

NLCPC2

3A Fixture Controller

Product Description

The NLCPC2 is a Bluetooth wireless fixture controller that seamlessly converts any standard 0-10V luminaires into wireless controlled fixtures. It can also be connected to non-Bluetooth sensors (NLCSPCWNBWH). It operates a 3A (max) load at 120/277V to control luminaires while providing 0-10V dimming capability to luminaires. The NLCPC2 can be secured directly to any 1/2-inch knockout using the threaded nut included. Setup and commissioning requires the NICOR NLC mobile app (iOS and Android).

Construction

- Made of fire retardant plastic (UL 94-5VA)
- IP20

Network Technology

- Bluetooth Low Energy (BLE) 4.2 / 5.0 with mesh networking
- Bluetooth range: up to 100ft (line of sight)
- Commissioned via NICOR NLC app (iOS and Android compatible)
- UL1376 Cyber Security Certification

Electrical

- Input voltage: 120-277VAC, 60Hz
- Input current: 3.1A Max
- Output voltage: 120-277VAC, 60Hz
- Output current: 3A Max
- Output wattage: 360W Max
- Dimming: Class 2, 0-10V DC, 10mA Max
- Operating temperature rating: -40°F to 131°F (-40°C to 55°C)
- Auxilliary voltage: 12VDC / 0.2A
- Operating humidity: 0 - 80%

Listings

- cULus Listed LED Controller
- UL2043
- DLC NLC5 listed
- RoHS compliant

Warranty

- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge)

Project

Catalog

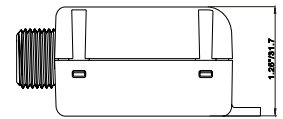
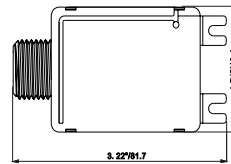
Type

Date



NLCSPCWNBWH
(Sold separately)

Unit: inch/mm



Ordering Information

Example: NLCPC2

Series	Product	Type	Version
NLC	P (Power Pack)	C (Control Relay)	2

Specifications and dimensions subject to change without notice.

Accessories*

*accessories sold separately

Non-Bluetooth Ceiling Mount Sensor

NLCSPCWNBWH

SPC Ceiling Mount

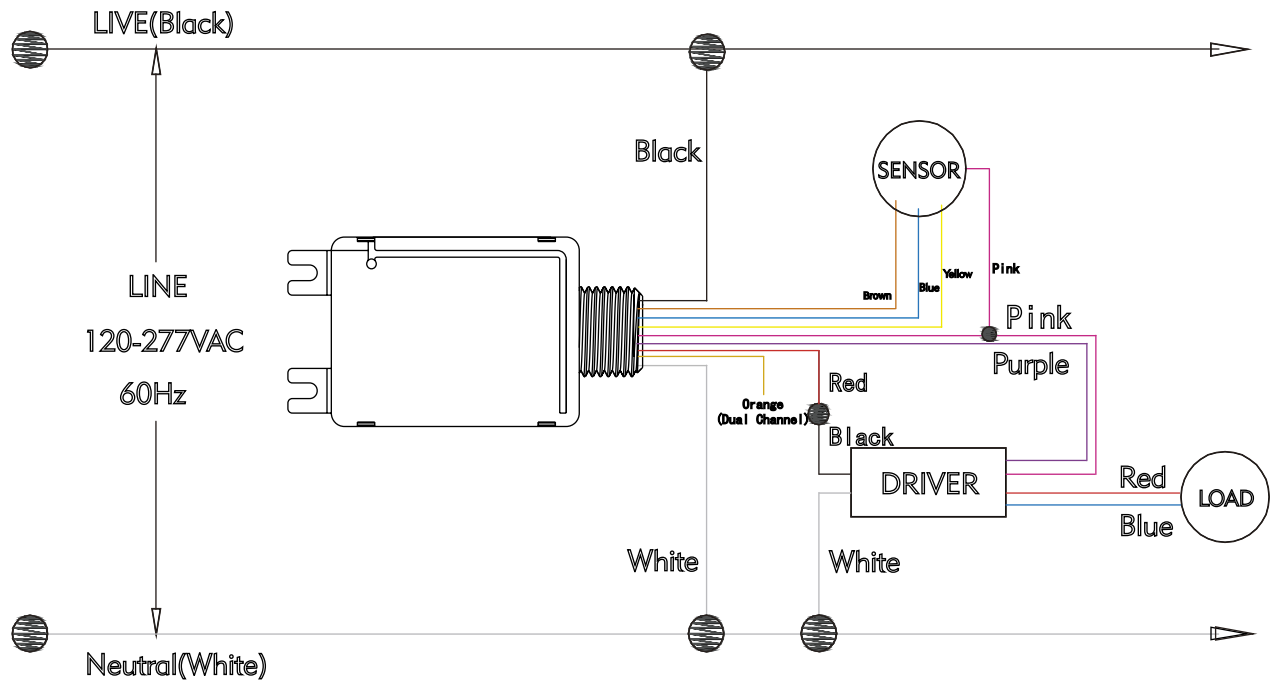
NLCSPCMOUNT1

6.5ft Plenum rated Sensor Cable with Connector

NLCSC2WH



Fixture Wiring Diagram



This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.