Project		Catalog #		Type	
Prepared by		Notes		Date	

connections

WaveLinx Wired

ILX-SI2-D-NA

DIN Rail System Integrator

Typical Applications
Office • Education • Healthcare • Industrial

Interactive Menu

- Order Information page 2
- Additional Resources page 3
- Connected Systems page 4
- Product Warranty

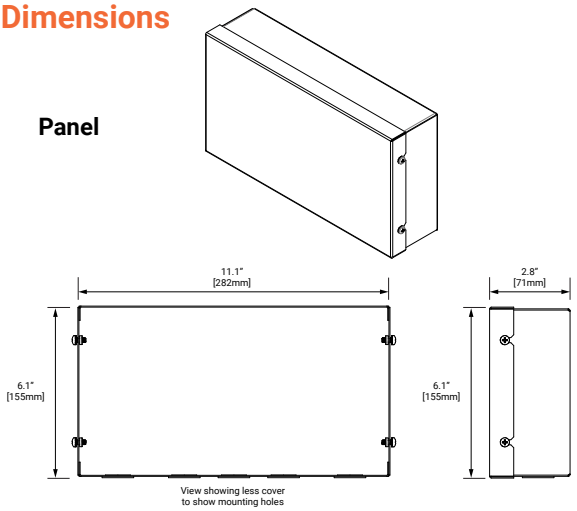
Product Certification

Top Product Features

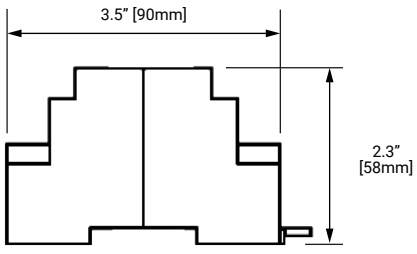
- **RS232 to iCANnet™ converter** – Enables the integration to third party systems such as audio systems, TVs, projectors, blinds, curtains, heating and HVAC systems, Security & Fire alarms and BMS
- **Customizable Actions** – Enables 100 Output input/output actions triggered by a "trigger" CAN message (output) or by a match on an input filter
- **Supports WaveLinx Wired Sequences** – Allows users to manage advanced designs by supporting up to 16 WaveLinx Wired sequences each with a maximum of 128 actions

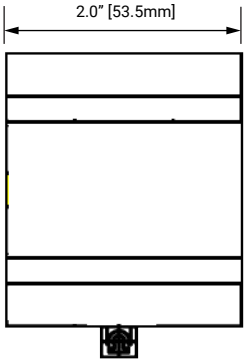
Dimensions

Panel



DIN Rail System Integrator





Order Information

Catalog Number

Catalog Number	Description
SI2-D-NA	WaveLinx Wired DIN Rail System Integrator
SI2-D-NA-CP	WaveLinx Wired DIN Rail System Inegrator for Custom Partitioning
ILX-SI2-D-NA	WaveLinx Wired XS Panel assemby with System Integrator
Note	
SI2-D-NA network bridge is ordered as a component inside WaveLinx Wired ILP Panels	

Product Specifications

Key Features

- Configurable RS232 COMMS via 9 pin female D-type (Send/Receive)
- Adjustable baud rates of 1200, 2400, 4800,9600, 19200, 38400, 57600, 115200
- 100 RS232 Output Strings, up to 255 bytes each (ASCII or Hex)
- 100 Output Actions, triggered by a "trigger" CAN message.
  Each action can send a RS232 string, send a CAN message, or control a sequence
- 100 RS232 Input Filters, up to 255 bytes each (ASCII or Hex)
- 100 Input Actions, triggered by a match on an input filter
- 16 Sequences, each with a maximum of 128 actions
- Status LEDs

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

Power supply: 9 – 24Vdc via iCANnet™

Wiring:

- **iCANnet™ network termination:** Screw terminals within two-part connectors, able to accept 16 awg (1.5mm²) stranded or solid wire
- **RS232:** 9 pin female D type connector

Standards/Ratings

- cULus
- CE compliant
- Rating: IP20
- Designed and manufactured to ISO9001:2015 standards

