LCCONTROL20/D10

RAB | Controls

Project:	Type:
Prepared By:	**Date:**

The Controller is the basic building block of the Lightcloud system. Use it for switching and 0-10V dimming. Deploy it for power management. Or simply use it to extend the range of your Lightcloud mesh network.

Color: Black   Weight: 0.4 lbs

Technical Specifications

Listings

UL Listing:

Suitable for indoor and outdoor use

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities

Electrical

Input Voltage:

120-277 VAC

Frequencies:

50/60 Hz

Current Draw:

30 mA @ 120VAC
20 mA @ 277VAC

Load Switching Capacity:

120-277VAC: 15A Electronic (LED)
277VAC: 20A Magnetic/Resistive
240VAC: 20FLA/60LRA, 2HP
120VAC: 15A Tungsten, 1HP
Zero-cross switching for reduced inrush current and improved relay contact life

Dimming Driver:

Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Can dim as low as 1%. Actual dimming range is defined by driver.

Construction

IP Rating:

Ingress Protection rating of IP66 for dust and water

Operating Temperature Range:

-20°C to 40°C

Storage Temperature Range:

-40°C to 80°C

Maximum Relative Humidity:

85%

Mounting:

Junction box for both indoor or outdoor. Lighting panel, trough or fixture.

Wire Gauge:

4x6 in 12AWG High-voltage pigtails, stripped
2x12 in 22AWG Low-voltage pigtails, 300V insulation, stripped

Wireless Range

Obstructions:

100 feet

Other

Warranty:

10-year full hardware warranty with 100% repair/replacement coverage for all properly installed devices.

Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Features

Easy setup - simply power on, confirm device connectivity and call 844-LIGHTCLOUD

Cylindrical design for easy installation at threaded junction boxes

Cloud-based management - no software to install or maintain

Connects to Lightcloud Gateway and other Lightcloud devices

Connects via a secure, encrypted, and self-healing 2.4 GHz wireless mesh network

Repeater Mode to extend range of wireless mesh network

If power to Controller is lost, notification is shown in the Lightcloud application

If communication is lost, Controller can fall back to a customizable emergency state