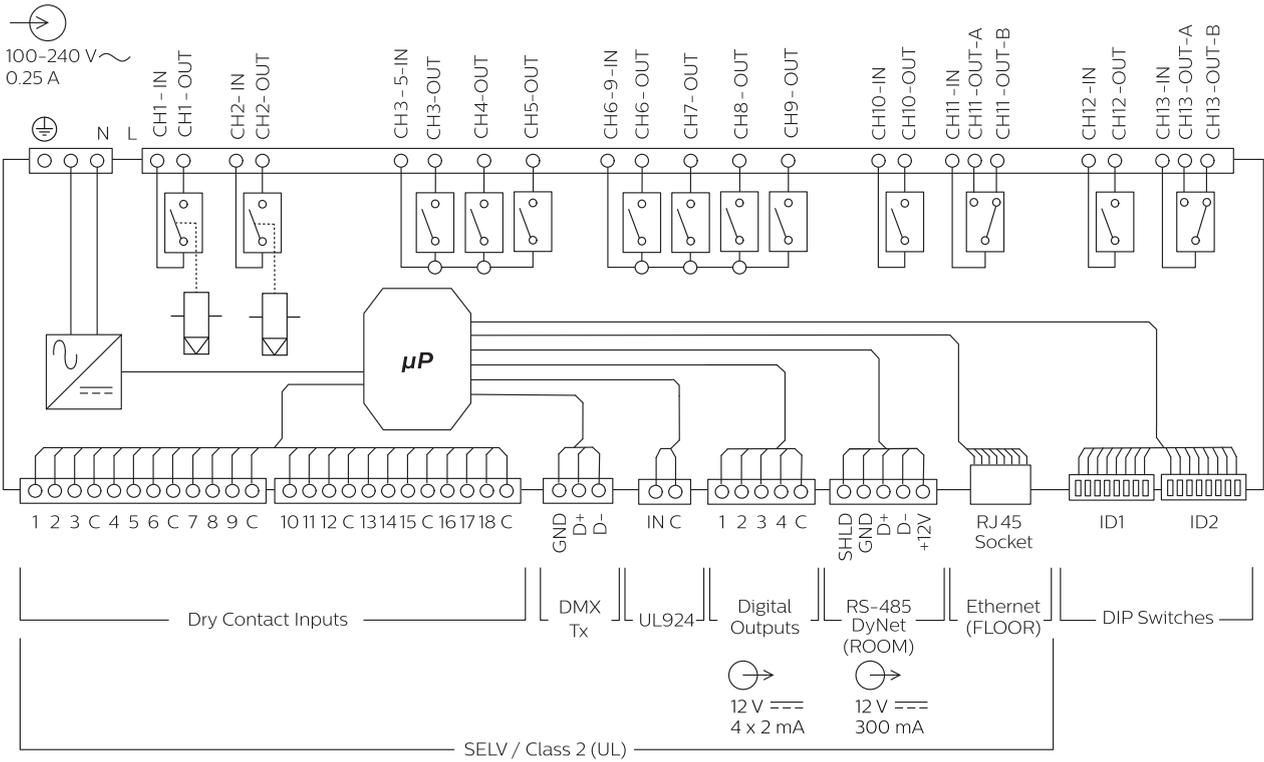
Electrical		Physical	
Supply Type	Single-phase (ALL inputs must be powered on the same phase)	Dimensions	105 x 216 x 74 mm (4.13 x 3.74 x 2.91 in)
Supply Voltage	100-240 VAC	Packed Weight	0.67 kg (1.48 lb)
Supply Current	0.25 A	Construction	Polycarbonate DIN rail enclosure (12 unit)
DyNet DC Output Voltage	12 VDC	Serial Ports	1 x 5-way pluggable screw terminal 1 x RJ45
DyNet DC Output Current	300 mA	Serial Port Conductor Size	0.3-2.5 mm ² (#22-12 AWG)
Digital Output Voltage	12 VDC	Digital Outputs	1 x 5-way pluggable screw terminal
Digital Output Current	2 mA	Digital Output Conductor Size	≤1.5 mm ² (#16+ AWG)
Switched Outputs	13	DMX / UL 924 Outputs	1 x 5-way pluggable screw terminal
Dry Contact / UL 924 Input Voltage	12 VDC max (SELV/Class 2) (no galvanic isolation on Dry Contact/UL 924 inputs)	DMX / UL 924 Output Conductor Size	≤1.5 mm ² (#16+ AWG)
Dry Contact / UL 924 Input Current	0.5 mA max	Dry Contact Input Terminals	2 x 12-way pluggable screw terminal
IEC Overvoltage Category	III	Dry Contact Terminal Conductor Size	≤1.5 mm ² (#16+ AWG)
Control		Output Terminals	24 x screw terminal
Communication Ports	1 x RS-485 1 x Ethernet (10/100 baseT) 1 x DMX	Output Terminal Conductor Size	≤6 mm ² (#10+ AWG)
Supported Protocols	DyNet DMX Tx TCP/IP (TCP, UDP) IPv4 IPv6	Supply Terminals	3 x screw terminal
DMX Tx Channels	64	Supply Terminal Conductor Size	≤6 mm ² (#10+ AWG)
Dry Contact Inputs	18	Environment	
UL 924 Inputs	1	Operating Temperature	0° to 50°C ambient (32° to 122°F)
Digital Outputs	4	Storage/Transport Temperature	-25° to 70°C ambient (-13° to 158°F)
User Controls	1 x service switch 2 x 8-bit DIP switches	Relative Humidity	≤90% non-condensing
Indicators	1 x service LED 2 x Ethernet activity LED	IEC Pollution Degree	II
Diagnostic Functions	Device online/offline status	Installation Note	For indoor installation only
		Compliance	
		Certifications	CE, RCM, UL, FCC, ISED, UKCA, RoHS



