Project		Catalog #		Type	
Prepared by		Notes		Date	

WaveLinx Wired

ILX-SCD96-D-NA

DMX Output Interface

Typical Applications

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

Product Certification

UL CERTIFIED

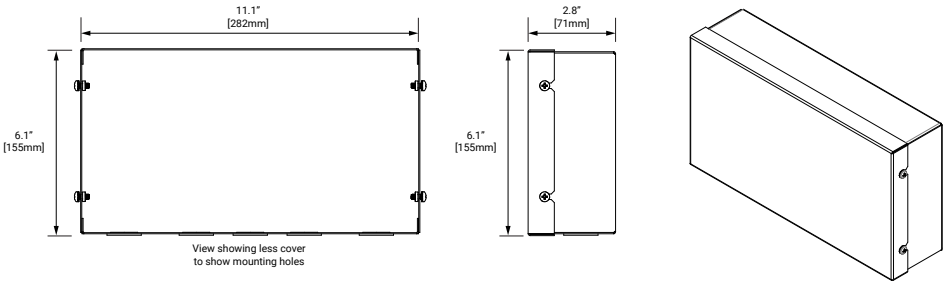🔗 **Interactive Menu**

- Ordering Information
- Connected Systems
- Product Warranty

Top Product Features

- 96 DMX outputs
- 16 sequences with up to 128 steps per sequence
- Configurable Area/Channel Number
- 128 Scenes per DMX Channel
- 1 alarm input

Dimensions

11.1" [282mm]

6.1" [155mm]

View showing less cover to show mounting holes

2.8" [71mm]

6.1" [155mm]

COOPER Lighting Solutions

Order Information

Catalog Number

Catalog Number	Description
SCD96-D-NA	DMX Interface DIN Rail Module
ILX-SCD96-D-NA	WaveLinx Wired XS Panel with DMX Interface

Product Specifications

Key Features

- 96 DMX outputs
- 16 sequences with up to 128 steps per sequence
- Configurable Area/Channel Number
- 128 Scenes per DMX Channel
- 1 alarm input
- Configuration stored in Non Volatile EEPROM
- Firmware storage in reflashable FLASH memory over iCAN network
- Configurable start up mode

Mechanical

Size: 6.1" W x 11.1" H x 2.8" D (155mm x 282mm x 71mm)

Environment:

- **Operating temperature:** 32°F to 104°F (0°C to 40°C)
- **Relative humidity:** 0-90%, non-condensing
- For indoor use only

Housing: Powder coated steel

Electrical

Control Supply:

- 15VDC (12-18V) via iCANnetTM - 75mA quiescent current

Network termination:

- Screw terminals within two part connectors

Load Types:

- DMX controlled loads (96 DMX addresses total)
- 32 connected devices maximum, for more devices utilise DMX Splitter/ Repeater or employ multiple SCD-96-Ds

Terminal Sizes:

- iCANnetTM network cable size: 5 x 18AWG to 12AWG stranded or solid wire
- DMX output: 3 x 18AWG to 12AWG stranded or solid wire
- Alarm Input: 2 x 18AWG to 12AWG stranded or solid wire

Memory

- FLASH memory to be able to upgrade software
- EEPROM for 128 scene memory
- Fade Times: 0.1 seconds to 60 minutes

Standards/Ratings

- cULus Listed
- Manufactured in an ISO 9001 certified factory

Warranty

Five year warranty standard

Overview

The WaveLinx Wired SCD-96-D is a DINrail mount, 96 channel DMX source controller designed to provide control to any DMX512 driver or luminaire. Used for seamless control of DMX lighting devices, LED color changing units and entertainment luninaires.

Each channel can be assigned a DMX address from WaveLinx Wired Device Editor. The SCD-96-D offers comprehensive control via WaveLinx Wired user interfaces to activate scenes and sequences.

