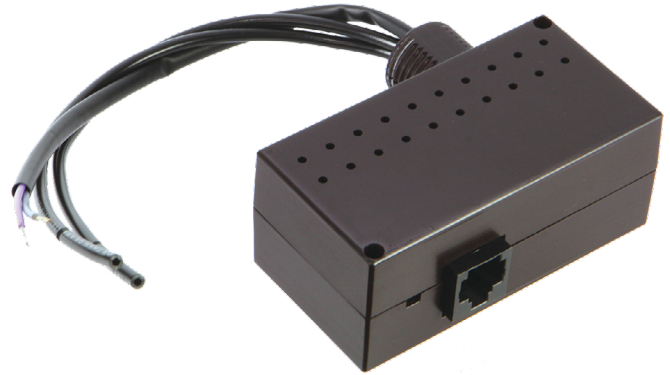# intelligent
lighting controls

LightLEEDer	Remote 20D

Overview

The ILC Remote 20 Dimming (R20D) relays are designed to be mounted at the power junction box or lighting fixture for direct control of the lighting load. Relays are controlled from the EVO panel using a standard CAT-5 cable connection to the R20D relay RJ-45 jack. The R20 series relay uses oversized contacts designed to handle LED inrush current. Tested at 16 Amps electronic driver that can commonly exceed 200% of running current of the R20D latching relay load. The R20D has galvanically isolated 0-10V dimming which allows for class 1 wiring of the low voltage dimming. Loss of power to the LLEVO panel will force dimmer output level to 100%.

Features

- **Made in the USA, meets BAA and BABA requirements**
- **Digital Cat-5 Ready**
- **Remote R20D** controlled form LLEVO panel up to 100 feet
- **16 Amp** rating for LED lighting loads
- **Plug-load** compatible
- **Latching** relay holds position without presence of power, saving energy
- **Direct mounting** at power junction box or light fixture with 1/2" K.O.

- **RJ-45** connector for Cat-5 cable to EVO panel
- **6" Wire leads** for line/load and dimming connections
- **600V rated wire** allows 0-10V in high voltage compartment
- **Galvanically Isolated** 0-10 dimming control
- **100% Dim level** when the LLEVO loses power
- **UL and CUL listed**
- **Plenum rated**

Warranty

Five-Year limited warranty
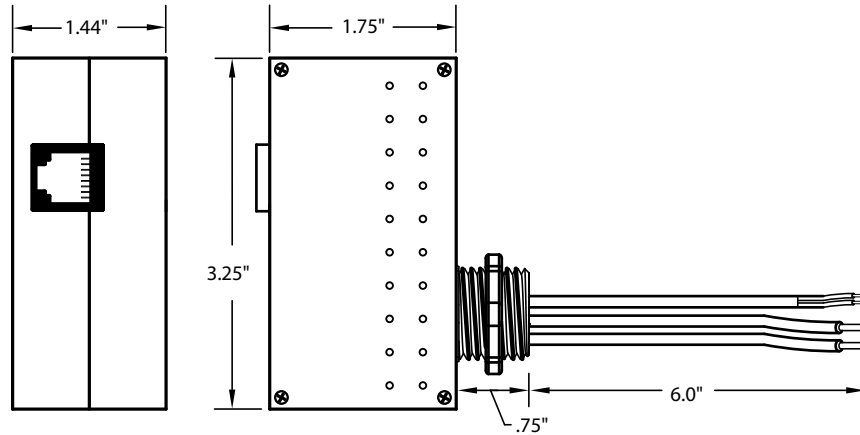
Ordering

LightLEEDer Remote R20D Relay
R20D

Series:
R20D = with Dimming

COOPER
Lighting Solutions
a signify business

intelligent
lighting controls

| LightLEEDer | Remote 20D |

Physical

Specifications

Safeguards:
- Oversized contacts to extend relay life
- 600VAC rated 0-10V leads
- Galvanically isolation to1500V for the 0-10VDC dimmer outputs, with revert to 100% on power loss

Physical:
- Dimensions 3.25" x 1.75" x 1.44"
- Black glass-filled ABS plastic enclosure
- •/2" nipple for mounting to electrical box
- 6" wire leads for connections provided
- RJ45 connectors provide for easy connection

Low Voltage Control:
- 100' operational distance from controller over CAT-5
- Isolated 0-10V dimming control for R20D relay

Electrical:
- 16Amps, 120/277/347 VAC resistive
- •6Amps, 120/277/347 VAC general loads
- 16Amps, 120/277/347 VAC HID and ballast
- 16Amps, 120/277/347 VAC electronic ballast (LED)
- •/2HP @120VAC motor load
- 100mA sink for 0-10V dimming
- Plug-load compatible

Operating Environment:
- Location: Interior Space
- Operating Temp.: 0° to 50° C
- Humidity: 10% to 90% Non-condensing
- Atmosphere: Non-explosive/corrosive
- Vibration: Stationary

Domestic Preferences:

Domestic preference options to meet BAA or BABA requirements. BABA is the minimum Government compliance requirement for the Build America Buy America standards which is part of the Infrastructure and Investment Jobs Act (IIJA). Individual Government Agencies may have more stringent compliance standards. Please refer to the DOMESTIC PREFERENCES website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements.

Certifications:
- UL and CUL Listed
- FCC
- Plenum rated