

## AcuCT R Series CT Installation Guide

Included with AcuCT R Series CT:

- 3.5 ft leads
- 3\* screws and screw caps

**Warning:** *Disconnect power supply before making electrical connections.*

**Warning:** *Current Transformers (CTs) should be installed by trained electrician or technician.*

**Warning:** *The secondary circuit of a CT should not be opened when current is flowing through the primary circuit.*

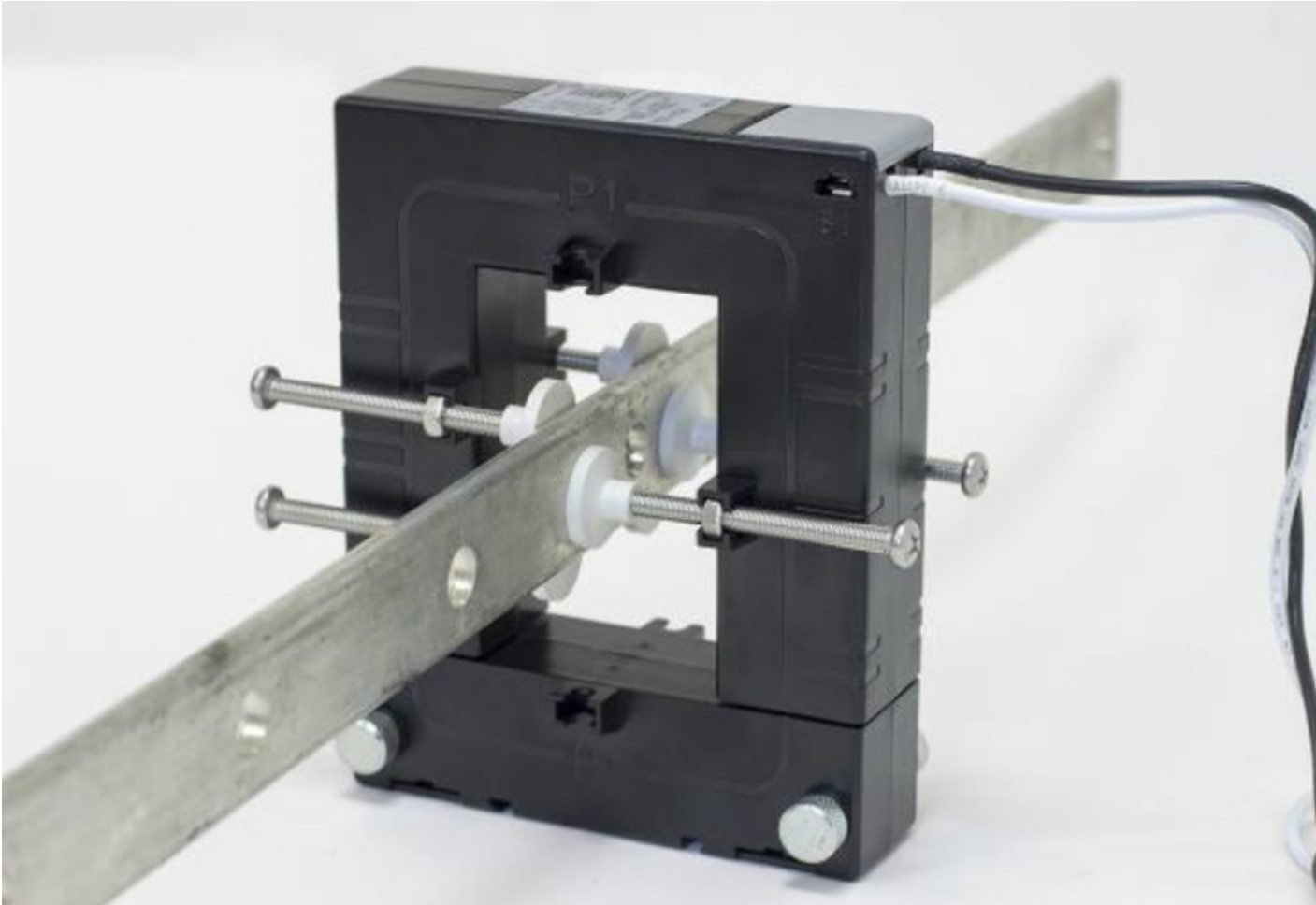
Installation Steps:

