EN

Installation guide

Tibber Pulse Clamps

March 2024 | Version 1.1 | Document number: 2024-2-EN

1. Important safety instructions

Read these instructions carefully and keep them for future reference. If this product is passed to a third party, then these instructions must be included.

DANGER Risk of injury or death!
This product should be installed, maintained and operated by qualified electricians only.

For full safety instructions, see the Tibber Pulse CT user manual.

2. Intended use

- This product is intended for harnessing cables and measuring currents flowing through wires.
- This product is compatible with the Pulse CT.
- The product should be attached to one cable each; L1, L2, L3 for 3-phase systems, L1 only for 1-phase systems.
- This product is intended to be used in dry indoor areas only.

3. Before first use

DANGER Risk of suffocation!
Keep any packaging materials away from children – these materials are a potential source of danger, e.g. suffocation.

- Check the product for transport damages.
- Remove all the packing materials.
- Before connecting the product to the supply voltage, check if the supply voltage and current rating correspond with the power supply details shown on the product rating label.

4. Installation

DANGER Risk of serious injury or death!
Before installing the product, ensure that the power is off.

DANGER Risk of serious injury or death!
This product should be installed, maintained and operated by qualified electricians only.

1. Turn off the power in the house; either on the intake or the main fuse, as long as the power is off at the point of installation.
2. If needed, remove the protective cover around the meter and identify the cables you want to monitor the current(s) of.
3. Locate the cables going out from the utility meter.

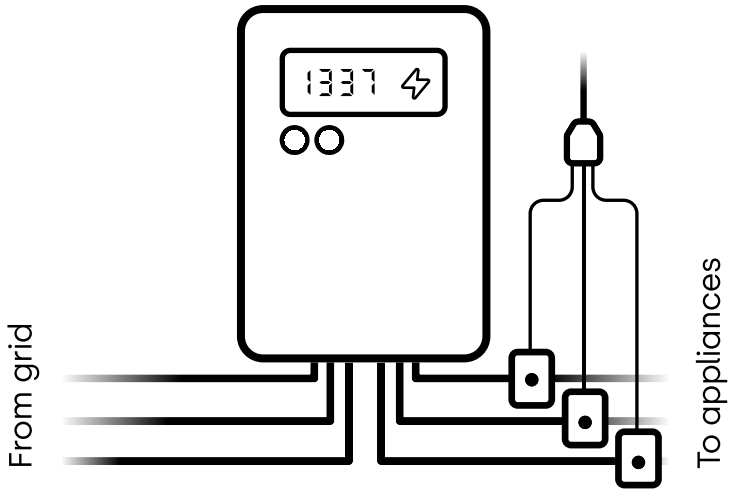


Fig 1. Connection diagram for 3-phase system

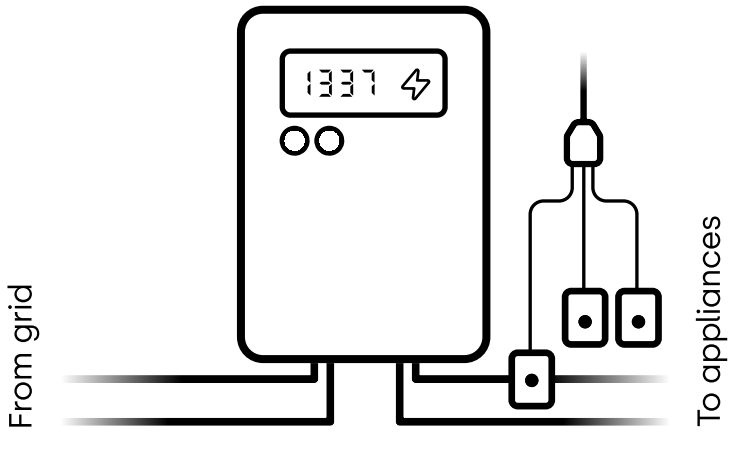


Fig 2. Connection diagram for 1-phase system

4. Open the locking clip on the magnetic clamps and identify the arrow inside. All arrows must point in the same direction on a 3-phase system; pointing from the grid into the home.
5. If you have a 1-phase system, attach the clamp marked L1 to the cable and leave L2 and L3 unconnected. If you have a 3-phase system, attach clamps L1, L2 and L3 to the corresponding cables. See figures 1 and 2.

