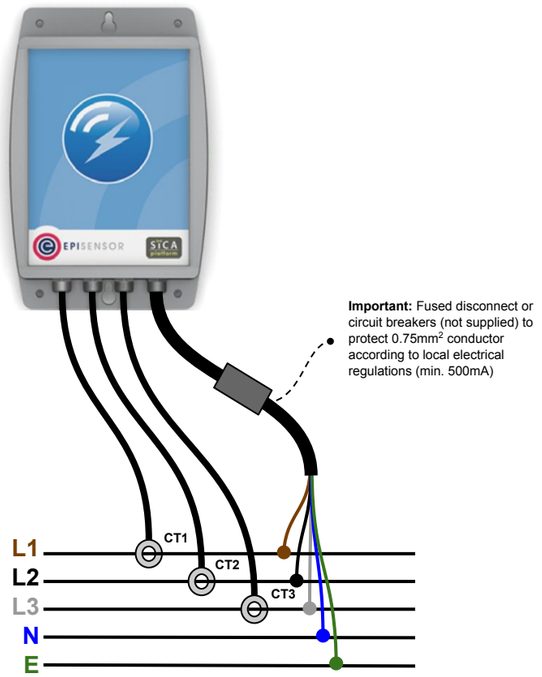
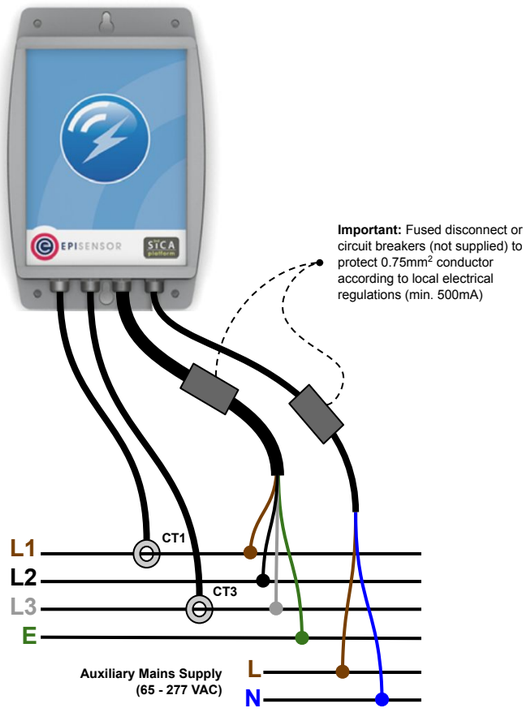
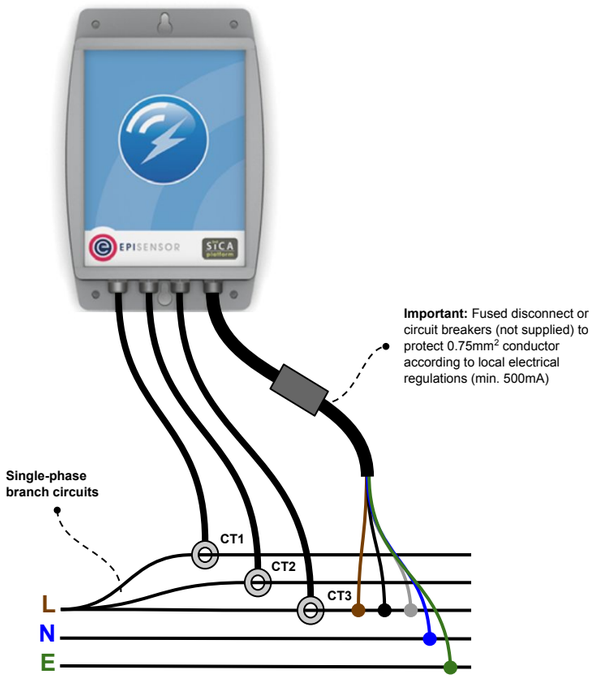
3-phase, 4 wire, 3CT (3PH4W3CT)



