IMS 3.0

Illumination Management System

Project

Catalog

Type

Date

Product Description

The NICOR IMS 3.0 is a DALI (Digital Addressable Lighting Interface) lighting management system that can provide controls to a complete lighting system. Manual controls, dimming, scheduling, daylight harvesting and motion sensing are all available as additional features on system. The IMS allows for simple, cost-effective lighting installations with full luminaire control through DALI-2 control.

Mechanical

- 14" x 12" x 7" NEMA 1 enclosure
- Cabinet material 14ga steel
- Fully hinged, latchable front access door
- Louvered top and bottom panels

Electrical

- Rated AC input voltage: 100-277V 1.5A Max
- Max power input: 35W
- Output: 16VDC, 3.1W
- DALI Maximum Bus Current: 215mA/Channel - 2 Channels provided
- Max communication distance: (300 m) 985 ft

Installation

- Surface Mount using external mounting tabs
- Four 1" KO's for input and output conduit fittings
- Unit weight: 24lbs
- Operating Temperature of 32° to 104°F (0°C to 40°C)

Finish

- ANSI 61 gray polyester powder coat finish

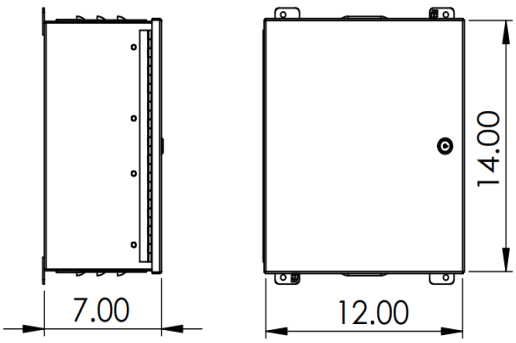
Listings

- cULus Listed
- RoHS Compliant
- DALI Alliance certified

Warranty

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





Ordering Information

EXAMPLE: IMS3D128

Series	Version	Protocol	Addresses
IMS	3	D (DALI)	128

Specifications and dimensions subject to change without notice.

**Must be used in conjunction with an IMS260D128NC*

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System Components and Capacities

DALI Control System
-Supports up to 64 control gear(luminaires/drivers) and 63 control devices (sensors, switches, etc...) per DALI network channel. 2 channels provided per controller.
-DALI-2 master control configurable through local Ethernet port or through on board SD card.
Wiring Requirements
-Free wiring topology (daisy chain, T-tap, etc...)
-DALI bus is polarity free.
-Maximum length of DALI-2 control wiring must not exceed 985ft (300m).
-DALI-2 System devices interconnect with 18/2 CL3P cable.
Control Hardware
-NICOR DALI Input Controller allows use of low voltage sensors and switches.
-NICOR IMS compatible low voltage switches allow for local on/off/dim control.
-NICOR IMS compatible low voltage sensors detect presence and light levels.
-Multiple zones may be grouped together under a single switch.
-Multiple switches may be configured to control single zones.
Control Interface
-HTML5 based User Interface (computer with Ethernet port required for commissioning).
-Computer interfaces to IMS cabinet through RJ45 connection.
-Point-and-click configuration with physical identification of luminaires.
-Emergency light level can be set in software.
Control Security
-Stand-alone system with no external communication required.
-Physical access required to modify system settings.

Control Strategies

Grouping/Zoning
-Custom grouping available through software configuration.
-Supports up to 16 groups/zones per DALI Output channel.
Scheduling
-Create separate schedules for individual groups.
-Each schedule can contain multiple daily events.
-Custom schedules available through software configuration.
Vacancy/Occupancy Detection/Daylight Harvesting
-Use NICOR IMS occupancy sensors to automatically turn lights on when a space is occupied and off after a set time of vacancy.
-Multiple zones may be grouped together to respond to vacancy/occupancy.
-Multiple sensors may be used within a single zone for localized control.
-Daylight harvesting function maintains consistent minimum light levels in daylight harvesting zones.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

PATENT PENDING