

IMS3DXC

IMS Enabled DALI-2 Input Controller

Product Description

The IMS3DXC DALI-2 Input Controller provides DALI-2 control of low voltage devices such as switches or sensors. Powered via the DALI-2 bus, it is compatible with the NICOR IMS 3.0.

Construction

- Halogen-free, non-flammable polycarbonate housing
- 7 push-to-release wire ports: 2 DALI-2 output, 4 device input, 1 common
- Operates in temperatures from -4°F to 167°F (-20°C to 75°C)
- Storage temperature: -4°F to 167°F (-20°C to 75°C)

Electrical

- Powered via DALI-2 bus
- 3.3mA Typical, 3.6mA Max current draw
- Compact DALI-2 control module with 4 potential-free inputs
- Different DALI commands can be assigned to each input
- Four DALI-2 pushbutton instances are available for easy integration
- Short button press, long button press (with repetition for dimming) and <<toggle>> are supported
- DALI-2 control unit according to IEC62386-103
- Powered via DALI bus (DALI-voltage according to IEC62386 (2014))

Installation

- Wire ports accept 20-16 AWG solid or stranded wire
- Install into standard junction box behind sensor or switch

Listings

- IP20 Ingress Protection

Warranty

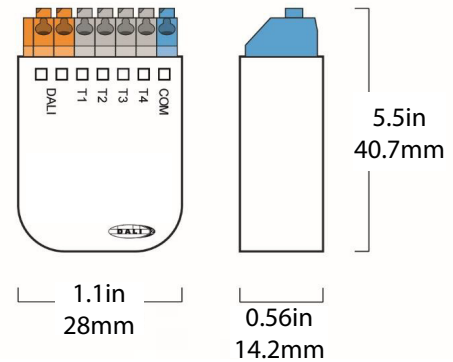
- 5-year limited system warranty
- Warranty does not cover product failure due to an overvoltage event (power surge)

Project

Catalog

Type

Date



Ordering Information

Series

IMS3DXC

Specifications and dimensions subject to change without notice.



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IMS Enabled DALI-2 Input Controller

| ELECTRICAL DATA | |
|--|---------------------------------------|
| Output Type | DALI, DALI-2, Multimaster |
| Terminal Markings | DA, DA |
| Voltage Range | 9.5 - 22.5 VDC according to IES62386 |
| Typ. current consumption DALI (16.5V) | 3.3mA |
| Typ. current consumption DALI (22.5V) | 3.6mA |
| DALI-2 addresses | 1 |
| INPUT | |
| Inputs for | Potential free button/switch |
| Number of inputs | 4 |
| Marking input terminals | T1, T2, T3, T4, COM |
| Minimum length of control pulse | 40ms |
| Control pulse length for long press | Configurable : 200 - 5100ms |
| INSULATION DATA | |
| Impulse voltage category | II |
| Pollution degree | 2 |
| Rated insulation voltage | 250V |
| Insulation DALI / mains | Reinforced isolation |
| Insulation test voltage DALI / mains | 3000VAC |
| ENVIRONMENTAL CONDITIONS | |
| Storing and transportation temperature | -4°F to 167°F (-20°C to 75°C) |
| Operation ambient temperature | -4°F to 167°F (-20°C to 75°C) |
| Rel. humidity, non-condensing | 15% - 90% |
| GENERAL DATA | |
| Rated maximum temperature (tc) | 167°F (75°C) |
| Protection degree - housing | IP40 |
| Protection degree - terminals | IP20 |
| TERMINALS | |
| Connection Type | Spring terminal connectors |
| Wire size : solid core | AWG 20-16 (0.5 - 1.5mm ²) |
| Wire size : fine wire | AWG 20-16 (0.5 - 1.5mm ²) |
| Wire size : ferrule ends | 0.25 - 1mm ² |
| Stripping length | 0.33 - 0.37 in (8.5 - 9.5mm) |
| Tightening / release of wire | Push mechanism |