WaveLinx

CAT Bluetooth Programming Interface Module (BPI-C-L)

Connects CAT network to Mobile app

Typical Applications
Office • Education • Healthcare • Hospitality • Retail

🔗 Interactive Menu

Product Certification*

FC Part 15   RoHS COMPLIANT   DLC LISTED

- Meets latest ASHRAE 90.1 - 2019 requirements
- Meets latest IECC - 2021 requirements
- Meets latest Title 24 - 2019 requirements
- Manufactured in an ISO 9001 certified factory

Product Features

CAT
Mobile App

Compatibility

WaveLinx CAT

Overview

The Bluetooth Programming Interface uses a Bluetooth® Low Energy (BLE) Radio Module to allow wireless communication between the local CAT area and WaveLinx CAT mobile app. This device offers two RJ-45 ports to connect with standalone CAT network area. The WaveLinx CAT mobile app offers secure pairing with the BPI device when within range, and once connected can be used for identifying and configuring devices within that area. The module is powered by CAT bus power and comes with mounting tabs for easy installation on the wall or a junction box.

Product Features & Benefits

- **Secured Mobile App pairing –** Easy network configuration and commissioning
- **Plenum Rated Design –** Easy junction box mounting or wall mounting
- Communicates with CAT digital network
- **Easy to configure / commission –** Pairs with WaveLinx CAT mobile app

🔗 **product diagrams**

*T24 and RoHS are self-tested by Cooper Lighting Solutions. Not a third party certification.

Order Information

Catalog Number

Catalog Number	Description
BPI-C-L	BPI-C Bluetooth Program Interface

Required Accessory

The WaveLinx CAT network requires termination of the local CAT bus network on both ends.

Catalog Number

Catalog Number	Description
ACC-C-TP-6PK	ACC-C Canbus Termination Plug - 6PK

Optional Accessories

Catalog Number

Catalog Number	Description
GGRJ45-03-G	RJ45 cables 3 feet
GGRJ45-10-G	RJ45 cables 10 feet
GGRJ45-25-G	RJ45 cables 25 feet
GGRJ45-50-G	RJ45 cables 50 feet
GGRJ45-100-G	RJ45 cables 100 feet
GGRJ45-10P-G	RJ45 cables 10 feet plenum rated
GGRJ45-25P-G	RJ45 cables 25 feet plenum rated
GGRJ45-50P-G	RJ45 cables 50 feet plenum rated
GGRJ45-100P-G	RJ45 cables 100 feet plenum rated

Product Specifications

Mechanical
Size: 2.28" W X 3.34" H X 1.5" D (58mm x 85mm x 38mm)
Mounting: Detachable mounting tabs
Color: Black

Environmental:
- **Operating temperature:** 32°F to 104°F (0°C to 40°C)
- **Operating relative humidity:** 5% to 85% non-condensing
- **Storage temperature:** -22°F to 158°F (-30°C to 70°C)
- For indoor use only

Electrical
Input Types:
- CAT Bus Powered

Network connection:
- CAT5 Solid Copper 24AWG
- T568B pin/pair assignment is recommended for all CAT5 cable

Standards/Ratings*
- cULus Listed - Energy Management Equipment (UL916)
- FCC Part 15
- Manufactured in an ISO 9001 certified factory
- Meets latest ASHRAE 90.1 - 2019 requirements
- Meets latest IECC - 2021 requirements
- Meets latest Title 24 - 2019 requirements
- WaveLinx CAT is DLC Listed for interior applications - meeting the NLC5 Technical Requirements

