IDETRON
ENERGY MANAGEMENT

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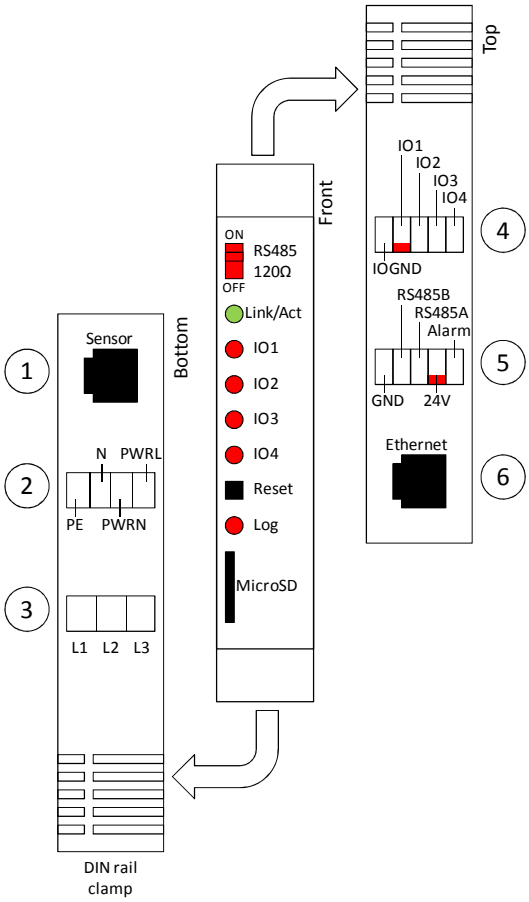
pSens3

Quick Installation Guide

Connection
Coils
Communication

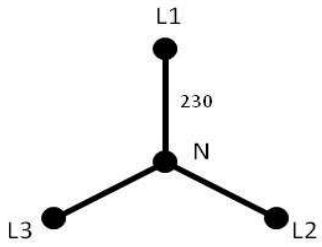
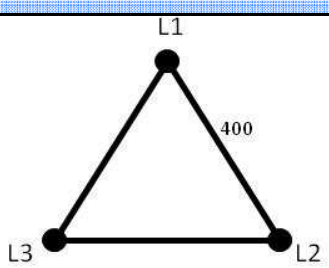
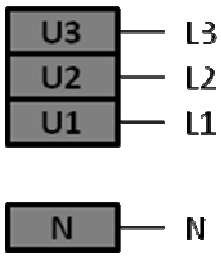
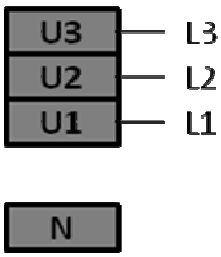
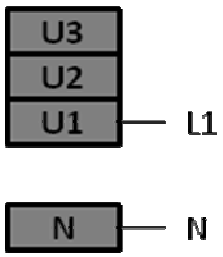
1. Connections



The pSens3 can be powered by either a
An AC supply (connector 2 pins PWRL+PWRN)
The AC supply requires 230VAC.
or
12-28V DC supply (connector 5 pins GND+24V).

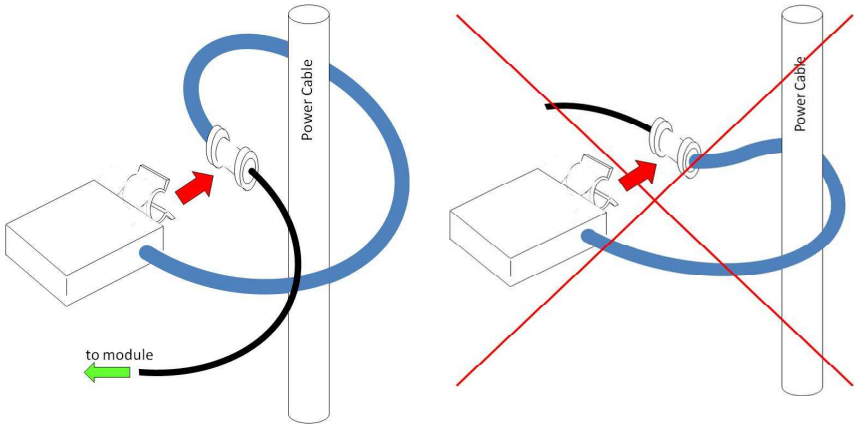
The next figure shows the connections for a supply net with 4 lines.

