

GENERAL INSTALLATION INSTRUCTIONS

CU2™ UV lamp/ballast Sensing Monitor



CAUTION! Never Expose Eyes or Skin to UV-C light – Completely Read all Materials before Starting

SAFETY CONSIDERATIONS

Improper installation, adjustment, alteration, service, maintenance, or use can cause fire, electrical shock, or other conditions which may cause personal injury or property damage. Consult a qualified installer, service agency, or your supplier for information or assistance. The qualified installer or agency must use factory kits or accessories when installing this product. Refer to the individual instructions packaged with kits or accessories when installing them. Follow all safety codes, wear safety glasses and work gloves. Read all instructions thoroughly and follow any warnings or cautions attached to any accessed area. Consult local building codes and the National Electrical Code (NEC) for all applicable requirements.

Understand the signal words **DANGER**, **WARNING**, or **CAUTION**. These words are universally used for overall safety. **DANGER** identifies the most serious hazards, which will result in severe personal injury or death. **WARNING** signifies hazards, which could result in personal injury or death. **CAUTION** is used to identify unsafe practices, which would result in minor personal injury or product and property damage.



WARNING: Before installing or servicing this unit, turn off and lock-out all power, there may be more than one (1) switch.

General:

The CU2 is a continuous monitoring device that will provide a direct on/off LED display lamp, and a 5V on/off signal, which may be used to signal a Building Management System or Alarm, etc. that the monitored UV-C ballast and/or lamp is/are operational.

Power Input / Output:

The CU2 is designed for a line power current input of 300mA – 1A and will produce an induced low voltage output of 5V DC.



NOTE: The CU2 sensor **does NOT** require an external power source. Power is self-induced through lamp line power inductance.

CAUTION: Using the CU2 in any other method than shown voids product warranty and may do damage to the entire system.

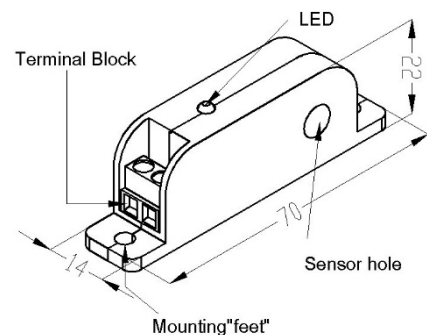
Installation:

Proper mounting on Lamp side of power supply allows for two **similar** Loom lamp conductors (e.g. both reds) through the CU2's inductor (shown).

1. Consult all applicable NEC and local codes before installation.
2. The CU2 is for use with **Insulated Wires Only** – no bare wires.
3. Power supply lamp wires (2- each 18 AWG insulated (e.g. red)) are needed for current sensing.
4. The CU2 sensor should be mounted perpendicular to the Loom wires and made visible where needed.
5. Once the proper location is found, mount the CU2 sensor using the two hex head screws provided.
6. Run two (e.g. two red) wires from the four conductor Loom through the CU2 sensor hole and connect to the Power Supply as shown in its IOM or on the Power Supply itself.

CU2 Output Options:

1. When the Power Supply and Lamp are working properly the CU2's LED will illuminate.
2. In addition, the CU2 will provide a 5V signal to its terminal block for remote reporting.
3. When either the Lamp or the Power Supply are off the 5V signal will be absent.
4. Most building management systems can accept this "on 5V" or "off 0V" - it provides a positive signal that the Lamp and Power Supply are either on or off.



LIMITED EQUIPMENT WARRANTY

FOR DETAILED INFORMATION, VISIT <https://uvresources/warranty>



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