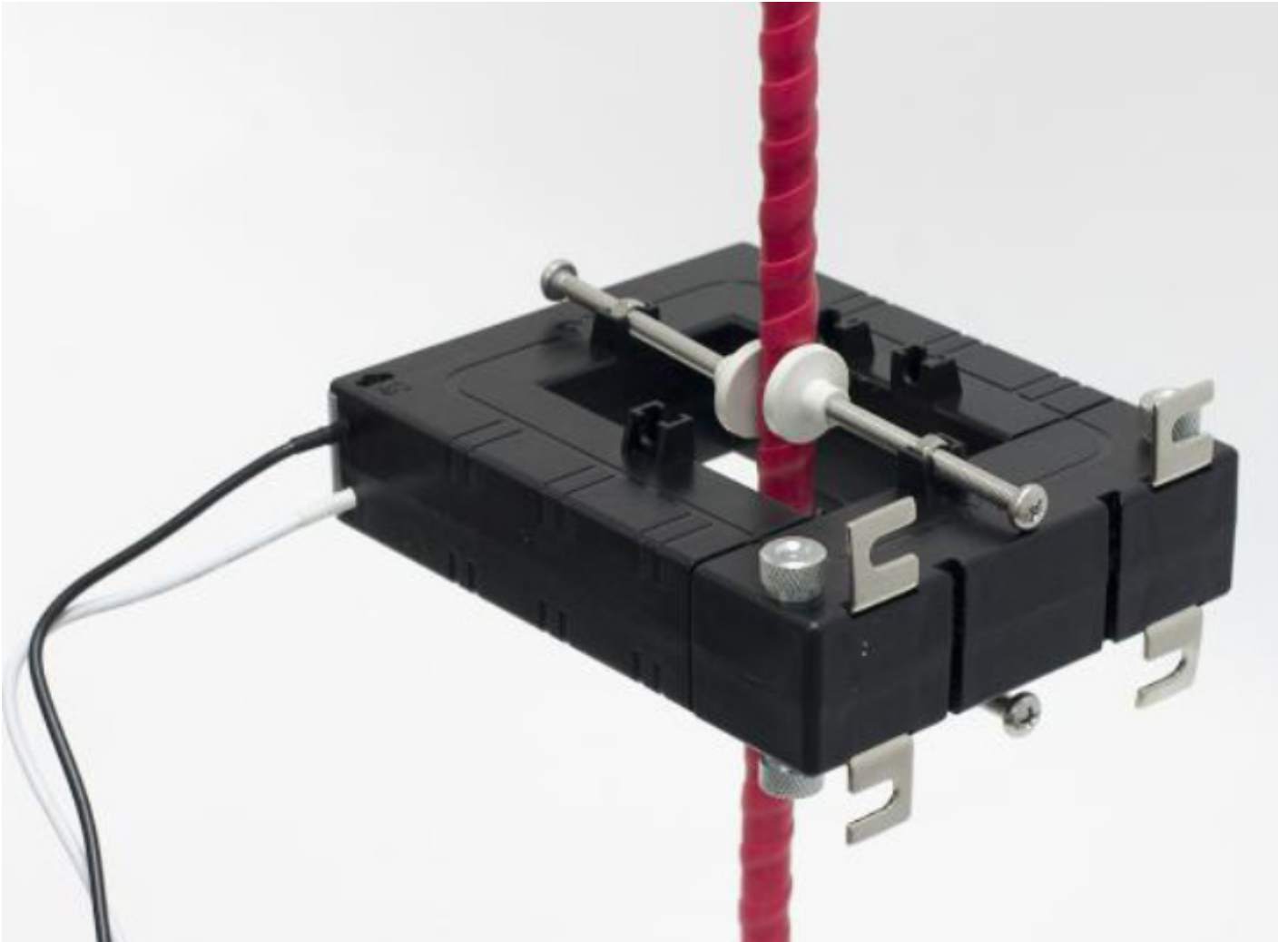
- Press the two buttons to open the CT hinge.
- Install the CT around the conductor to be measured. Verify the CT is installed with the CT label reading 'P1' or 'S1' facing towards the wire direction of the source.
- Similarly verify that the CT is installed with the CT label reading 'P2' or 'S2' facing towards the wire direction of the load.
- The CT direction is also indicated by the arrow on the label of the CT. The arrow indicates the direction of the current flow.
- Close the CT hinge, a 'clicking' or 'snapping' noise will indicate that the CT is closed properly.
- Mount CT using mounting clips.
- Connect leads to the CT terminals
- Connect the CT lead that is connected on the 'S1' side of the CT to the 'I11' terminal on the Acuvim meter or the (+) terminal if using another meter.
- Connect the CT lead that is connected on the 'S2' side of the CT to the 'I12' terminal of the Acuvim meter or the (-) terminal if using another meter.

Repeat steps if using more than one CT.

Mounting on a Busbar or Cable:

- Place the screw caps at the end of the screws
- Position the washer on the screw to the desired position on the screw
- Insert washer into the small opening located near the window of the CT so that the screw cap is touching busbar/cable.
- Ensure that the screw caps are firmly securing the busbar and cable.





For mounting the CT on a surface, the following should be applied:

- Place the mounting clips in the slots located by the removable top portion.
- Ensure mounting clips are securely placed in the slots.
- Using four screws (not included), place the screws through the mounting clips and tighten to attach to surface.