Output Channel Ratings

Load Type		CH1-CH2
General Use		20 A, 240 VAC
Resistive		20 A, 240 VAC
Incandescent		15 A, 120 VAC, 6 A, 240 VAC
Electronic Driver		15 A, 120 VAC, 6 A, 240 VAC
Motor		9.8 FLA (½ HP) @ 120 VAC, 8 FLA (1 HP) @ 240 VAC
Inrush Current		320 A
TV Rating		TV-8, 240 VAC
Load Type		CH3-CH5, CH6-CH-9
General Use		4 A, 240 VAC
Resistive		4 A, 240 VAC
Incandescent		4 A, 240 VAC
Electronic Driver		2 A, 120 VAC, 0.8 A, 240 VAC
Inrush Current		60 A
TV Rating		TV-8, 120 VAC
Load Type		CH10, CH12
General Use		6 A, 240 VAC
Resistive		6 A, 240 VAC, 1 A, 24 VDC
Incandescent		4 A, 240 VAC
Electronic Driver		2 A, 120 VAC, 0.8 A, 240 VAC
Motor		5.2 FLA (½ HP) @ 120 VAC, 4.3 FLA (⅓ HP) @ 240 VAC
Inrush Current		60 A
TV Rating		TV-8, 120 VAC
Load Type		CH11, CH13
General Use		6 A, 240 VAC
Resistive		6 A, 240 VAC, 1 A, 24 VDC
Incandescent		4 A, 240 VAC
Electronic Driver		2 A, 120 VAC, 0.8 A, 240 VAC
Motor		5.2 FLA (½ HP) @ 120 VAC, 4.3 FLA (⅓ HP) @ 240 VAC
Inrush Current		90 A
TV Rating		TV-5, 240 VAC
Load Type		CH11B, CH13B
General Use		6 A, 240 VAC
Resistive		6 A, 240 VAC, 1 A, 24 VDC
Maximum Group Load		
CH3-CH5		Continuous Current: 6 A
CH6-CH9		Continuous Current: 6 A
Total Device Load		
		≤ 76 A

Electrical Drawing



Ordering Codes

Product	12NC
DDRC-GRMS-E	913703334009