Leviton Solid Core Current Transformers

Cat. Nos. CDA01, CDA02

PK-A3225-10-02-5A

WARNINGS AND CAUTIONS

- **TO AVOID FIRE, SHOCK, OR DEATH; DISCONNECT POWER** to all related circuits from power distribution system (or service) of building before installing or servicing current transformers!
- **TO AVOID OVERHEATING,** DO NOT install a current transformer in an area where it would block ventilation openings.
- Power must be de-energized and the circuit opened in order to slip the CT over the power line.
- To be installed and/or used in accordance with appropriate electrical codes and regulations.
- If you are unsure about any part of these instructions, consult an electrician.
- Current transformers may not be installed in equipment where they exceed 75 percent of the wiring space of any cross-sectional area within the equipment.
- Installation is intended for Overvoltage Category IV or Service Entrance.
- DO NOT install a current transformer in area of breaker arc venting.
- Current transformers are not suitable for Class 2 wiring methods and are not intended for connection to Class 2 equipment.
- Secure current transformer and route conductors so that they do not directly contact live terminals or bus.
- Current transformer lead lengths may be extended up to 500 feet, although doing so may adversely affect the accuracy of meter readings. When extending lead lengths, use twisted wires matching the gauge of the CT's attached leads and follow NEC and local electrical codes.
- If this equipment is used in a manner not specified by Leviton, the protection provided by the equipment may be impaired.
- For indoor use only.

NOTE: For complete installation instructions specific to the meter being installed, please refer to the meter installation guide.

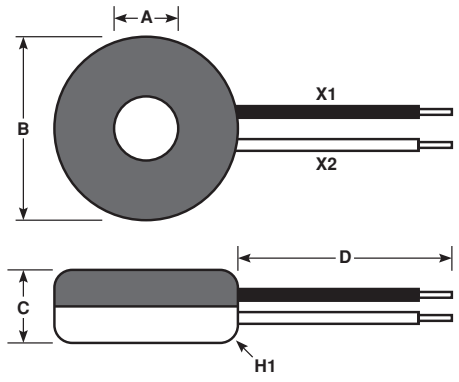
INSTALLATION INSTRUCTIONS — ENGLISH

DESCRIPTION

Leviton solid core CTs are accurate, cost effective and less susceptible to damage during installation. Solid core CTs slip over power lines to measure the electrical current flowing through the line. The CT "secondary" wires connect to the meter, facilitating power and energy calculations.

Specifications	
Operating ambient temperature rating	-30 to 55°C
Relative humidity rating	≤ 90%
Maximum Rated Voltage	600V
Maximum Rated Current	
100:0.1A CTs	Primary: 100A Secondary: 110mA (0.11A)
200:0.1A CTs	Primary: 200A Secondary: 110mA (0.11A)
Pollution Degree 2	Normally only non-conductive pollution occurs. Occasionally, however, a temporary conductivity caused by condensation must be expected.

Fig. 1



Dimensions / Dimensions / *Dimensiones*				
CT Size/Rapport/*Tamaño*	**A**	**B**	**C**	**D**
100:0.1A	0.72" (18.3mm)	2.06" (52.3mm)	0.82" (20.8mm)	48.00" (1219mm)
200:0.1A				

INSTALLATION

WARNING: TO AVOID FIRE, SHOCK, OR DEATH; DISCONNECT POWER to all related circuits from power distribution system (or service) of building before installing or servicing current transformers!

1. Disconnect the conductor to be measured.
2. Insert the conductor through the center of the current transformer (CT). The white case half identifies the H1 side, and should be oriented towards the incoming LINE **(Fig. 2)**.
   NOTE: Ensure that the maximum current of the conductor does not exceed the CT's rating.
3. Repeat Steps 1 and 2 if you are using more than one CT.
4. Connect the white wire on the CT to the positive terminal (+) on the measuring device.
5. Connect the colored wire (black, blue, red) on the CT to the negative (-) terminal on the measuring device.
6. Reconnect the conductor and restore power.
7. You are now ready to begin your monitoring session.

Fig. 2