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

- Input Voltage: 9.5-22.5VDC (Supplied from DALI bus)
- Input Current: 3.3mA Typical, 3.6mA Max current draw
- Compact DALI-2 control module with 4 potential-free inputs
- Supported actions per connected button Scene toggle, Zone Level and Zone Toggle
- Four DALI-2 push button instances are available for easy integration
- Short button press, long button press (with repetition for dimming) and Toggle (ON/OFF) 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)

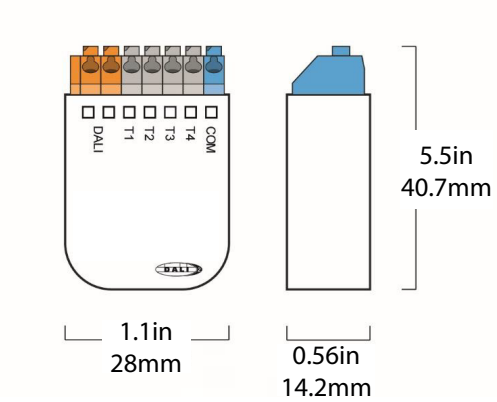
Project

Catalog

Type

Date





Ordering Information

Series
☐ IMS3DXC

Specifications and dimensions subject to change without notice.

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ELECTRICAL DATA	
Output Type	DALI, DALI-2, Multi master
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