

INNOVATEC C & I METER INSTALLATION

The Innovatec Commercial & Industrial (C & I) Meter Interface, hereafter referred to as C&I Meter, reads electric power consumption via serial communication with a electronic electric power meter. The C&I Meter may then transmit this meter read information to the utility via a Gateway product or directly over the WAN. The C&I Meter may also relay consumption information collected over the LAN from other remote measurement units (IMUs) to the utility computer system. C&I communicates information over the WAN via the Motorola Crealink 2 XT paging network transceiver or by routing through a Gateway product.

The C & I Meters are housed in NEMA4X enclosures and are typically mounted on buildings at the utility service entrance. They are powered using 90 - 265 VAC 60 Hz line voltage, typically tapped from the line side of the meter service.

Installation Instructions

Note: Installation of the Innovatec C & I Meter is to be performed by properly trained personnel only.

1. Determine C & I Meter mounting location. The Innovatec Meter must only be connected to no more than 265 volts AC. **Serious damage can result from connecting to a higher voltage.**

Note: The Innovatec C&I Meter is designed to operate only with the antenna supplied. Do not substitute any other external antenna without consulting Innovatec. Violation of FCC regulations may result if the Meter is operated with any other antenna.

To meet the FCC RF Safety Exposure Compliance, verify that both antennas are located such that a minimum of 42 cm or 17 inch separation is provided between the antennas and all persons.

2. Connect the RS232 cable from the C & I to the electric meter. The RS232 cabling should be run inside an electrical conduit to the utility meter.
3. Connect power from the utility service to the C&I Meter power connector. The power cable should be run inside conduit per local electrical code regulations.
4. Observe the power LED. Approximately 10 seconds after applying power to the C & I Meter, the power LED will light. Transmit and receive LEDs may illuminate several times during initialization. Close the hinged cover and secure the cover fasteners.

No adjustments to the Meter itself are possible. If the unit to be installed does not communicate with the LAN or does not configure properly, inspect for proper wiring and antenna connection. If the problem persists, return the C&I Meter to the Meter Shop for evaluation. Do not attempt to repair the Meter.

The meter is sold as an OEM product to utility companies. By no means would the meter be sold to departmental stores of any kind.

FCC WARNING STATEMENTS

NOTE: This equipment has been tested and found to comply with the limits for class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. The equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced Radio/TV technician for help.

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.