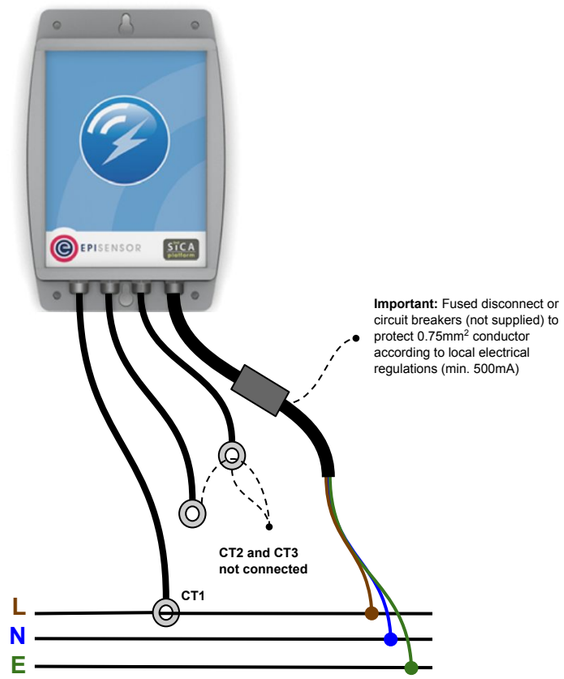
3-phase, 3 wire, 2CT (3PH3W2CT)



Single Phase, 3-channel, 3CT (1PH3CH3CT)



Single Phase, 1-channel, 1CT (1PH1CH1CT)



Install Sheet

ZEM-62 // Wireless 3-Phase Electricity Monitor

Document Ref. EPI-097-00

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- NEVER work alone.
- Use appropriate personal protective equipment (PPE) and follow safe electrical work practices.
- Only qualified electrical workers should install this equipment. Such work should be performed only after reading the entire set of installation instructions.
- If the equipment is not used in a manner specified by EpiSensor, the protection provided by the equipment may be impaired.
- Before performing visual inspections, tests, or maintenance on this equipment, disconnect all sources of electric power. Assume that all circuits are live until they have been completely de-energized, tested, and tagged. Pay particular attention to the design of the power system. Consider all sources of power, including the possibility of backfeeding.
- Turn off all power supplying the meter and the equipment in which it is installed before working on it.
- Always use a properly rated voltage sensing device to confirm that all power is off.
- Before closing all covers and doors, inspect the work area for tools and objects that may have been left inside the equipment or panel.
- When removing or installing metering or other equipment, do not allow it to extend into the energised bus.
- The successful operation of this equipment depends upon proper handling,
- Neglecting fundamental installation requirements may lead to personal injury as well as damage to electrical equipment or other property.
- Before performing Dielectric (Hi-Pot) or Megger testing on any equipment in which the energy meter is installed, disconnect all input and output wires to the energy meter.
- High voltage testing may damage electronic components contained in the meter.
- Failure to follow these instructions will result in death or serious injury.

Installation & Safety Notes

- EpiSensor equipment should be installed, operated, serviced and maintained only by qualified personnel. EpiSensor does not assume any responsibility for any consequences arising out of the use of this equipment.
- The voltage measurement inputs are rated for up to 277 V L-N or 480 V L-L. For any voltage exceeding 277 V L-N, an auxiliary power source must be used. Consult the ZEM-62 datasheet for more information on available product variants. For voltages exceeding 480 V L-L, a voltage transformer must be used.
- Fuse for neutral terminal is required if the source neutral connection is not grounded.
- Clearly label the device's disconnect circuit mechanism and install it within easy reach of the operator.
- The fuses / circuit breakers must be rated for the installation voltage and sized for the available fault current.
- The current transformers used by the EpiSensor ZEM range of electricity meters are protected, and do not require shorting terminal blocks.
- If Voltage Transformers are used, the power consumption values must be adjusted in higher level software accordingly.
- By default, the 3-phase mains reference voltage cable will be 2 metres in length.
- Each ZEM meter is individually calibrated and the current transformer cables should not be extended or interchanged..