

Project		Catalog #		Type	
Prepared by		Notes		Date	



WaveLinx Wired

SCD96-NA

DMX Output Interface

Typical Applications

Office • Education • Healthcare • Hospitality • Retail • Industrial • Manufacturing • Outdoor

Product Certification



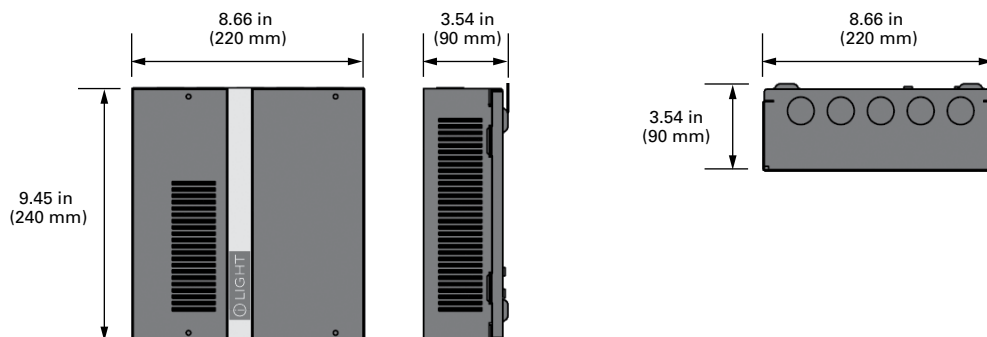
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- Product Warranty

Top Product Features

- 8 relay outputs – volt free changeover contacts
- 8 inputs, programmable as analog or digital
- Digital inputs used for volt free switches, or motion sensors
- Analog inputs accept 0-10V signal
- 8 Digital outputs, for LED indication or control iCAN™ network
- RS485 connection allows for control by third party systems (Building Management System, Audio/Visual, etc.) through the use of open protocol ASCII message commands
- EEprom program and sequence memory
- Future proof with FLASH memory
- Designed and manufactured to ISO9001:2000 standards

Dimensions



additional product diagrams

Order Information

Catalog Number

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SCD96-NA	DMX Output Interface

Product Specifications

Key Features

- 8 relay outputs – volt free changeover contacts
- 8 inputs, programmable as analog or digital
- Digital inputs used for volt free switches, or motion sensors
- Analog inputs accept 0-10V signal
- 8 Digital outputs, for LED indication or control iCAN™ network
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- EEPROM program and sequence memory
- Future proof with FLASH memory

Mechanical

Size: 9.45" x 8.66" x 3.54" (240mm x 220mm x 90mm)

Weight:

- Packed: 5.7 lbs. (2.6 kg)
- Unpacked: 5.3 lbs. (2.4 kg)

Operating temperature: 32°F to +104°F (0°C to 40°C)

Humidity: 0% - 95% non-condensing

Mounting: 4 holes for wall mounting

Housing: 2-part steel housing

Electrical

Supply: 120 volts, 50/60Hz, 1A single phase

iCANnet connection: Screw terminals within two part connectors, able to accept 16 AWG (1.5mm²) stranded or solid wire

Relay outputs: Screw terminals within two part connectors, able to accept 24 AWG (0.25mm²) stranded or solid wire

Inputs: Screw terminals within two part connectors, able to accept 12 AWG (4mm²) to 24 AWG (0.25mm²) stranded or solid wire

LED outputs: Screw terminals within two part connectors, able to accept 12 AWG (4mm²) to 24 AWG (0.25mm²) stranded or solid wire

DMX Output: screw terminals within two part connectors, able to accept 12 AWG (4mm²) to 24 AWG (0.25mm²) stranded or solid wire

