

SPLIT CORE CURRENT TRANSFORMER, WATTRouter COMPATIBLE

USER MANUAL

Importer: SOLAR controls s.r.o.

PURPOSE

The current transformer is designed for WATTrouter installations in places where it would be difficult to place the original current sensing module, or where it is not possible or easy to disconnect the primary phase wires.

CONNECTION

The current transformer can be installed in 2 ways:

1. By simply plugging it onto the primary phase wire.
2. By opening the transformer and clipping it around the primary phase wire. You can open the transformer by pushing the two lateral plastic locks.



After clipping the transformer around the phase conductor, be sure to close it properly and tightly, otherwise the measurement will not have the required accuracy!

Connect the secondary winding outlets to the common terminal (GND terminal for models WATTrouter M & ECO) and the respective current sense terminal I_Lx (eg. I_L1). Orientation can be arbitrary chosen, you can set the direction of measured currents as usual in the WATTconfig software. The current transformer has protection when secondary circuit is left open to avoid transformer damage and/or high voltage on its outlets. However, we recommend that you either remove the transformer or short circuit both outlets when removing the WATTrouter controller.

SPECIFICATION

Parameter	Value, note
Maximum primary current (main circuit breaker value)	50 A
Transfer ratio	1000:1
Accuracy class	1.0
Open secondary circuit protection	Yes
Profile	Cylindrical
Outside diameter	43 mm
Hole diameter	13.5 mm (max. wire diameter ca 12 mm)
Height	20 mm
Length of secondary winding outlets	0.5 m
Diameter of secondary winding outlets	0.5 mm