Sample System Topology:

This diagram shows the main components of the WaveLinx wired and PRO wireless connected lighting system.
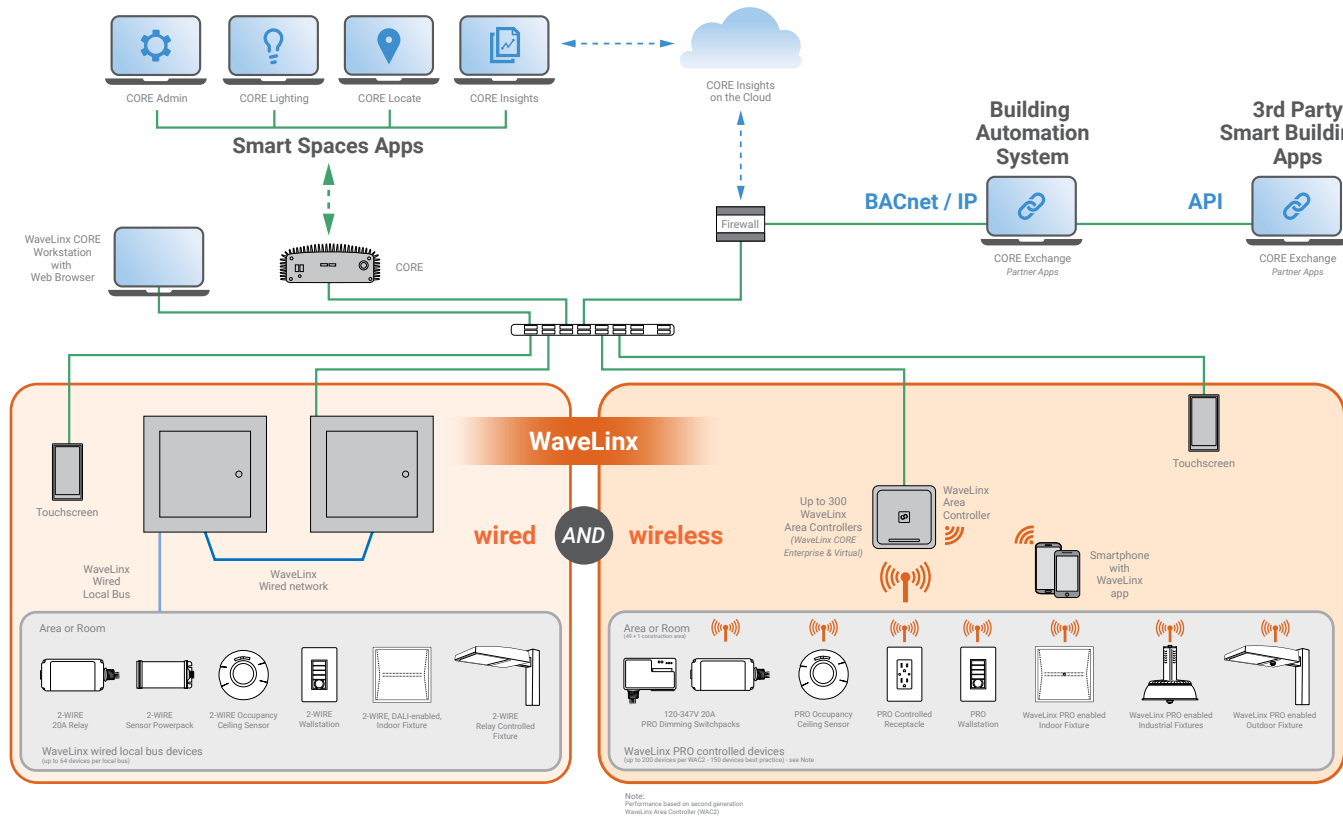
The **WaveLinx PRO wireless system** communicates using wireless mesh technology based on the IEEE 802.15.4 standard. A PoE LAN connection for each WaveLinx Area Controller (WAC) is required for power and data access to the building lighting network.

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 communicates on the WaveLinx wired network.

WaveLinx Area Controllers (WAC) and WaveLinx Ethernet Gateways (EG2) communicate with WaveLinx CORE over the Ethernet network.

Please refer to the WaveLinx PRO 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
- WaveLinx
- WaveLinx wired
- VividTune