Close Contact/Sensor Controller | Model: C-S1C-24-DS00

Specifications

- DC Input Voltage - 12-24VDC - 100 mA Max
- Auxilary Output Voltage - 0-10VDC
- Sensor Input Voltage - 12-24VDC
- Operating Temperature - -22° to 158°F (-30° to 70°C)
- 0-10V Dimming* - 100mA Max
- Optional Power Supply
- Dimensions - 3.25” x 1.5” x 0.25” (82.5 x 38 x 6.35 mm)

Description

The **C-S1C-24-DS00 Close Contact/Sensor Controller** is a Bluetooth Mesh Bridge that converts any 12-24VDC Occupancy Sensor into a Bluetooth Mesh Node. It can be installed inside fixtures, j-boxes, or remoted. The non-bluetooth sensor can be added to any network with the addition of the Sensor Controller. The auxiliary 0-10V DC output can control a single or multiple 0-10V devices connected together.

Operation

The **Close Contact/Sensor Controller** operates on 12-24VDC Once powered up, the device broadcasts its identification code waiting to be provisioned through the Bubblynet App.

The Sensor Controller is a Bluetooth Mesh Qualified device. This means that it can be controlled and be part of any Bluetooth Mesh Network, independently of the brand or manufacturer of the additional devices or controls.

Features

- Simple to Install
- Converts any Non Mesh sensor into a Mesh Device
- Auxilary 0-10V Output
- Does Not Require a Gateway

Certifications

Installation

The installation of the **Close Contact/Sensor Controller** is very simple. The analog output of the Non Mesh sensor is connected to the sensor input of the controller. The Non Mesh sensor and Sensor Controller should be powered with the same 12-24VDC input. As soon as the Controller is powered on it will start broadcasting the non-provisioned advertising messages that will tell the provisioning app that a new device is ready to join. The provisioning app will connect to the new driver, configure security keys, addresses and other data so the new Controller can join the Mesh Network. After the new Controller joins the Mesh Network it is ready to be configured (publishing / subscribing data.)

Applications

The **Close Contact/Sensor Controller** is a wireless module that controls a Non Bluetooth Mesh Sensor. This pairing can be used in a multitude of applications such as; turning lights on or off when vacancy or occupancy has been detected.

Connectivity

Devices are repeaters for other devices and should be installed within a certain maximum distance from each other.

Typical maximum distance:	50ft
Outdoor (line of sight):	200ft
Indoor (through building material):	
Glass:	100ft
Drywall:	70ft
Cinderblock:	60ft
Brick:	50ft
Concrete + rebar	0ft

Devices with external antenna should have the antenna outside any metal box and away from metal surfaces as metal reduces connectivity.

For design purposes a 60ft. maximum distance is appropriate for most installations.