Warranty

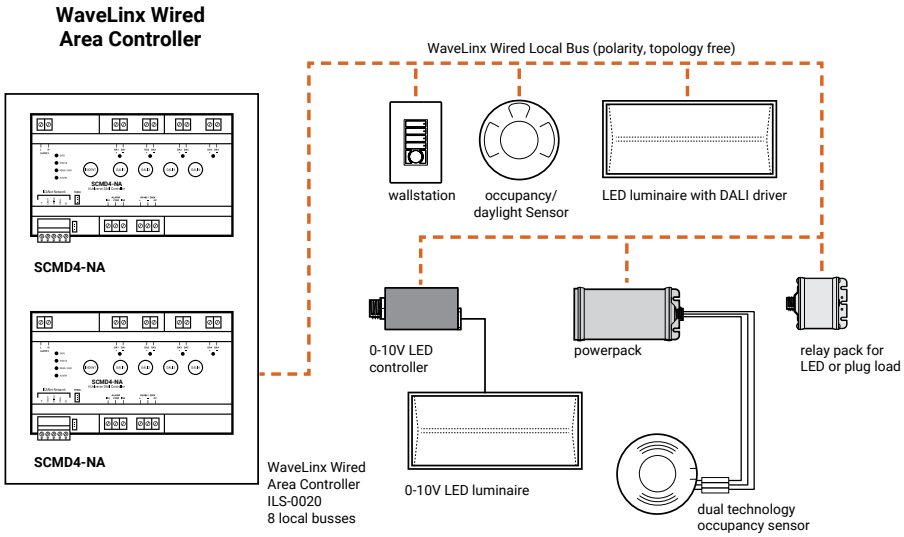
Consult website for warranty information

Overview

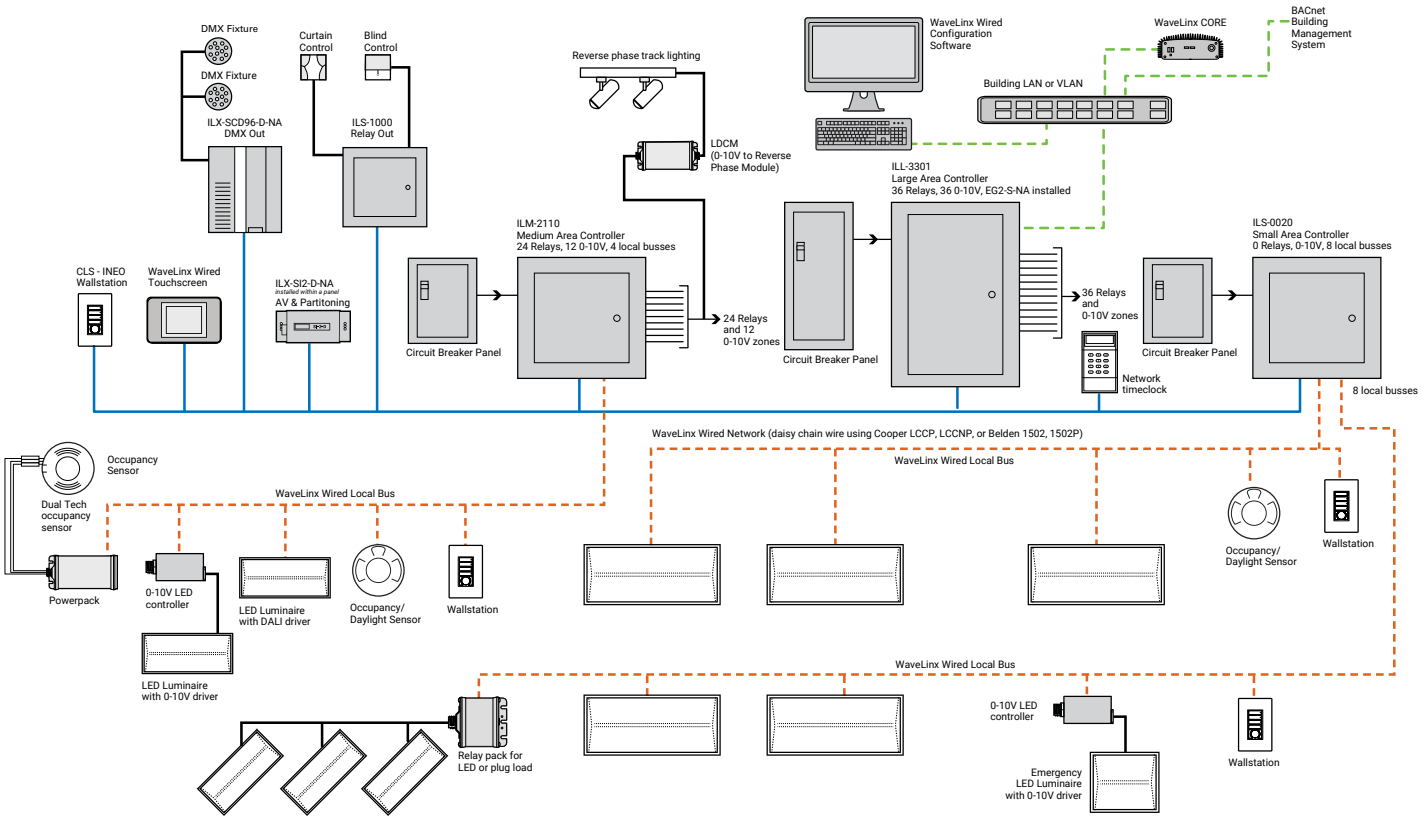
The SI2-D-NA System integration node is a DIN rail mounted RS232 converter for interfacing with third-party devices to and from WaveLinx Wired's iCANnet™ network. The SI2-D-NA enables control of a wide range of equipment through the WaveLinx Wired user interfaces such as: audio systems, TVs, projectors, blinds, curtains, heating and HVAC systems, Security & Fire alarms and BMS.

