EiKO®

project name		type	
catalog number		voltage	
approved by		date	

NLC Wireless Control Module - Bluetooth® Mesh

HIGHLIGHTS

- Line Voltage input Control Module for Network Lighting Controls (NLC) using SIG Qualified Bluetooth® mesh
- The free iOS App powered by Silvair is used for onsite commissioning which includes setting up areas/grouping/zoning, creating profiles which includes setting high and low end trim, as well as personal control
- The Web App powered by Silviar is used for optional offsite pre-planning which includes setting up areas/grouping/zoning (pre-commissioning not required) and creating profiles (includes setting high and low end trim, and time delay)
- No hubs, gateway, or routers are required to make a complete mesh network. The unit can pair with the Silvair iOS App to allow initial setup and subsequent adjustments
- Easily incorporate additional BLE devices like wall/wireless controllers, sensors, fixture controllers, range extenders, and timekeepers
- Over-the-air Firmware upgrade available via iOS App
- A device that is part of EiKO's NLC System

CERTIFICATIONS

- cULus Listed for Damp Locations
- IP20 Rated
- FCC Compliant
- RoHS Compliant

PERFORMANCE

- Onboard Omnidirectional Antenna
- Operational frequency: 2.4 GHz - 2.483 GHz
- Communication range: max. 100ft*
- Continuous 0-10V Bi-Level Dimming

ELECTRICAL

- Input voltage: 120-277VAC
- Load (20A Relay): @120/277VAC Max. 16A E. Ballast, LED, CFL
- 0-10V: 100mA Sink Current
- Auxiliary Power Supply: 12VDC 300mA for Sensor

THERMAL

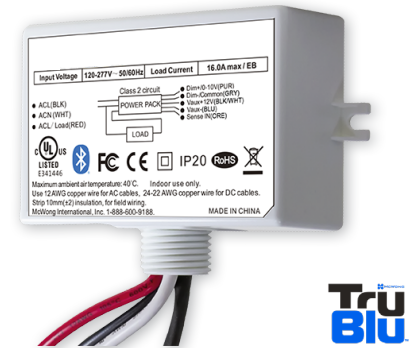- -40°F to 104°F (-40°C to 40°C) Operating temperature

CONSTRUCTION

- White plastic housing
- 1/2" knockout with locknut installation

WARRANTY

- 5-Year limited warranty available online. Contact your EiKO sales rep for additional details.

