

## FCC and Industry Canada Compliance Information

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 his own expense.

CAN ICES-003 (A)/NMB-003 (A)

## CE

This device complies with the essential requirements and other relevant requirements of CISPR 24, CISPR 32 in the EMC Directive 2004/108/EMC and is compliant with the following standards:

EN61000-6-2, EN61000-6-4. In addition, the device is compliant with the IEC 61347-2-11 safety standard for Lamp Control gear.

**Models:** CU-4E-FM,  
CU-4E-FMH



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## Technical Support

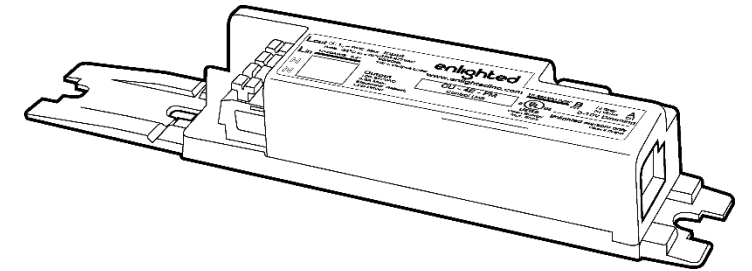
For questions regarding the installation or operation of this product, contact Enlighted  
**Technical Support:** support@enlightedinc.com

## Company Contact Information

**Location:** 3979 Freedom Circle, #210,  
Santa Clara, CA 95054  
**Phone:** +1.650.964.1094  
**Web:** enlightedinc.com  
**DoCs:** <https://www.enlightedinc.com/eu-docs/>  
**Support Portal:** support.enlightedinc.com



# Fixture Mount Control Unit Model CU-4E Install Guide



## Shipped Components

- Enlighted Fixture Mount Control Unit

## Items you will Need

- Two mounting screws, as appropriate for mounting the Control Unit to the inside of the luminaire

## Caution

Installation and maintenance must be performed by a qualified electrician in accordance with state, local, and National Electrical Codes (NEC) and requirements.

The Fixture Mount Control Unit must be installed in a UL-rated fixture or enclosure rated for this application.

## Installation Steps

**Step 1:** Switch off the circuit breaker supplying power to the light fixture.

**Step 2:** Open the fixture cover and remove the cover for the ballast cavity. The ballast and its wiring should now be visible.

**Step 3:** Utilizing a voltmeter, verify that power is off to the ballast. If power is present, stop work, identify, and switch off the circuit breaker.

**Step 4:** Place the Control Unit (CU) in the desired location and secure it with mounting screws. If desired, the CU mounting tab can be shortened by snapping off the tab at the notch on the AC input side of the CU.

**Step 5:** Disconnect the “Hot” wire (Line) of the ballast from the power input wire.

**Step 6:** Connect the power input “Hot” wire (Line) to the Control Unit black Wago **Lin** (Line In) connector.

**Step 7:** Connect the ballast power input “Hot” wire to the Control Unit red Wago **Lout** (Line Out) connector.

**Step 8:** Connect the power input (Neutral) wire to either one of the two white Wago **N** (Neutral) connectors on the CU.

**Step 9:** Connect the ballast (Neutral) wire to either one of the two white Wago **N** (Neutral) connectors on the CU.

**Step 10:** Bend wires into place such that the ballast cover can easily be reattached.

**Step 11:** Install the RJ45 sensor cable between the Control Unit and the Enlighted sensor. Do not use RJ12 cable as it may damage the sensor port. Refer to the corresponding *Sensor Installation Guide* for connecting the cable between the sensor and the Control Unit (CU).

## Additional Installation Instructions for Use with a Dimming Ballast

The Control Unit (CU-4E) can connect to two dimming ballasts on two separate channels (channels A and B) for “Tunable White” applications. If using both dimming channels, gently break the tab above channel B. For single channel dimming, use channel A terminals only. For multiple dimming drivers on the same channel the dimming wires may be connected in parallel (violet to violet and grey to grey) for all drivers on that channel.

**Step 1:** Connect the violet wire (+) from the dimming ballast to channel A violet Wago terminal on the Control Unit. Repeat for channel B if required.

**Step 2:** Connect the gray wire (-) from the dimming ballast to channel A gray Wago terminal on the Control Unit. Repeat for channel B if required.

## Completing the Installation

**Step 1:** If the sensor is mounted outside of the luminaire, use a snap bushing in the knockout hole on the lighting fixture to route and protect the sensor cable. If the sensor is mounted within the luminaire, then bushing is not needed.

**Step 2:** Install the cover for the ballast cavity and apply power to the newly wired lighting fixture.

**Step 3:** The lights should turn on to full bright state, and then may cycle or dim based on the sensor commissioning status or programming.