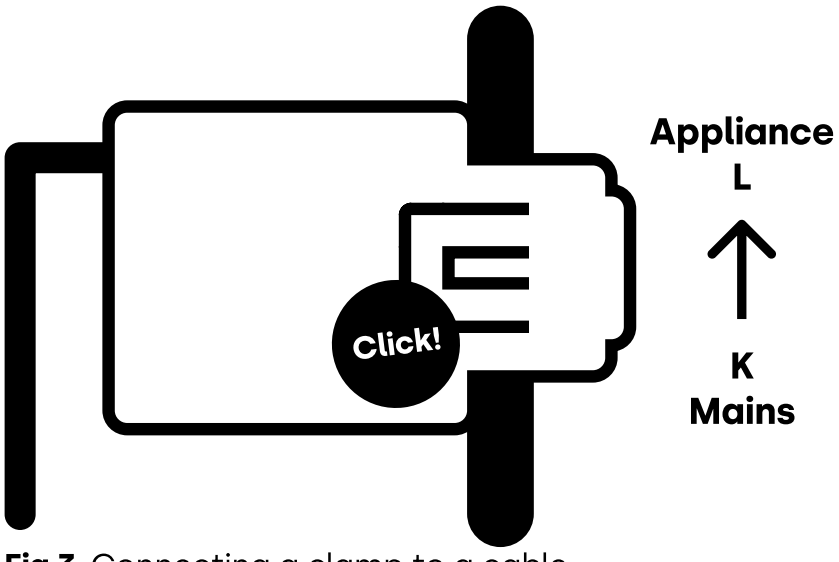


Fig 3. Connecting a clamp to a cable

6. Lock the clips, and make sure the clamp is securely fixed. You should hear a *click!*
7. Arrange the clamp cable so it leads out through an open slot in the protective cover, and put the cover back on.
8. You may now turn on the main fuse again. The clamp cable is now ready to be connected to a Pulse CT.
9. We recommend checking the currents in the Tibber app to verify if they're properly read (positive numbers for consumption; negative numbers for production), e.g. by switching the devices that the Pulse CT is measuring on and off. If the currents are not as expected, check point 4-6 again.

5. Technical data

Pulse Clamps	
Device name:	Clamps
Model:	TBF01-C01
Max. cable diameter	9 mm
Supported measurements:	1-phase, 3-phase
Output voltage:	40 mV/A
Winding ratio:	1:3000
Ingress protection:	IP40
Dimensions (HxWxD):	40 x 26 x 23 mm
Cable length:	130 cm
Weight:	140 g
Max. current:	80 A
Clamp opening diameter:	10 +/- 0.3 mm
Directives:	2014/35/EU, 2014/30/EU, 2014/53/EU
Approvals:	CE

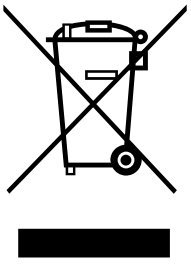
6. Simplified declaration of conformity

Hereby Tibber AS declares that the radio equipment type ITEM No. Pulse CT including the Pulse Clamps is in compliance with Directive 2014/53/ EU and 2014/30/EU.

The full text of the EU declaration of conformity is available at https://pulse.tibber.com/pulse_ct_conformity

7. Disposal

7.1 Disposal of electronic components



The Waste Electrical and Electronic Equipment (WEEE) Directive aims to minimize the impact of electrical and electronic goods on the environment, by increasing re-use and recycling and by reducing the amount of WEEE going to landfill.

The symbol on this product or its packaging signifies that this product must be disposed separately from ordinary household wastes at its end of life. Be aware that it's your responsibility to dispose of electronic equipment at recycling centers in order to conserve natural resources. Each country should have its collection centers for electrical and electronic equipment recycling. For information about your recycling drop off area, please contact your related electrical and electronic equipment waste management authority, your local city office, or your household waste disposal service.

7.2 Disposal of packaging waste

The packaging is made of environmentally friendly materials, which you can dispose of at your local recycling facility. By properly disposing of the packaging and packaging waste, you help avoid possible environmental and public health hazards. Nature will be thankful!

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