PSC-WCM-450-BLE-SR

APPLICATIONS

- Warehouses
- Manufacturing Plants
- Distribution Centers
- 24-hour Fitness Centers
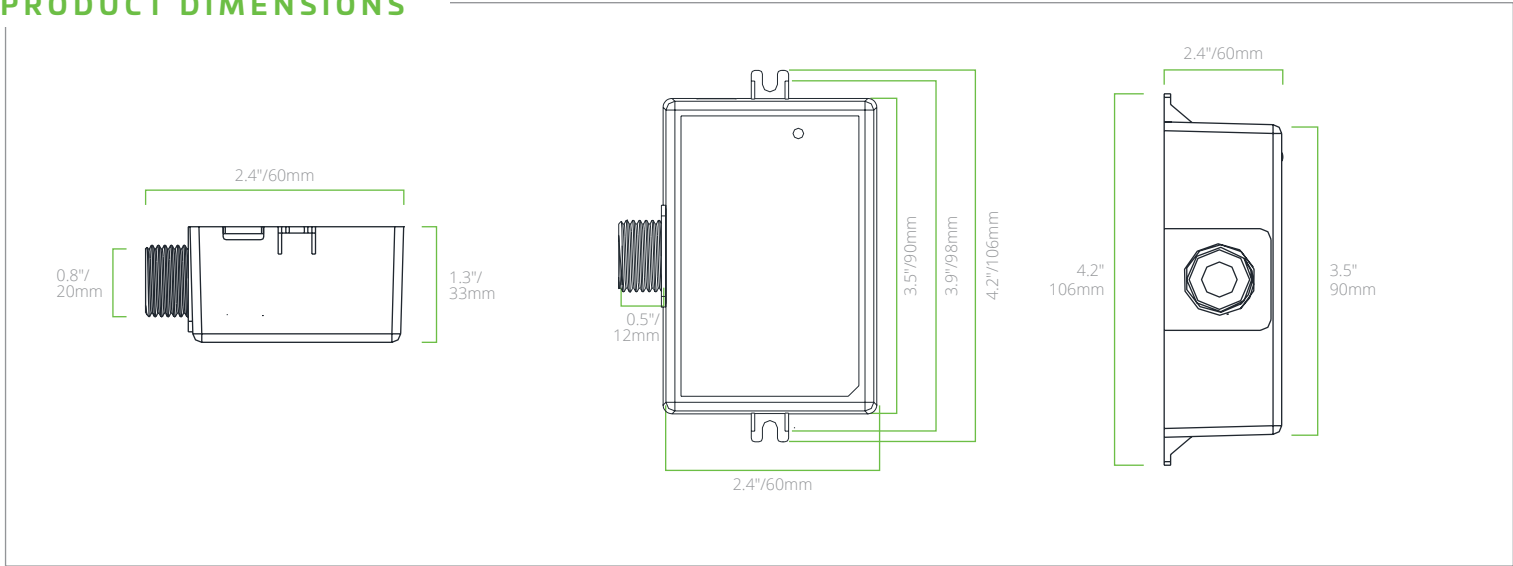- Offices

AVAILABLE MODEL

ORDER CODE	ITEM #	INPUT VOLTAGE	WIRELESS TECHNOLOGY	DIMMING	COMMUNICATION RANGE*	INSTALLATION TYPE
12634	PSC-WCM-450-BLE-SR	120-277V	Bluetooth® SIG Mesh	0-10V	Max. 100ft	Wired, 1/2" Knockout

*Communication range highly depends on the intergrated fixtures, surrounding environment, and conditions.
It is recommended to conduct testing in each unique application for range accuracy.
For a longer communication range, a Range Extender is recommended (per zone).

eiko.com
Rev. 11/16/23

COMPATIBLE BLE DEVICES

ORDER CODE	ITEM #	DESCRIPTION
12635	PSC-DM-WS-100-BLE-SR	BLE TruBlu Single Button Bluetooth Mesh Wall Controller 120-277V White
12636	PSC-DM-I-WS-100-BLE-SR	BLE TruBlu Wireless Occupancy or Vacancy Sensor Dimming Wall Controller 120-277V White
12637	PSC-DM-WS-400-BLE-SR	BLE TruBlu 4-Button Wireless Bluetooth Mesh Wall Controller 120-277V White
12654	ESRPB-W-EO	BLE Easyfit by EnOcean Single Rocker Pad Wireless Controller Self-powered White
12655	EDRPB-W-EO	BLE Easyfit by EnOcean Double Rocker Pad Wireless Controller Self-powered White
12994	PSC-RET-100-BLE-SR	BLE TruBlu Range Extender 120-277V 800ft Nema 4x Outdoor Enclosure
12993	PSC-TKP-200-BLE-SR	BLE TruBlu Battery backup Timekeeper and Range Extender 120V 800ft Nema 4x Outdoor Enclosure

PRODUCT DIMENSIONS

WIRING DIAGRAM

AC WIRES: 14AWG
Black (ACL IN)
Red (ACL / Load)
White (ACN)

CONTROL WIRES: 22AWG
Purple (Dim+/0-10V)
Pink (DIM-/DC-)
Red/White (Vaux+ 12VDC)
Black/White (Vaux-)
Yellow (Optional Sensor input)*

*For use with specific accessory devices only, consult accessory device installation instructions to determine if needed.

Black (ACL IN)
Red (ACL IN)
White (ACN)