Installation Instructions for Model: CU-2-1R

Installation Materials (Not Supplied)
- Wiring Connectors: All existing wiring connectors must be replaced with new UL listed wiring connectors, either wire nuts or captive-type connectors. All wiring connectors must be correctly sized for the application and sized for the number and the size of the electrical conductors.
- Sheet Metal Screws: The CU-2 can be secured with two #8 sheet metal screws.

Caution
- Disconnect all power before installation or service.
- All installations and maintenance work must be performed by qualified personnel.
- The CU-2 must be installed in accordance with state, local and national electrical codes and requirements.
- The CU-2 must be installed in a UL-rated fixture or enclosure rated for this application.

Warning: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at user’s expense.

Installation Instructions for the CU-2
1. Turn off all power to the light fixture by switching off the circuit breaker.
2. Open the fixture cover and remove the cover for the ballast cavity. The ballast and its wiring should now be visible.
3. Utilizing a voltmeter, verify power is off to the ballast. If power is present, stop work, identify and switch off the circuit breaker.
4. Place the CU-2 in the desired location and secure with sheet metal screws.
5. Disconnect the “Hot” wire (Line) of the ballast (Note: Some Ballasts have separate Line Input wires for 120VAC and 277VAC).
6. Connect the black wire (Line) from the CU-2, to the “Hot” wire (Line) input power using a wiring connector.
7. Connect the AC input “Hot” wire (Line) of the ballast to the black Wago terminal of the CU-2, if necessary, strip 3/8” insulation off the ballast wire to ensure a reliable connection to the push-in style terminal.
8. Connect the white wire (Neutral) of the CU-2 to the white wire (Neutral) of the incoming power using a wiring connector.
9. Connect the Neutral wire of the ballast to the white Wago terminal of the CU-2, if necessary, strip 3/8” insulation off the Neutral wire to ensure a reliable connection to the push-in style terminal.
9. Bend wires into place such that the ballast cover can easily be reattached.
10. Install the RJ11 (6p6c) modular data cable between the CU-2 and the SU-2 mounting location. If necessary, utilize one of the electrical conduit knock-outs of the fixture to enable efficient routing of the RJ11 modular data cable.

Additional Installation Instructions for use with a Dimming Ballast
1. Connect the violet wire (+) from the dimming ballast, (or install a violet wire from the violet terminal of the 0-10VDC control terminal of the dimming ballast or LED driver) to the violet Wago terminal on the CU-2
2. Connect the gray wire (–) from the dimming ballast, (or install a gray wire from the gray terminal of the 0-10VDC control terminal of the dimming ballast or LED driver) to the gray Wago terminal on the CU-2
3. When switched on, the lamps should turn on to full brightness. (Approximately 10VDC between the violet wire and the gray wire.)

Complete the Installation
1. Install a snap bushing into a knockout hole on the lighting fixture and route the CU-SU cable through to the outside of the fixture. This will be connected to the SU upon its installation.
2. Install the cover for the ballast cavity and apply power to the newly wired lighting fixture.
3. The lights should turn-on to full bright state.
4. Refer to the Energy Manager Configuration and Installation Guide for details on provisioning the products.