

Elios4you

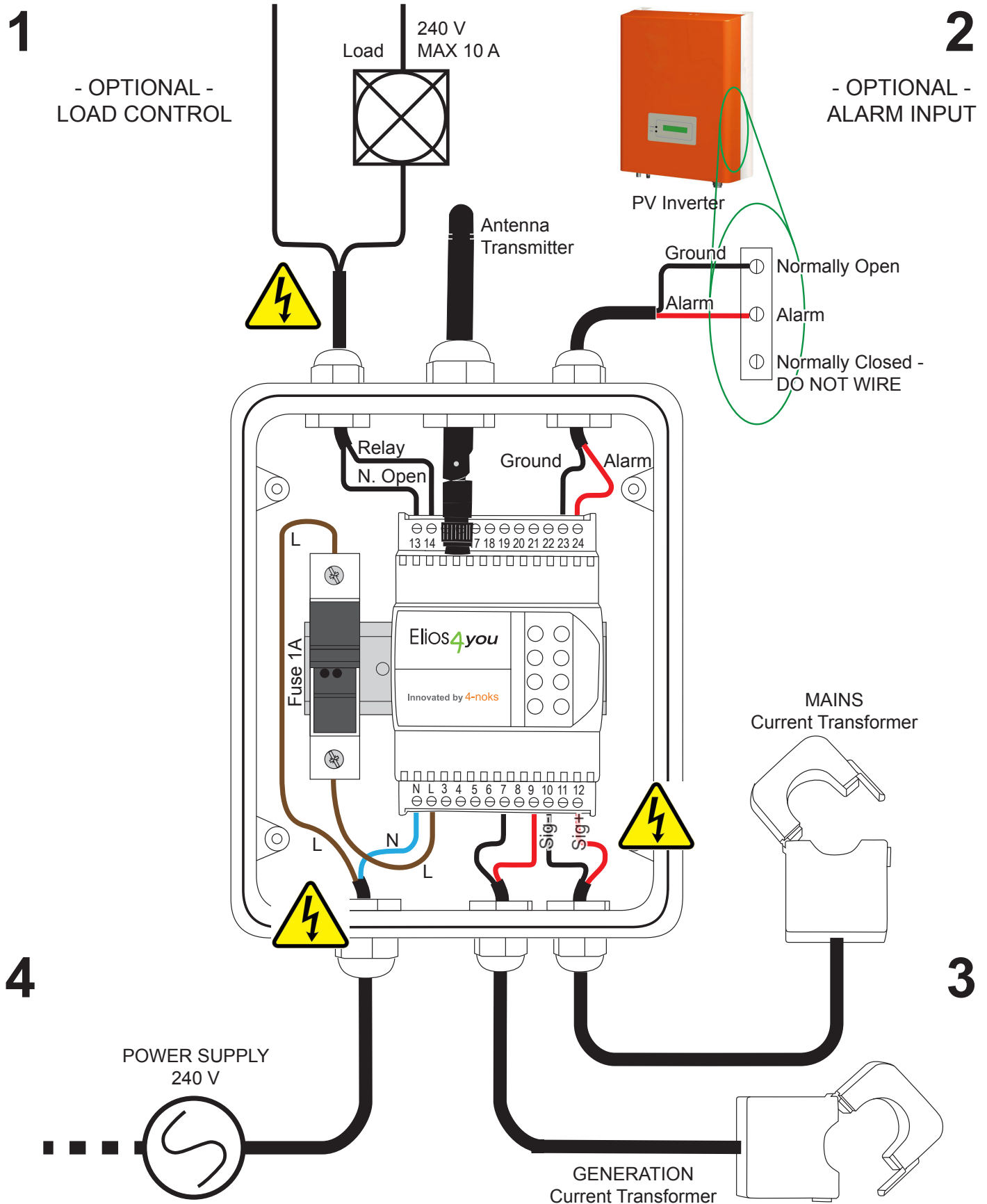
- wiring the enclosure -

1

- OPTIONAL -
LOAD CONTROL

2

- OPTIONAL -
ALARM INPUT



4

POWER SUPPLY
240 V

3

MAINS
Current Transformer

GENERATION
Current Transformer

1 - On-board Relay (optional)

- Take advantage of the built-in relay to command a load (domestic appliance) and switch it on and off according to the amount of generated power or to timer settings.
- Connect the load to the phase wire and then to the built-in relay.
- Relay is Normally Open. Refer to clamps 23 and 24.

PAY ATTENTION WHILE WIRING THE RELAY AND USE ALL THE NECESSARY CAUTIONS

2 - External Alarms (optional)

- Connect up to 2 external Alarms and display them on the Elios4you APP / 4Clouds Dashboard (optional). Service anomalies that can be detected include: inverter connected by clean contact (IF AVAILABLE - check out the inverter technical specs), thermal magnetic or differential circuit breaker.
- Connect Ground wire to Normally Open contact and Alarm wire to the Alarm contact (check the inverter instructions for the correct terminology). If available, do not wire the Normally Closed contact.

3 - Current Transformers

- Installation of Elios4you might include the installation of a protection enclosure.
- Disconnect both the CTs unscrewing all the related terminals (7 to 12).
- Wire the CTs cables, making sure that terminals 7 - 9 are used only for “Generated Energy” clamp, while terminals 10 - 12 are used only for “Mains Energy” clamp.
- Take note that terminals 8 and 11 are to be used only in case the CTs have 3 wires instead of 2.
- Only in this event, terminals 8 and 11 will be wired and will host the “shield” cable (usually white).

PAY ATTENTION WHILE WIRING THE CTs AND USE ALL THE NECESSARY CAUTIONS

4 - Power Supply

Make sure Elios4you device is NOT supplied power when wiring.

- Connect the N cable (blue) to clamp number 1.
- Connect the L cable (brown) to clamp number 2.

Once all the above operations have been completed, power can be supplied to the Elios4you device
PAY ATTENTION WHILE WIRING THE POWER SUPPLY AND USE ALL THE NECESSARY CAUTIONS

Tab 1 - Elios4you terminals

1	Neutral (Power supply input)	13	Normally Open (Relay)
2	L phase (Power supply input)	14	Common (Relay)
3	Do not wire	15	Do not wire
4	Do not wire	16	IN (+10V)
5	Do not wire	17	OUT (0-10V)
6	Do not wire	18	GND (0-10V)
7	Sig - (Generation CT)	19	Do not wire
8	Shield = optional (Generation CT)	20	Do not wire
9	Sig + (Generation CT)	21	GND (Alarm 2)
10	Sig - (Mains CT)	22	Alarm (Alarm 2)
11	Shield = optional (Mains CT)	23	GND (Alarm 1)
12	Sig + (Mains CT)	24	Alarm (Alarm 1)