Standards/Ratings

- cULus Listed
- Manufactured in an ISO 9001 certified factory

Warranty

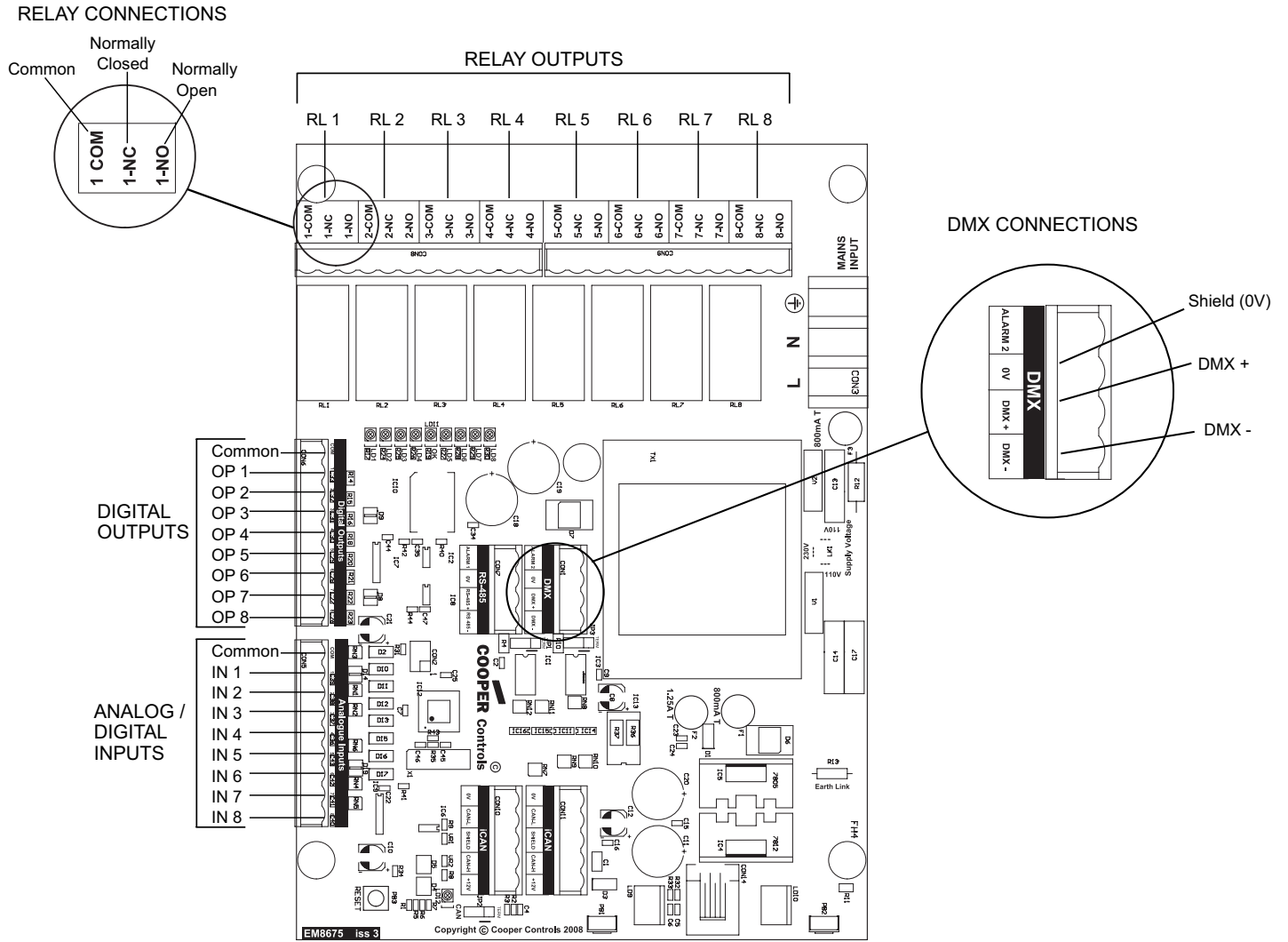
Five year warranty standard

Overview

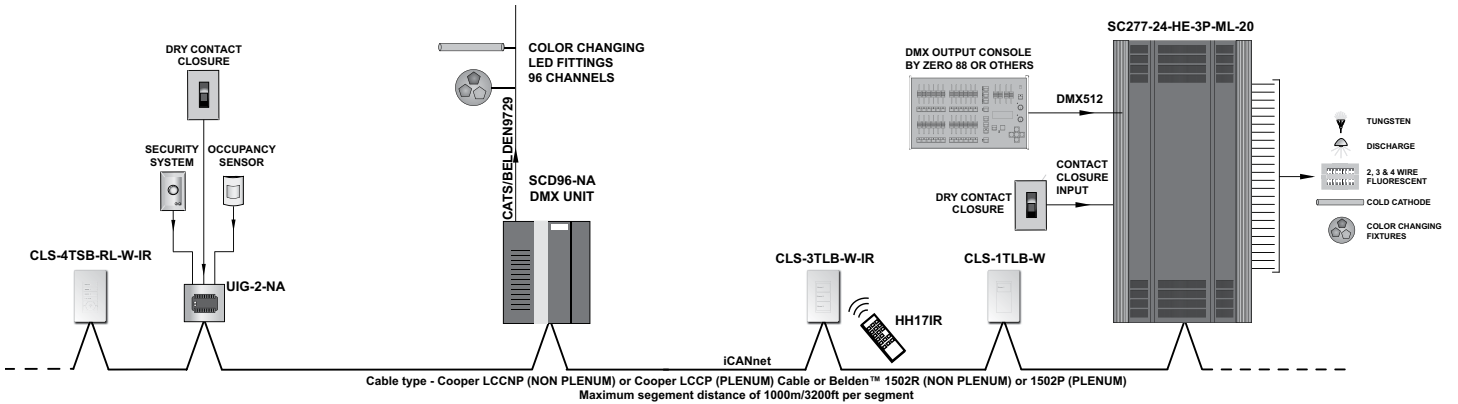
The SCD96-NA can control virtually any standard DMX device such as RGB fixtures, moving lights, dimmers, and effects. This unit provides DMX output to a DMX universe within which 96 channels may be mapped for control by iLumin devices. It also provides eight volt-free mains rated low power relays and eight digital outputs which can be used to control the power to the DMX sources or control channels in their own right. These allow lighting sources that use DMX as the control signal to be used as part of the iCANnet™ system.

