

C-IT Installation Instructions

Important Safety Notes

Please read before installing.

1. Installation must be performed by Qualified Service Personnel.
2. Do not use to control receptacles, motor operated appliances, or transformer-supplied appliances.
3. Install in accordance with all National Electrical Code and local regulations.
4. The unit must be installed within an approved luminaire or an approved junction box.
5. Do not use in any luminaire in excess of 500W.
6. For dry indoor use only. Not to be used in wet, damp or hazardous locations.
7. Operate between 32°F (0°C) and 113°F (45°C) only.
8. All disassembly and reassembly of existing luminaires must be performed in accordance with the manufacturers instructions.
9. Make sure all connections are in accordance with the National Electrical Code and any local regulations.
10. Do not use this product for other than the intended use.

DO NOT DISPOSE OF IN UNSORTED MUNICIPAL WASTE. Artemis Automation, Inc. is fully committed to reducing the environmental impact of its products, processes and packaging. This Artemis products has been fully tested by Nationally Recognized Testing Laboratories and demonstrated to meet all specified requirements for RoHS, WEEE and REACH. Contact Artemis Automation at www.ArtemisAutomation.com or the phone number below to see our full compliance statement and to arrange for return and recycling.

Limited Warranty

Artemis will, in its sole discretion, repair or replace any unit that is defective in materials or manufacture within one year after purchase. For warranty Service, return the unit to place of purchase or mail to Artemis Automation, 148 Rt. 202, Somers NY 10589, postage pre-paid.

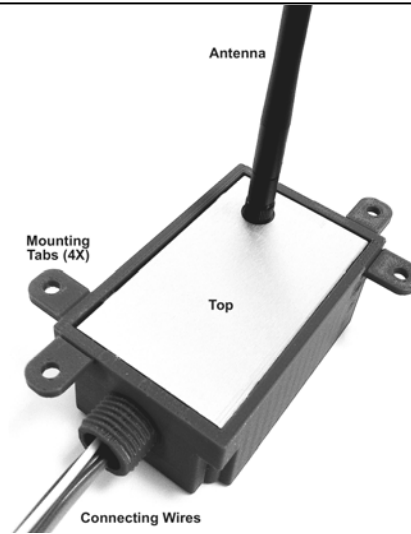
THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES AND THE IMPLIED WARRANTY OF MERCHANTABILITY IS LIMITED TO ONE YEAR FROM THE DATE OF PURCHASE. THIS WARRANTY DOES NOT COVER THE COST OF INSTALLATION, REMOVAL, OR REINSTALLATION, OR DAMAGE RESULTING FROM MISUSE, ABUSE OR DAMAGE FROM IMPROPER WIRING OR INSTALLATION. THIS WARRANTY DOES NOT COVER INCIDENTAL OR CONSEQUENTIAL DAMAGES. ARTEMIS' LIABILITY ON ANY CLAIM FOR DAMAGES ARISING OUT OF OR IN CONJUNCTION WITH THE MANUFACTURE, SALE, INSTALLATION, DELIVERY OR USE OF THE UNIT SHALL NEVER EXCEED THE PURCHASE PRICE OF THE UNIT.

1 Turn Power OFF

Turn power OFF at circuit breaker box. Use appropriate Lockout/Tag-out procedures to prevent any unauthorized power-on condition while the unit is being installed.

WARNING: Shock Hazard! May result in serious injury or death. **Turn power off at circuit breaker before installing the unit.**

2 C-IT Configuration



3 Mechanical Mounting

Locate a suitable location inside or outside of the luminaire to mount the C-IT unit. For a typical fluorescent luminaire, this may be inside the troffer near the ballast within the ballast cover compartment. The Antenna, located on the end of the C-IT unit opposite where the wires exit, must protrude from the Luminaire for proper operation. Locate a knock-out in the fixture or drill a 1/2" to 3/4" hole in the top of the fixture for the antenna to protrude. This hole should be centered approximately 1/2" from the end of the unit, and 1/2" in from the side of the unit.

WARNING: Make sure the area above the luminaire where the antenna and the mounting screws will penetrate is clear of any obstacles before drilling.

The C-IT unit has four mounting tabs. Unused mounting tabs may be removed by bending them away from the top of the unit once or twice until they break off. Use appropriate mounting screws (Not supplied) to mount C-IT unit to the luminaire.

NOTE: The unit must be mounted with a minimum of two mounting tabs, one on each end of the unit or with the integral 1/2" nipple and included locknut. Do not over tighten mounting screws or locknut. Permanent damage may occur.

4 Wiring to Line Side Power Conductors

Disconnect the line power from the existing luminaire. Connect the line-in ungrounded (hot) conductor to the black conductor on the C-IT unit. Connect the line-in ungrounded (neutral) conductor to the white conductor on the C-IT unit. Secure these two connections as appropriate.

5 Wiring to Luminaire Side Conductors

Connect the white conductor with red stripe to the luminaire ungrounded (neutral) conductor for all applications.

Determine the type of fixture control wiring required.

1. **Incandescent Dimming and Non-Dimming, Fluorescent Non Dimming Ballast and LED Dimming and Non-Dimming** — Connect the RED conductor from the C-IT unit to the luminaire ungrounded (hot) conductor.
2. **Fluorescent Dimming ballast**, connect the LIGHT BLUE conductor from the C-IT unit to the switched ungrounded (hot) conductor on the ballast. Connect the RED conductor from the C-IT unit to the dimming ungrounded (hot) conductor on the ballast.
3. **HID and Fluorescent Stepped Dimming Ballast**, connect the LIGHT BLUE conductor from the C-IT unit to the ungrounded (hot) High-1 conductor on the ballast. Connect the RED conductor from the C-IT unit to the ungrounded (hot) High-2 conductor on the ballast.
4. **HID & Induction (Non-Dimming)**, connect the LIGHT BLUE conductor from the C-IT unit to the ungrounded (hot) conductor on the luminaire.
5. **HID and Fluorescent Dimming 0-10VDC ballast with internal source**— Connect the LIGHT BLUE conductor from the C-IT unit to the ungrounded (hot) conductor on the ballast. Connect the VIOLET conductor from the C-IT unit to the 0-10V Positive (+) conductor on the ballast. Connect the GREY conductor from the C-IT unit to the 0-10V Negative (-) conductor on the ballast.

Secure all connections as appropriate.



NOTE: In all cases, any unused conductors should be individually terminated with an appropriate size wire nut. Safe Off

WARNING: Improper wiring may result in serious and permanent

6 Power-On Test

LED, when lit has power, when flashing is communicating wirelessly.



Questions? Need assistance? Please contact Artemis Technical Support.



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C-IT (04-001005) WIRING SCHEMATICS