The power meter can be used with different distribution systems. The required connections for U1, U2, U3 and N are shown in the following table.

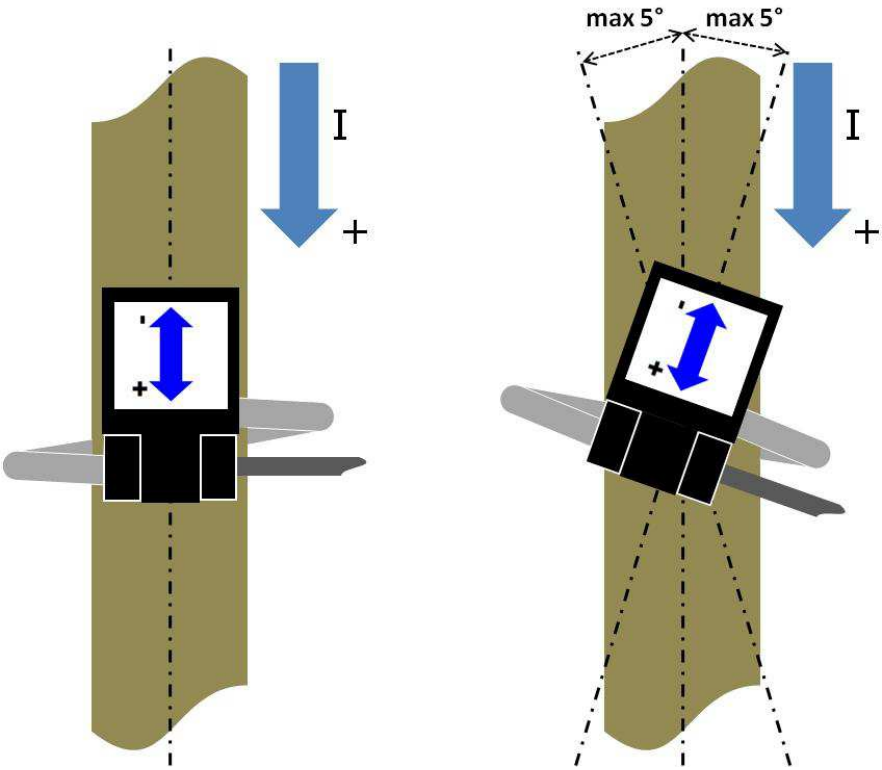
Three-phase with neutral	Three-phase without neutral	Single-phase
		
		

2. Coils

To install a current sensor, wrap the measurement coil round the single phase power cable. Click the free end (with box) into the clamp holder on the coil cable. The coil has to make a **closed** loop around the power cable.

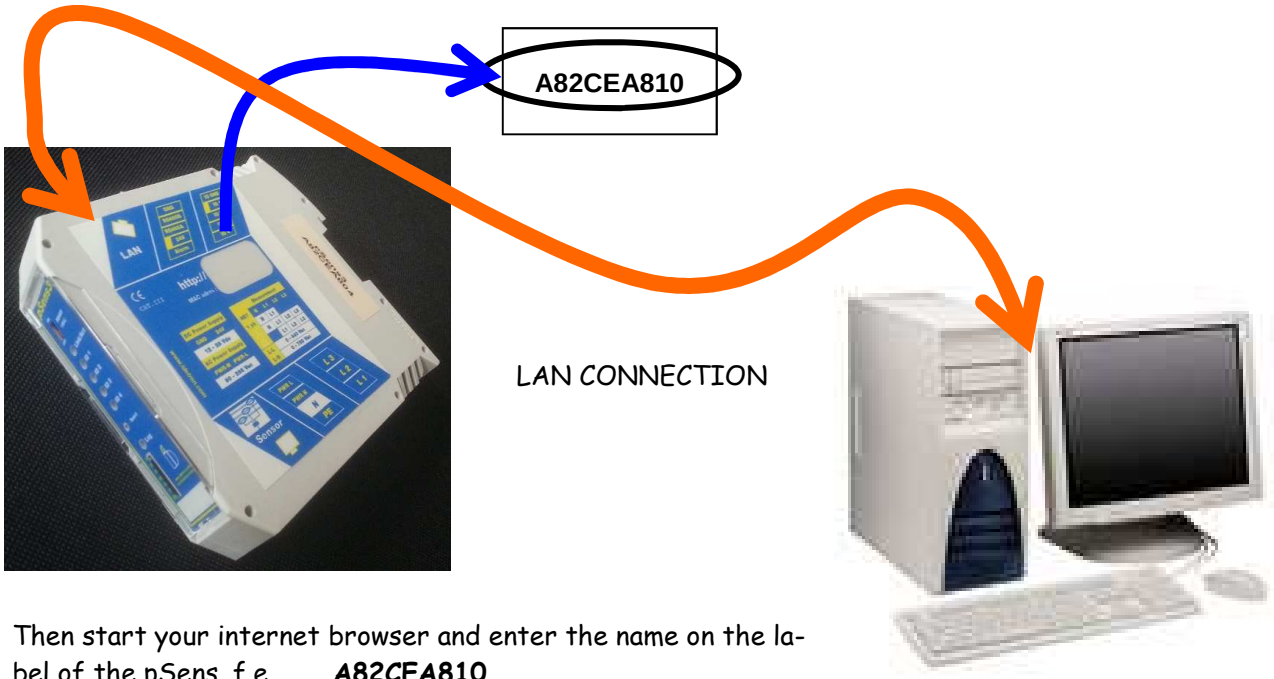


The sensor has to be properly aligned to the cable, as shown in the following figure.

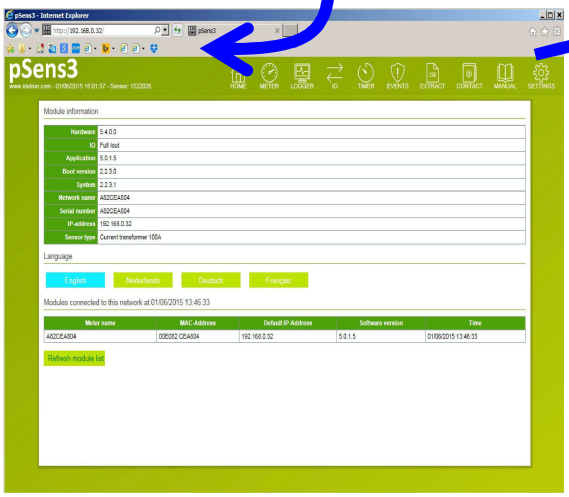


3. Communication

Connect the system to the network or direct to your PC by means of a network cable with RJ45 connectors.



Then start your internet browser and enter the name on the label of the pSens. f.e. **A82CEA810**



Click on manual for more detailed information, or go to HTTP://www.idetron.com/manuals/ManualpSens3EN.pdf (case sensitive)

The settingsmenu is password protected. Factory settings are :
Username : user
Password : pass

IMPORTANT :

If you connect directly to you PC or Laptop (without a switch or hub, and thus no DHCP server), it is recommended to first make the connection before you startup the PC.
If no connection can be made on the name of the pSens2 (A82CE…), try to connect on IP address 169.254.1.1.
For further details on this matter, please check the manual.