

Installation manual

CheckWatt CM10 and Elecnova inverter

ECO-E100WX

ECO-E215WS

ECO-E233LS

Updated 2024-10-28

Installation of the CheckWatt CM10 and Elecnova hybrid inverters is done according to the respective installation manuals. The following documentation specifically describes how communication is established between CheckWatt CM10 and Elecnova Inverter.

Communication between CM10 and Elecnova hybrid inverters is done with Modbus RTU via twisted pair copper cable RS485.

Maximum number of inverters per CM10: 1

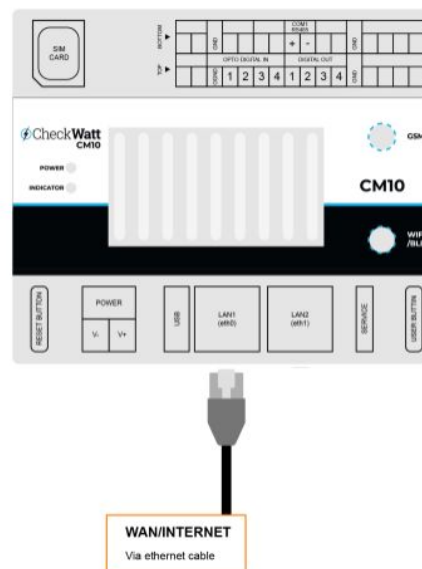


Installation: Internet connection and communication

Connect the WAN (Ethernet cable) between the property's router* and **LAN 1 (eth0)** on the CM10 for internet connection to the CM10.

*or other network equipment such as PLC-modem, wifi-repeater or network switch.

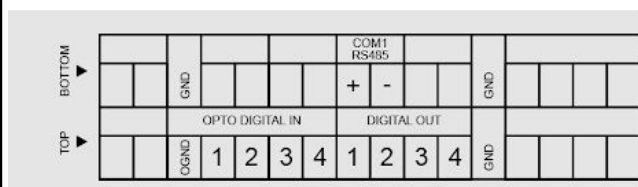
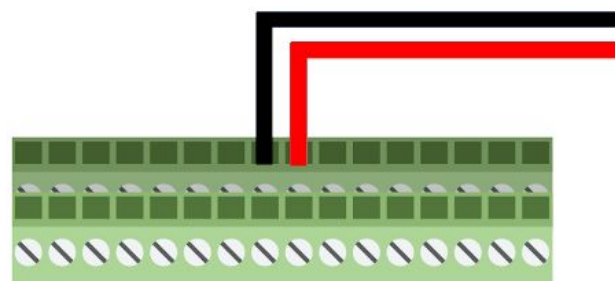
NOTE! LAN 1 and LAN 2 must not be mixed up as they have different functions.



Connect cable A (black in the image) to the rear row terminal #8 marked **COM+**.

Connect cable B (red in the image) to the back row terminal #9 marked **COM -**.

NOTE: Make sure not to mix up the polarity of these wires as this will result in the communication failure.



These two cables must then be connected to the Elecnova RS485 interface. The RS485 port looks different for ECO-E100WX, ECO-E215WS and ECO-E233LS. On the next page you will find separate instructions for each model.

For ECO-E100WX:

Cable A (black in picture)
connects to **pin 13** (485A)

Cabel B (red in picture)
connects to **pin 14** (485B)

The port is located on the
left side of the controller box
panel.

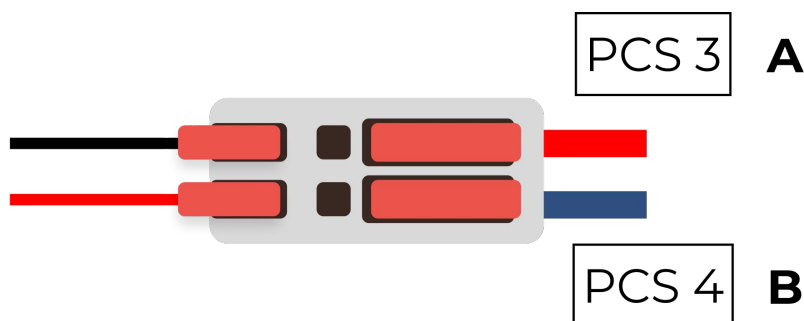


For ECO-E215WS:

Cable A (black in picture)
connects to **PCS 3** (485A)

Cabel B (red in picture)
connects to **PCS 4** (485B)

The port is on the left side
of the cabinet's back door
side



For ECO-E233LS:

Cable A (black in picture)
connects to **pin 7** (485A)

Cabel B (red in picture)
connects to **pin 8** (485B)

The port is located on the right
side of the PCS box panel

