IMS320D10RLY

DALI 2 to 0/1-10V Power Pack with 20A Relay

Project

Catalog

Type

Date

Product Description

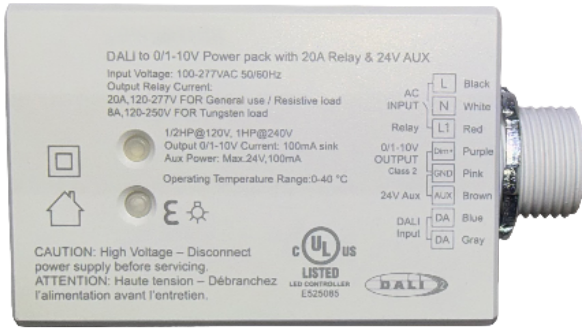
The IMS320D10RLY is a versatile lighting control interface that converts DALI commands into a 0/1-10V dimming signal while providing integrated load switching through a high-capacity 20A relay. Designed for commercial and industrial lighting applications, it supports 100-277VAC input and delivers a 0/1-10V, 100mA sink output for controlling compatible LED drivers and dimmable ballasts. The unit also features a 24V auxiliary power output for powering connected control devices. Its UL-listed, plenum-rated design makes it ideal for modern lighting control systems requiring reliable DALI-to-analog dimming conversion and load control.

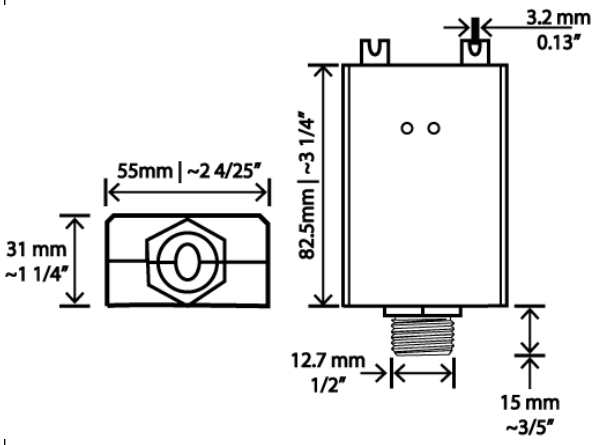
Construction
- IP20

Electrical
- Input voltage: 100-277VAC, 50/60HZ
- Input current: 20A
- 8A, 120-250V for Tungsten load
- Dimming output voltage: 0-10V
- Dimming output current: 100mA sink
- Auxiliary voltage: Max. 24V,100mA
- Operating Temperature: 0C - 40C
- Operating humidity: 8% - 80%
- DALI Bus Typical: 2mA
- 1/2HP@120VAC, 1HP@240VAC

Listings
- UL2043 Plenum Rated
- cULus listed
- DALI 2
- RoHS Compliant

Warranty
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge)





Ordering Information

Part Number	Description
IMS320D10RLY	**DALI 2 to 0-10V Power Pack with 20A Relay**

Specifications and dimensions subject to change without notice.

Specifications	
Dimensions	3.25" x 2.16" x 1.22" (82.5 x 55 x 31mm)
Rated Impulse Voltage	4000V
Pollution Degree	II
Operating Conditions	0°-40°C, 8-80% RH, non-condensing. Degree of protection: IP20
Interfaces	1 × DALI, 1 × 0/1-10V analog dimming output (100mA sink), 1 × 20A relay output, 1 × sensor input, 1 × 24VDC auxiliary output (100mA max).
Connection wires profile	AWG 22-12
Max switching power	2400W @ 120VAC (20A × 120V), 5540W @ 277VAC (20A × 277V)
Nominal switching capacity AC	20A @ 120-277VAC (General Use) 8A, 120-250V (Tungsten Load)
Relay contact switching voltage	120-277VAC
Motor	1/2HP@120VAC, 1HP@240VAC
Interface (1-10V)	0/1-10V analog dimming output, 100mA sink current
Certificates/Listings	DALI-2, cULus, RoHS, IP20

THIS LIMITED WARRANTY DOES NOT COVER THE FOLLOWING:
• Defects or damages resulting from improper installation, operation, storage, misuse or abuse, accident, or neglect;
• Defects or damages resulting from improper service, testing, adjustment, installation, maintenance, alteration, connection to out-of-specification electrical service, corrosive or damp environments, or connection to incompatible equipment or devices (e.g., connecting non-dimmable lighting products to dimmers);
• Damage which occurs in transit;
• Power surges or overheating due to external conditions • Acts of nature including but not limited to lightning strikes
ANY IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE SHALL BE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY,