

Zhaga Book 20 Xmesh™ Wireless to DALI Sensor-Controller

PSC-ZBD-I-21N-BLE-XI

Product Overview

- Single Channel DALI Sensor-Controller
- Digital Passive infrared (PIR) Motion Sensor
- 360° Sensor Coverage Pattern
- Daylight Sensor
- Zhaga Book 20 Compliant (Mounts to ½" Knockout)
- Compatible with Xicato Xmesh Wireless Controls
- DALI Bus Powered
- High and Low-End Trim Adjustment, Zoning and Continuous Dimming
- Compact Design

Applications

Xicato's Xmesh to DALI Sensor-Controller is a single channel DALI Zhaga Book 20 Wireless Fixture Controller with integrated PIR occupancy and daylight sensors. The PSC-ZBD-I-21N-BLE-XI is compatible with Xicato's Xmesh Controls and seamlessly communicates with Xmesh lights, gateways, controllers and sensors in the space.

The PSC-ZBD-WCM-200-BLE-XI includes a Book 20 connector-based wiring harness to simplify installation. It mounts in a ½" knockout and is secured by the included clips or via the threaded body.

The PSC-ZBD-I-21N-BLE-XI communicates directly with DALI drivers and is controlled wirelessly through Xicato Xmesh.

Accessories

The PSC-ZBD-I-21N-BLE-XI operates on power from the DALI bus. This can be supplied by a dedicated DALI bus supply or a D4i compliant DALI driver.

Operation

Xicato Xmesh Wireless Controls provide a seamless mesh-based control system for rooms, floors, buildings and sites. The controls system includes lights, switches, load controllers as well as gateways that provide easy local or remote system monitoring and integration with a BMS or other lighting control systems.

Xicato's Xmesh controls system features a highly resilient architecture without a single point of failure. Easy ability to move and reconfigure devices after installation. Auto-discovery of new devices making it easy to expand your system with both devices and capabilities.

Single Channel Control: The PSC-ZBD-I-21N-BLE-XI provides a single channel of DALI output for driver control.

Quick Connector: The PSC-ZBD-I-21N-BLE-XI is compatible with Zhaga Book 20 C22-T1A and includes a Book 20 wiring harness.



Specifications

Type: Wireless DALI Sensor-Controller

Input Voltage: DALI Bus

Current Consumption: Max 50mA

Mounting: Zhaga Book 20 C22-T1A (or ½" knockout)

Mounting Height: 8ft to 15ft (2.4m to 4.6m)

Max PIR Sensor Range¹: 15ft (4.6m) radius

Max Bluetooth Range²: 100ft (30.4m)

Operating Temperature: -40°C to 70°C

Storage Temperature: -40°C to 85°C

Relative Humidity: 90-95% non-condensing

Color: White

Warranty: 5 years

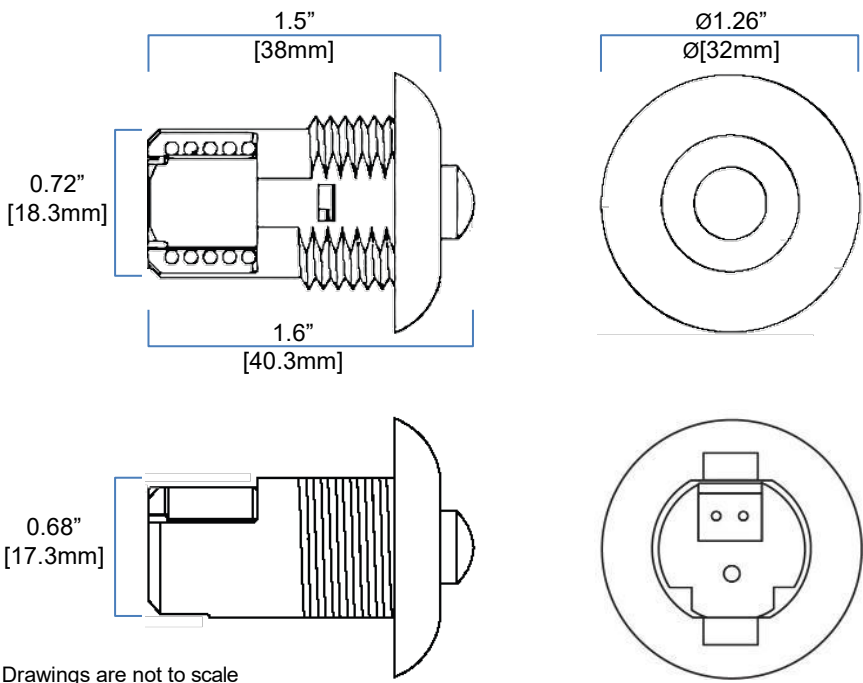
Note:

1. The PIR sensor range is subject to variation based on clothing, background and ambient temperature. It is recommended to conduct testing to determine end application range.

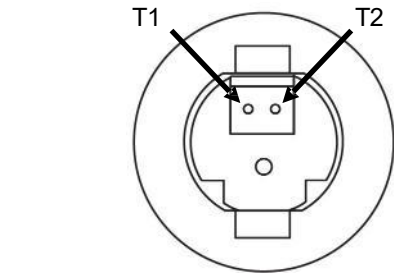
2. Bluetooth Range is highly dependent on the integration of fixtures, surrounding environment and conditions. It is recommended to conduct testing for range accuracy.

Xicato designs and delivers one of the broadest portfolio spot and linear light sources and controls that enable architects, designers and building managers to create beautiful, smart spaces in which people love to live and work. With thousands of installations around the globe, Xicato continues to be a leading supplier of high quality lighting solutions. Xicato is defining the future of intelligent light sources by integrating electronics, software and connectivity. Xicato's headquarters is based in Silicon Valley and the company has offices Worldwide.

Physical Dimensions

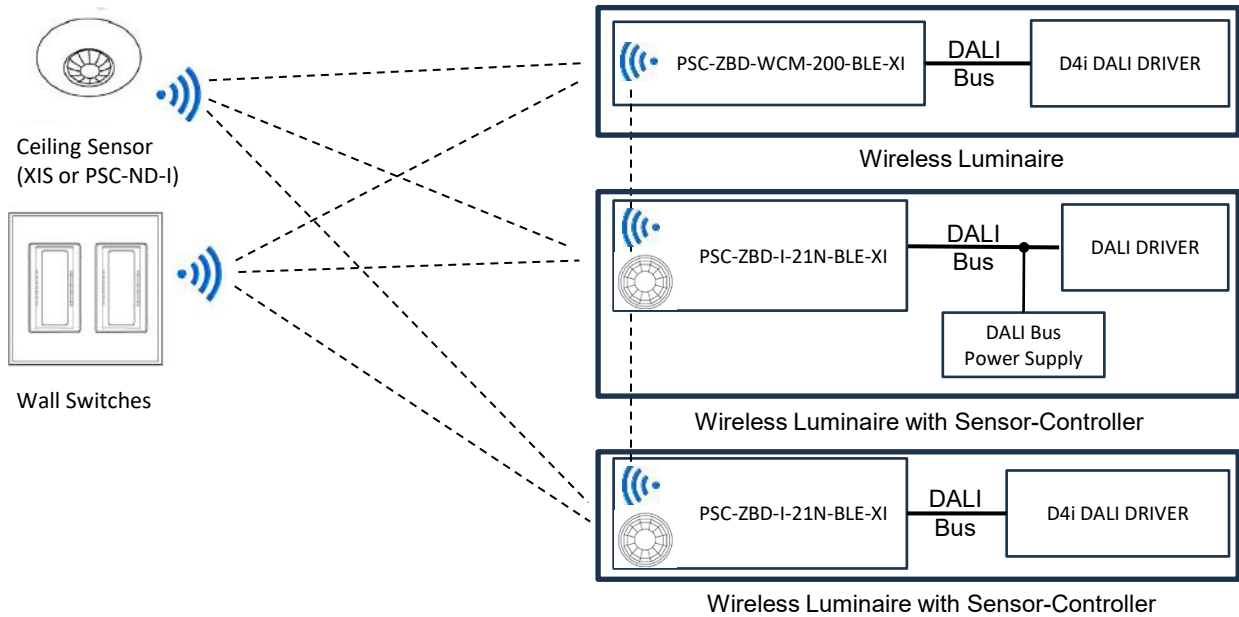


Controller Wiring



Pin	Description	Notes
T1	DALI Bus (Communication & Power)	Black wire (22AWG)
T2	DALI Bus (Communication & Power)	Black wire (22AWG)

Application Example



Ordering Information

Part Number	Description
PSC-ZBD-I-21N-BLE-XI	Xmesh to DALI Luminaire Sensor-Controller, Zhaga Book 20, White Finish

Design and specifications are subject to change without notice.