UVR
UV RESOURCES

CU2™ with UVRepeat™

BENEFITS

- Simple Go/No Go "real-time" verification of both lamp and ballast operation
- Provides a highly visible green Status LED indicator locally
- Offers a 0–5 Vdc signal that's easily monitored by most Building Management Systems
- Solid state, needs no power and lasts for 50,000 hours or more
- No need to shut lights off, enter a plenum or trigger a door switch
- Rated up to 5 Amps per connection
- **5-year product warranty**
- Very affordable and reliable

The CU2™ is a "first of its kind" lamp monitoring system for UV-C lamps and ballasts. A feature long desired by both consulting engineers and facility engineers, the CU2 provides a local and/or remote signal to monitor and confirm the proper operation of every UV-C lamp and ballast in a facility.

The CU2™ is a continuous current monitoring device that can also act as a power on/off indicator. It provides a direct readout green LED locally that informs the on/off state of an installed UV-C lamp and corresponding ballast. It's no longer necessary to directly access and look at UV-C lamps in use.

It is additionally equipped with a 0–5Vdc analogue output connection point that provides the building operator with a signal for monitoring the on/off performance of a UV-C system remotely, such as a building management system. The signal informs the Building Management System as to whether each ballast and lamp is operational. CU2 is warranted for 5 years.

Application

The CU2 can be used with virtually any lamp/ballast combination. When installed between a lamp and ballast the CU2 produces a 0–5 Volt signal that alerts the BMS instantly if the lamp or ballast fails. Through its unique design, when installed the level of current flowing between the ballast and lamp is inductively converted to a linear 0–5 Volt output signal with no moving parts or components to fail. The signal can be monitored by any system capable of accepting it. It instantly, accurately and reliably instructs the BMS or other device as to whether a lamp or ballast is on or off.

The CU2 is a solid state, instantaneous and consistently accurate device that provides a signal of from 1 to 100% of full output, and because of its affordability, the CU2 is typically installed at each lamp/ballast installation to provide both a direct and remote indication of lamp/ballast performance, thus eliminating the necessity of having to access the UV system directly, or having to go to the UV system installation to see if the lamps are lit.

Unlike other monitoring devices, the CU2 does not require separate power to provide its lamp/ballast monitoring capability. It simply and reliably provides continuous monitoring of the current flowing from the ballasts to the installed lamps and fixtures.

In applications where multiple CU2s are used, a UVRepeat™ replicator can be combined with up to (8) lamps/ballast combinations to result in only one output signal to the BMS. he distinct advantage of the UVRepeat is the minimizing number of direct connections made to a BMS.

CU2

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SPECIFICATIONS

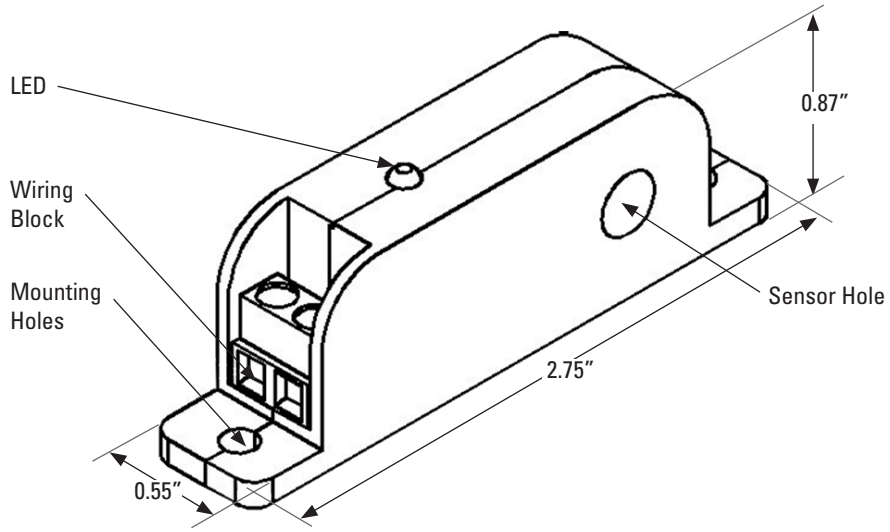
HOUSING AND COMPONENTS are factory-assembled and tested. They consist of a housing, PC board and wire block. Construction is designed to withstand HVACR environments.

HOUSING is constructed of industrial grade plastic and equipped with a direct reading high output green LED. It features two mounting holes and an external wiring block for wiring to a remote sensing or input device.

PC BOARD facilitates the conversion of an inductive field to a regulated electromotive force of 1–5 V maximum.

WIRING BLOCK consists of one positive and one negative screw-down terminals capable of accommodating wire sizes of up to 18 ga.

CU2 LAMP/BALLAST MONITOR



ORDERING INFORMATION

Model #	P/N	Description	Electrical
CU2-4	90004044	CU2 Lamp/Ballast Sensing Monitor	—
CU2-RPT	90004048	UVRepeat™ – CU2 Port Replicator	—

The UVR website contains tools that let you select, specify, and/or purchase complete UV-C systems. You'll also find valuable content that will help simplify installation, operation, and maintenance of UV-C systems. For more information, go to **www.uvresources.com**

Specifications subject to change without notice.