

Phase Controller Forward | Model: C-F00-11-DL00



Specifications

- Forward Phase Dimming
- 200 W Max
- Line Input: 110-240VAC 50/60Hz
- Auxiliary +24VDC Output - 100mA
- Max Output Current - 1.9A
- Operating Temperature - -4° to 149°F (-20°C to 65°C)
- Power Measurements - 0.03 to 10Amps. 2% accuracy
- Wire Range - 18 - 22 AWG Wire, Solid or Stranded
- Strip Length - 9mm Max
- Dimensions - 5.25" x 1.5" x 1.25"
(134 x 38 x 29 mm)

Description

The **C-F00-11-DL00 Forward Phase Controller** is the ideal solution for standalone projects as well as the backbone of complex Mesh Networks.

Operation

The **C-F00-11-DL00 Forward Phase Controller** dims on VAC. Once powered up, the device broadcasts its identification code waiting to be provisioned through the BubbllyNet App.

This device has been tested with different loads and resulted in proper performance. Full and proper dimmability cannot be guaranteed for all kinds of 3rd party devices. Expected results can only be determined by testing in BubbllyNet's facilities.

Features

- For Magnetic Low Voltage loads
- Simple to install
- Wireless. Bluetooth Mesh

Certifications



Installation

Devices with external antenna should have the antenna outside any metal box and away from metal surfaces as metal reduces connectivity. The installation of the **C-F00-11-DL00 Forward Phase Controller** is very simple. The two wires for VAC input are connected to the mains and the two wires for the VAC output are connected to the luminaire to be controlled. As soon as the device is powered up 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 device, configure security keys, addresses and other data so the new bridge can join the Mesh Network. After the new device joins the mesh network it is ready to be configured (publishing / subscribing data.) **For best results, controllers need to be installed within 30 feet of the closest device within the Bluetooth Mesh network. Signal strength significantly decreases in presence of metal barriers such as when devices are enclosed in metal boxes.**

Connectivity

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

Typical maximum distance:

Outdoor (line of sight): 200ft

Indoor (through building material):

Glass:	100ft
Drywall:	70ft
Cinderblock:	60ft
Brick:	50ft
Concrete + rebar	0ft

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

Driver in metal housing