System architecture

Simple WaveLinx Wired system



Complete WaveLinx Wired system



Sample System Topology:

This diagram shows the main components of the WaveLinx wired and PRO wireless connected lighting system.

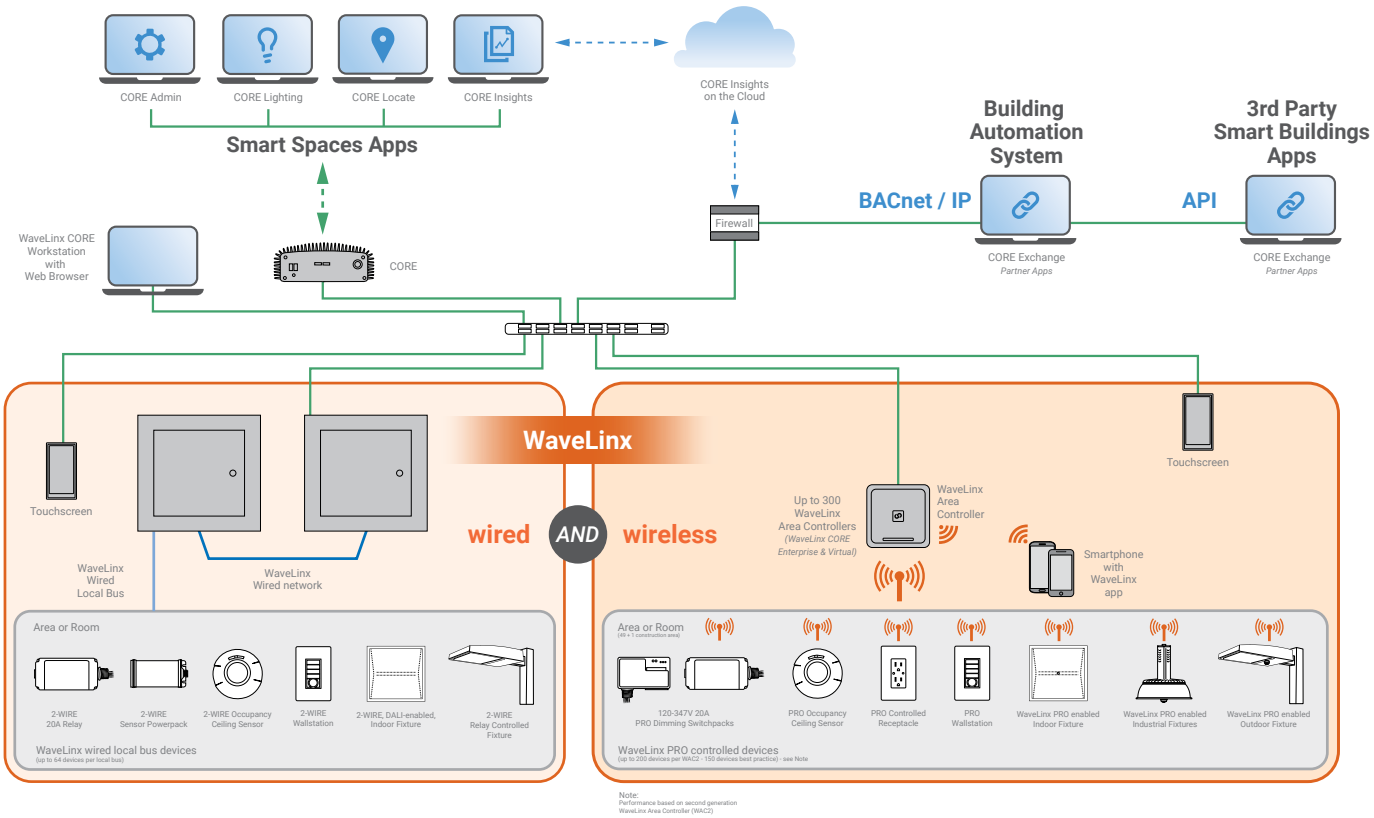
The **WaveLinx PRO wireless system** communicates using wireless mesh technology based on the IEEE 802.15.4 standard. A PoE LAN connection for each WaveLinx Area Controller (WAC) is required for power and data access to the building lighting network.

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

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