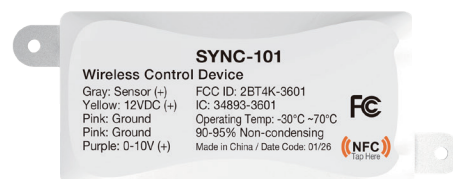


Wireless Control Device

Overview

- Single Channel 0-10VDC Dimming
- Mounts In Fixture
- Antenna Rated For IP65
- Zoning, Synchronous Dimming
- 12 VDC Only
- 5dBi & 3dBi Indoor And Outdoor Antennas Available (order separately)



IP65 Extended Range Antenna should be mounted outside of Fixture

Applications

The SYNC-101/SYNC-101-ANT Wireless Control Device allows for one channel of 0-10VDC dimming, and load control output (active high). This device features an IP65 rated SMA, RP, female antenna connector. Antenna must be ordered separately.

SYNC-101/SYNC-101-ANT is controlled wirelessly via wireless mesh technology allowing for wireless dimming of LED lighting. The controller communicates with other devices such as switches and sensors via the wireless mesh network. The device outputs a 0-10VDC dimming signal to compatible drivers (and controls dim-to-off products) as well as a 12VDC Power Supply.

Specifically designed for indoor or outdoor lighting, this controller with long range antenna extends the range of wireless mesh messages. Users can deploy cost-effective, robust wireless mesh control across indoor and outdoor applications of all sizes.

Wireless Control Operation

Syncmesh: The controller is a 2.4 GHz wireless communication and offers 0-10 v sensor connect and follow the action of the sensor, and set the group through the remote control, through wireless linkage device.

Configuration of the device and mesh network is accomplished via the Syncmesh remote control 2.4 GHz. By the self-developed wireless localization deployment method, devices can be freely connected to the act on one's own network, and sensor signals can also be automatically detected.

Sensor device as master pre-set groups will follow this master the signal is activated to achieve the function of localized wireless distribution network control for multiple controllers.



Summary

Product Type:
1-Channel Wireless Fixture Controller

Input Voltage | Current Consumption:
12VDC | 100mA

0-10V Output: 15 mA

Mounting: Controller fixture mount, antenna mounts outside of fixture to maximize range

Max Wireless Range¹:
50ft (15.24m for indoor)
150ft (45.72m for outdoor)

Operating Temperature:
-30° C to 70° C

Storage Temperature:
-40° C to 85° C

Relative Humidity:
90-95% non condensing at 30°C

Color: White

Warranty: 5 years

Note:
1. Wireless Range is highly dependent on the integration of fixtures, surrounding environment and conditions. It is recommended to conduct testing for range accuracy.

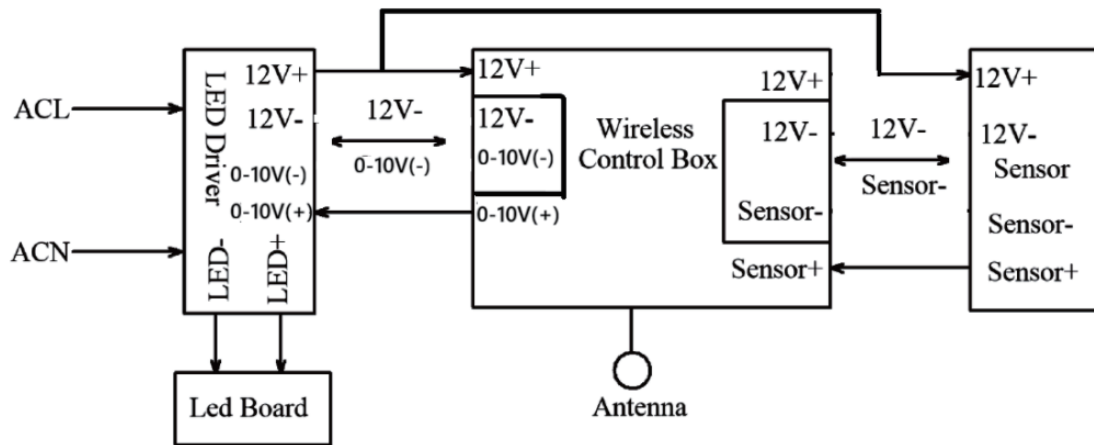
Wiring Table

Wire	Designation	Notes	Size
Pink	Pink1: 12VDC-0-10V-(LED Driver) Pink2: 12VDC-/Sensor-(Sensor)	Common Ground	#22 AWG
Yellow	12VDC + Power Input	Power Input	
Purple (Violet)	0-10V+ Dim Output	Luminaire Control Output	
Gray	Sensor Dim Input	Luminaire Control Input	

Project

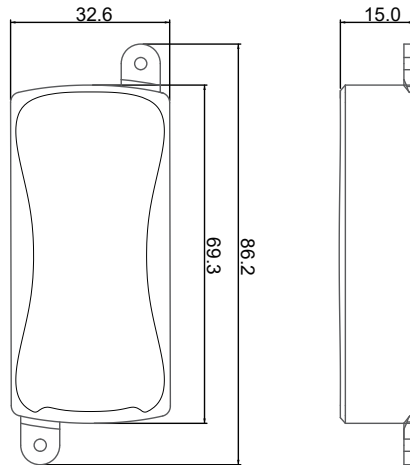
Location/Type

**Wiring Example Application:
Controller With Dim To Off Driver—12VDC Auxiliary Power,
Long Range Antenna**



Physical Dimensions

Enclosure, Indoor Only:



INDUSTEY CANADA STATEMENT:

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- 1. This device may not cause interference.*
- 2. This device must accept any interference, including interference that may cause undesired operation of the device.*

This equipment complies with RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 5 mm between the radiator & your body.

INDUSTEY CANADA STATEMENT(French):

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- 1. L'appareil ne doit pas produire de brouillage;*
- 2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.*

Cet équipement est conforme aux limites d'exposition aux rayonnements RSS-102 établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance minimale de 5 mm entre le radiateur et votre corps.