

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 Typ. 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

Installation

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

Warranty

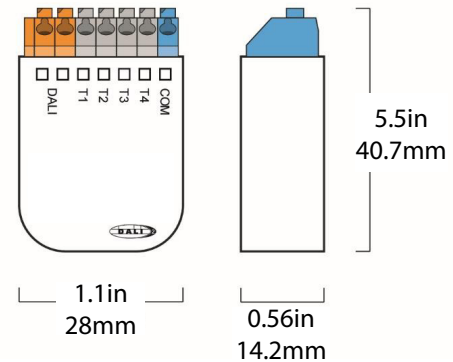
- 5-year limited system warranty
- Warranty does not cover product failure due to an overvoltage event (power surge)

Project

Catalog

Type

Date



Ordering Information

Series

IMS3DXC

Specifications and dimensions subject to change without notice.



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DALI INTERFACE, POWER SUPPLY: DA DA	
Output type	DALI, DALI-2, Multimaster
Terminal Markings	DA, DA
Voltage Range	9.5 - 22.5Vdc according to IEC62386
Typ. current consumption DALI (16.5V)	3.3mA
Max. 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 end	0.25-1mm ²
Stripping length	0.33-0.37in (8.5-9.5mm)
Tightening / release of wire	Push mechanism