



Installation Manual

Model: CR-515

Package Content:

- Current Monitor
- Current Transformer
- Double Sided Tape
- Installation Manual

Installation Instructions:



Step 1: All installation of the Current Transformer must be performed in accordance with all applicable **Electrical Rules and Codes**, subject to the area of installation. Before any installation, verify that the breaker is turned off. Mount Current Transformer (provided) on appliance current carrying conductor. The Current Transformer may be installed in electrical panel or in electrical box close to the appliance. The Current Transformer is installed by opening a split core and wrapping it around the desired wire. No exposed wire should be touched during the installation. Pull the Current Transformer wires outside of the electrical panel (or electrical box). Close electrical panel, or the box.

Step 2: Using the Double-Sided Tape provided, mount the Current Monitor sensor on the wall, at a desired location . Note: make sure that the Current Transformer's wire is able to reach the location of the sensor.

Step 3: Connect the wires from the Current Transformer to screw terminals on the Current Monitor sensor: marked as "CT".

Step 4: Power up the Current Monitor sensor with 12V DC supply. The Current Monitor sensor may be powered either directly from an alarm panel or from external 12V DC power supply (not included). The positive voltage wire connects to screw terminal marked as "12V" and the negative wire connects to screw terminal marked as "GND". When the unit is powered properly, the PWR LED will be lit.

Step 5: Connect the Current Monitor sensor to the alarm panel using screw terminals marked "COM", "NC" or "NO" based on application

Step 5a (Monitoring Mode): Connect alarm panel to the Current Monitor sensor using "COM" and "NC" screw terminals.

Step 5b (Failure Mode): Connect alarm panel to the Current Monitor sensor using "COM" and "NO" screw terminals.

Step 6: Adjust the current level for the used appliance. Turn on appliance before starting the adjustment.

Step 6a (Monitoring Mode): Take the current adjustment set screw to maximum current and slowly turn counter clockwise until the relay is triggered and the alarm panel identifies appliance as turned ON.

Step 6b (Failure Mode): Take the current adjustment set screw to maximum current and slowly turn counter clockwise until the relay is triggered and the alarm panel does not identify any issues.

Step 7: Turn off appliance and verify the result on alarm panel.



Limited Warranty

Logenex Innovations Inc. warrants that the Current Monitor sensor and all the enclosed components will be free from manufacturing defects (material, workmanship or design) under normal use and service for a period of one year from the date of purchase. This warranty is limited to repairing or replacing the sensor or any part which will be found to be defective in material, workmanship or design, free of charge, upon providing proof of date of purchase and sending the sensor with all its components to: Logenex Innovations Inc., 6A-7500 Martin Grove Rd. Woodbridge, Ontario L4L 8S9. Shipping charges, including customs, brokerage and etc., are not included in the warranty.

This warranty will not cover any damage, modifications or abuse to the sensor after the date of purchase if it fails to operate due to improper setup or inadequate power supply. All implied warranties for the sensor are limited for duration of the warranty period. Any repairs performed on the sensor by the manufacturer are warranted for remainder of the warranty period or for thirty (90) days, whichever is longer. In no event shall the manufacturer have any liability for any personal injury, property damage or any special, incidental, contingent or consequential damage of any kind resulting from defective goods or otherwise arising from the improper, incorrect or otherwise faulty installation or use of the product.