Environmental Regulations:
- RoHS
- Plenum UL2043
- Chicago Plenum rated

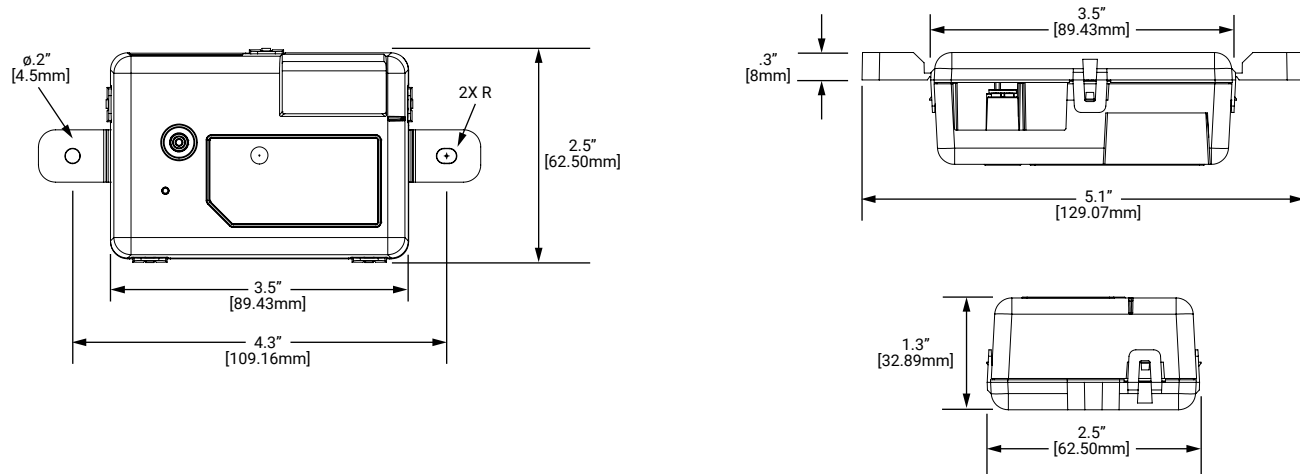### Warranty
Five year warranty standard

Download the WaveLinx CAT Mobile Application from either the Google Play or Apple Store®

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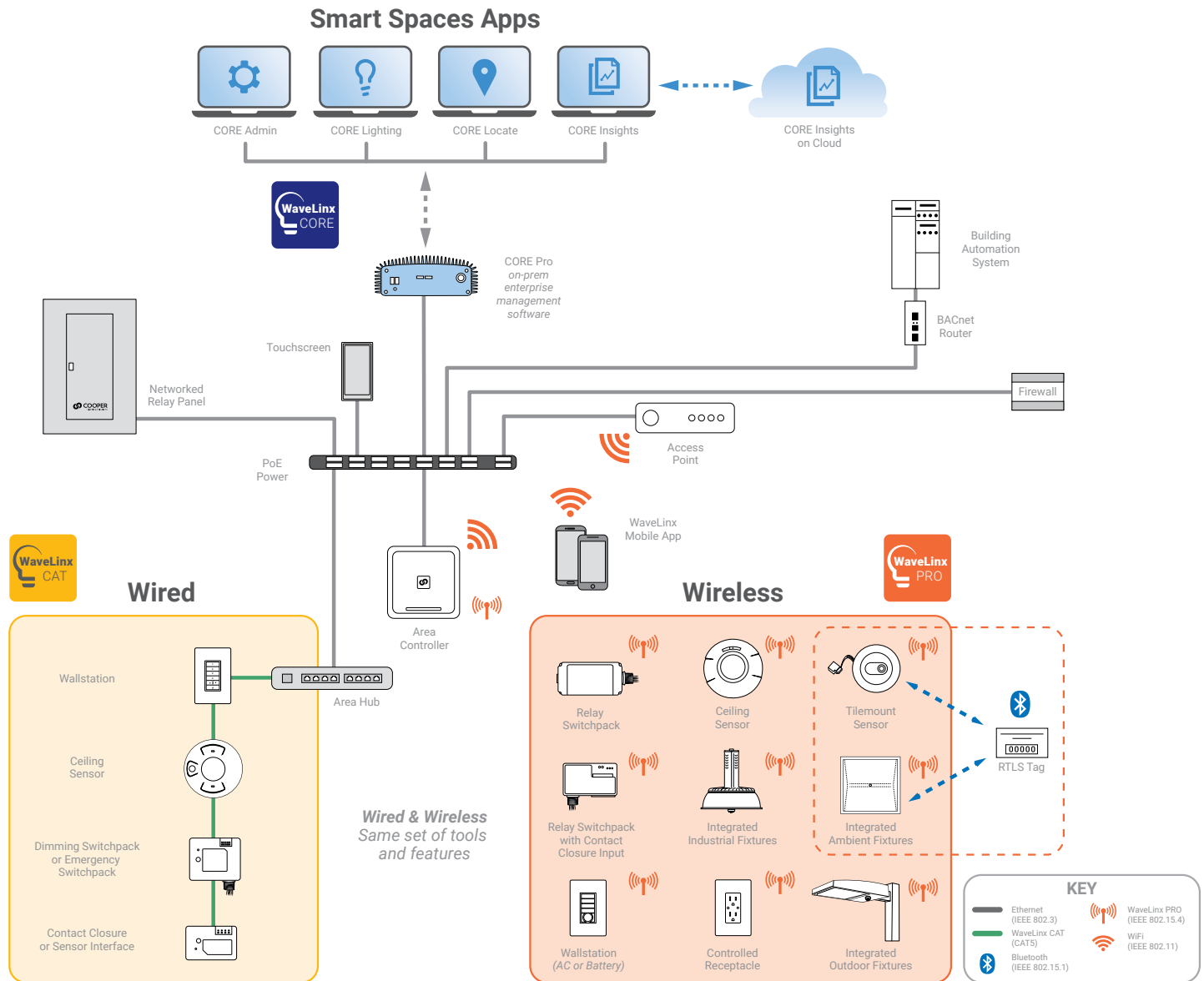## Dimensional Details

