

infiNET™ Lamp Dimmer



The CLF-DIMRFB is a free-standing dimmer module designed to sit on the floor to provide dimming control of a conventional floor lamp or table lamp. It enables local dimming control via a built-in footswitch, and also operates as part of a complete Crestron automation system communicating via the infiNET wireless control network.

infiNET™—Crestron's groundbreaking infiNET wireless technology affords reliable 2-way communications throughout a home or office structure without the need for physical control wiring. Numerous infiNET dimmers, switches, and other devices can be linked to the control system via a single RF gateway. Employing a 2.4 GHz mesh network topology, every infiNET device functions as an RF repeater, increasing effective range and reinforcing the complete network by providing multiple redundant signal paths within the mesh network.

Lighting Control—The single large pushbutton can be operated by hand or foot. Pressing the button alternately selects between a user-settable "on" level and fully off, fading naturally up and down with each press.

A slide switch is also provided to select between RUN, SET, and OFF modes. RUN is the normal operating mode as described above. SET mode is used for storing the preset "on" level, while switching to the OFF mode completely disables the dimmer and disconnects all power to the load to facilitate changing bulbs.

The status LED serves a dual purpose, providing helpful status confirmation during operation and setup, and glowing dimly when idle to make the dimmer easy to locate in the dark.

Automation System Integration—Its connection to a control system allows the functions of the CLF-DIMRFB to be controlled from touchpanels, keypads, wireless remotes, and computers to support unlimited flexibility for remote control and integration with other devices and systems. However, in the event that communication with the control system is disrupted for any reason, the CLF-DIMRFB will remain operable to control the lamp.

Easy Installation—System design, installation, and upgrade using infiNET dimmers could not be easier. Since there's no control wire required, the CLF-DIMRFB is ready to use as soon as it's plugged into an electrical outlet. Setting up a complete network of infiNET devices is simple, utilizing dynamic discovery (self-install) to locate and acquire each RF device automatically. Setting the RF ID of each device employs the same convention as Crestron's familiar TSID method, and each device is programmable using Crestron SystemBuilder™ or D3Pro™ software just like any wired Cresnet device. Even firmware updates are performed over the wireless network.

No further action is required to configure the infiNET network. Each device assigned to a common gateway automatically behaves as a repeater for any other devices within range (approximately 150 feet indoors), and additional repeaters may be added if necessary. At all times, the infiNET gateway monitors each device on the network, ignoring any other 2.4 GHz signals, and reconfiguring the entire network automatically in response to new sources of interference and other changes in RF conditions.

- > 500 Watt/VA incandescent lamp dimmer
- > Foot-operated pushbutton
- > Crestron system integration via infiNET wireless network

SPECIFICATIONS

Load Ratings

Incandescent / Tungsten Halogen: 500 Watts/VA

Power Requirements

120 Volts AC, 60Hz

Controls

Button: Foot-operated pushbutton, toggles between on (at preset level) and full-off

Mode Switch: 3-position slide switch, selects RUN, SET, or OFF mode

LED Indicator

(1) Amber LED, flashes in various patterns to warn when in SET mode, to indicate that a preset has been stored, and to indicate setup and communication status; normally glows dim in RUN mode to provide a locating beacon in the dark

Wireless

RF Transceiver: 2-way RF, 2.4 GHz ISM Channels 11-26 (2400 to 2483.6 MHz), IEEE 802.15.4 compliant

RF Output Power: 10 mW

Range (typical): 150 feet indoor, 250 feet outdoor

Subject to site-specific conditions; range is increased by adding additional devices or C2N-MNETRPT repeater; C2N-MNETGW gateway/transceiver required

Connections

Line: (1) 6 ft (1.83 m) grounded AC power cord, right-angle plug

Load: (1) ungrounded AC power socket

Environmental

Temperature: 32° to 104°F (0° to 40°C)

Humidity: 10% to 90% RH (non-condensing)

Enclosure

Free-standing, black metal with high-impact injection-molded plastic footswitch

Dimensions

Height: 2.38 in (6.03 cm)

Width: 3.15 in (8.01 cm)

Depth: 3.69 in (9.37 cm)

Weight

0.90 lb (0.41 kg)

AVAILABLE ACCESSORIES

C2N-MNETGW infiNET Gateway/Transceiver

C2N-MNETRPT infiNET Repeater