This compact unit can be mounted virtually anywhere. In addition to the essential connections to the iCANnet network, there are also terminals provided for connection to an RS485 system.

Wiring Diagrams



System architecture



Sample System Topology:


This diagram shows the main components of the WaveLinx Wireless and Wired Connected Lighting system.

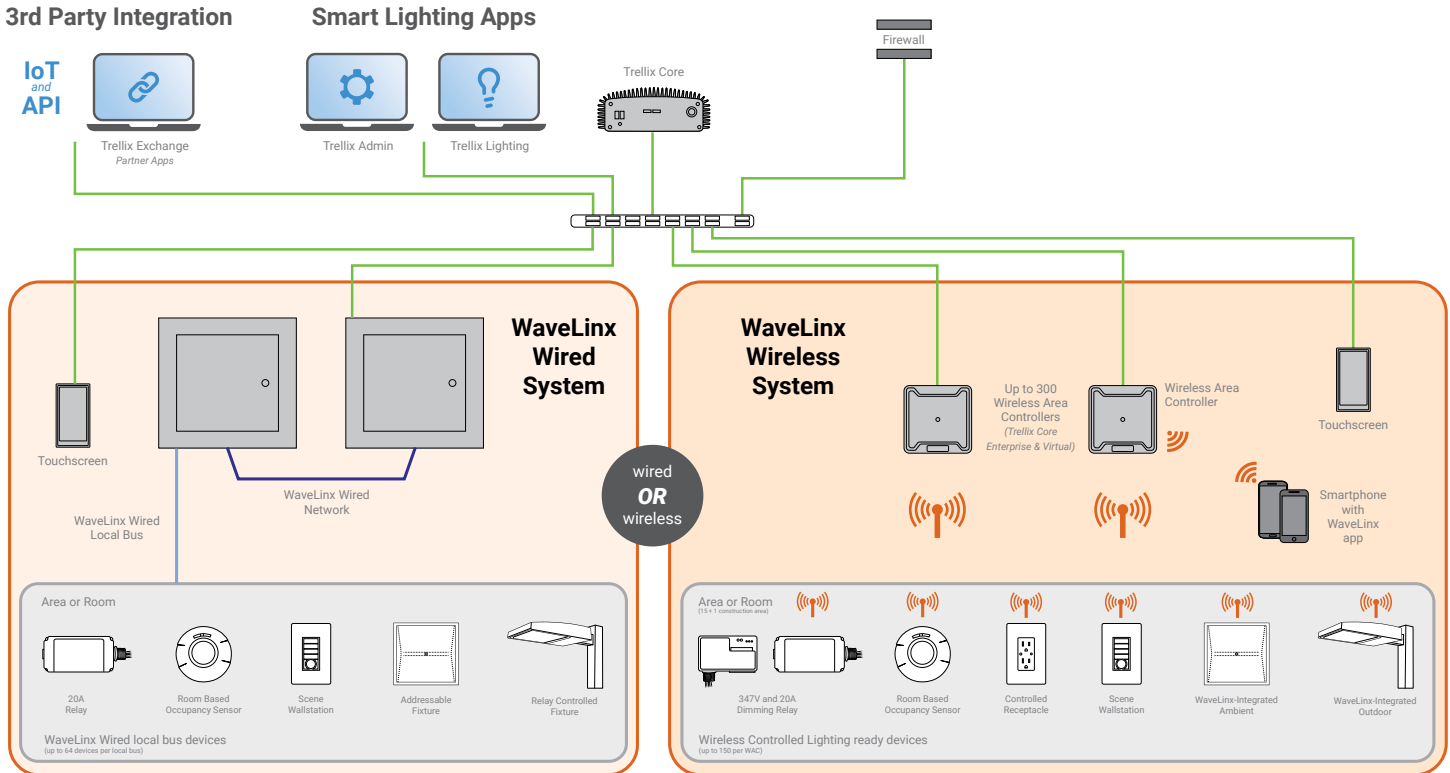
The **WaveLinx wireless system** communicates using wireless mesh technology based on the IEEE 802.15.4 standard. A PoE LAN connection for each Wireless Area Controller (WAC) is required for power and data access to the building lighting network.

The **WaveLinx wired system** controls the devices using relay, 0-10V, DMX and the WaveLinx wired digital local bus. The WaveLinx wired system connects to the building LAN using the EG2 module. Each WaveLinx wired area controller communicate on the WaveLinx wired network. The WaveLinx wired network supports over 60,000 devices.

The Trellix Core, WaveLinx Area Controllers (WAC) and WaveLinx Ethernet Gateways (EG2) communicate with each other over the Ethernet network.

Please refer to the WaveLinx Wireless Network and IT Guidance Technical Guide and WaveLinx Wired Network and IT Guidance Technical Guide for more information.

 [View WaveLinx Network and IT Guidance Technical Guide](#)



Control Systems

- Trellix
- WaveLinx Wireless
- WaveLinx Wired