Typical Topology
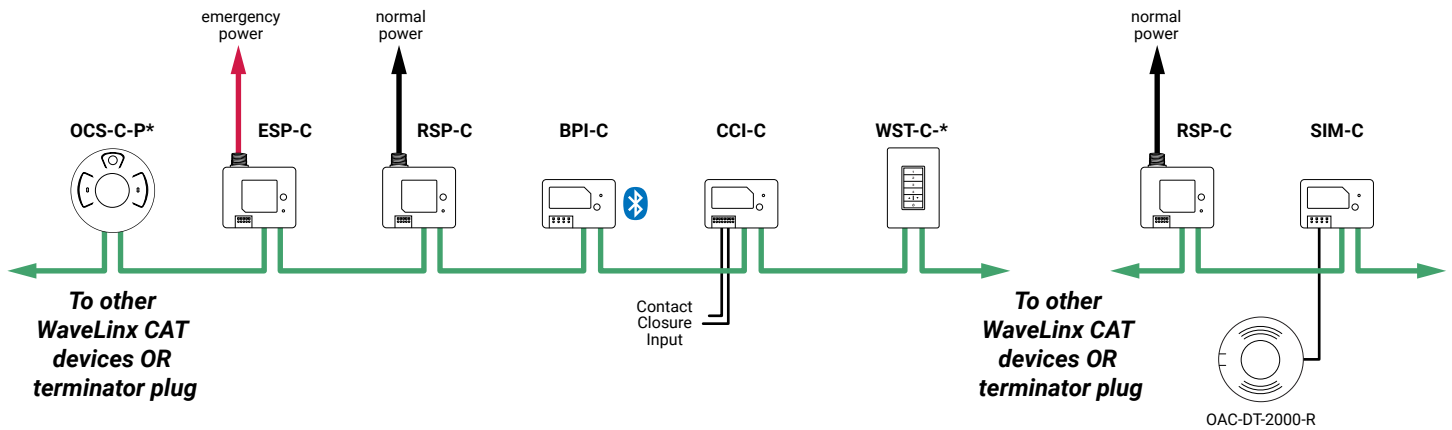
System Diagram:

This diagram shows the main components of the WaveLinx connected lighting system with CAT and PRO devices.

The PRO devices communicate 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 CAT devices communicate over the category 5 based communication bus and control the light fixtures using a relay (on/off) and 0-10V output (dim/raise).

WaveLinx Area Controllers (WAC) communicate with WaveLinx CORE Apps over the Ethernet network.

View WaveLinx Network and IT Guidance Technical Guide

Smart Spaces Apps

- CORE Admin
- CORE Lighting
- CORE Locate
- CORE Insights
- CORE Insights on Cloud

WaveLinx CORE

CORE Pro *on-prem enterprise management software*

Building Automation System

BACnet Router

Networked Relay Panel

Touchscreen

Firewall

PoE Power

Access Point

WaveLinx Mobile App

Area Controller

WaveLinx CAT

Wired

- Wallstation
- Ceiling Sensor
- Dimming Switchpack or Emergency Switchpack
- Contact Closure or Sensor Interface

Area Hub

Wired & Wireless Same set of tools and features

WaveLinx PRO

Wireless

- Relay Switchpack
- Ceiling Sensor
- Tilemount Sensor
- RTLS Tag
- Relay Switchpack with Contact Closure Input
- Integrated Industrial Fixtures
- Integrated Ambient Fixtures
- Wallstation *(AC or Battery)*
- Controlled Receptacle
- Integrated Outdoor Fixtures

KEY

Ethernet (IEEE 802.3)	WaveLinx PRO (IEEE 802.15.4)
WaveLinx CAT (CAT5)	WiFi (IEEE 802.11)
Bluetooth (IEEE 802.15.1)	

Control Systems
- WaveLinx

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