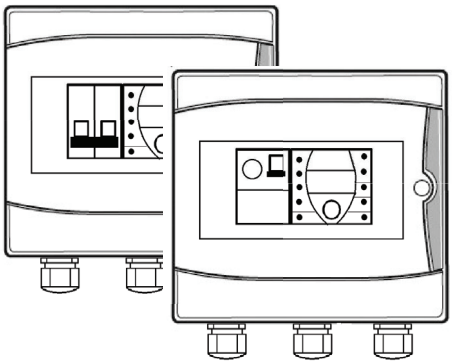
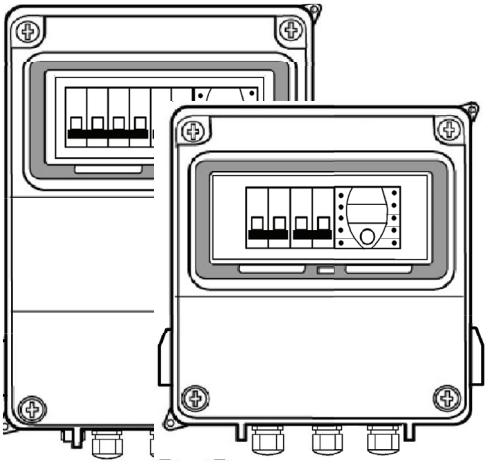
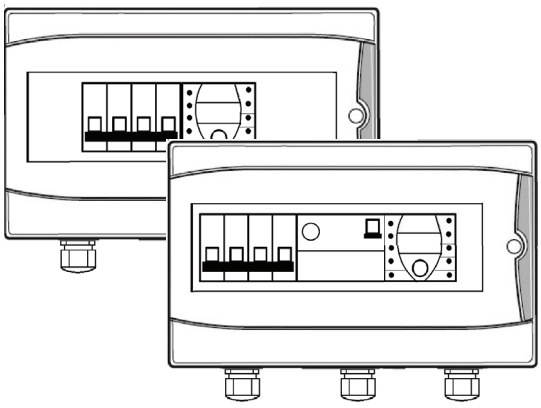


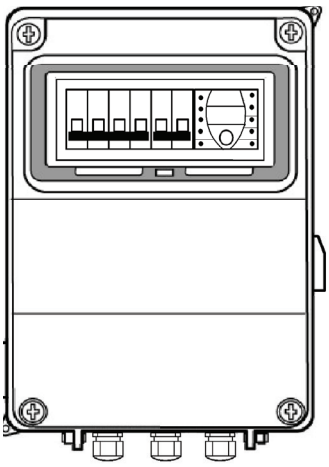
Single-phase
ECO-POOL-230
ECO-POOL-B-230
ECO-POOL-230-D
ECO-POOL-B-230-D
-B: Bluetooth, -D: with RCCB



Single-phase with 100VA / 300VA transformer
ECO-POOL-230-T100
ECO-POOL-B-230-T100
ECO-POOL-230-T300
ECO-POOL-B-230-T300
-B: Bluetooth



Three-phase
ECO-POOL-400
ECO-POOL-B-400
ECO-POOL-400-D
ECO-POOL-B-400-D
-B: Bluetooth, -D: with RCCB

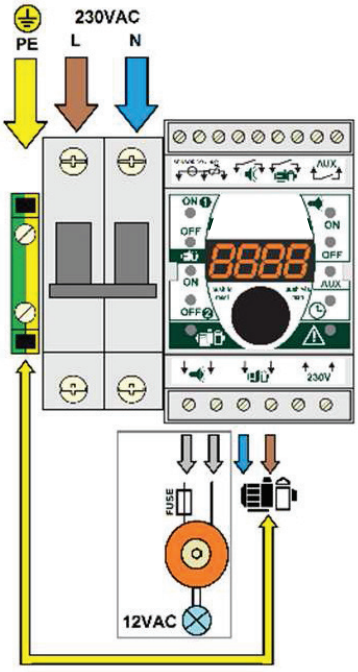


Three-phase with 100VA / 300VA transformer
ECO-POOL-400-T100
ECO-POOL-B-400-T100
ECO-POOL-400-T300
ECO-POOL-B-400-T300
-B: Bluetooth

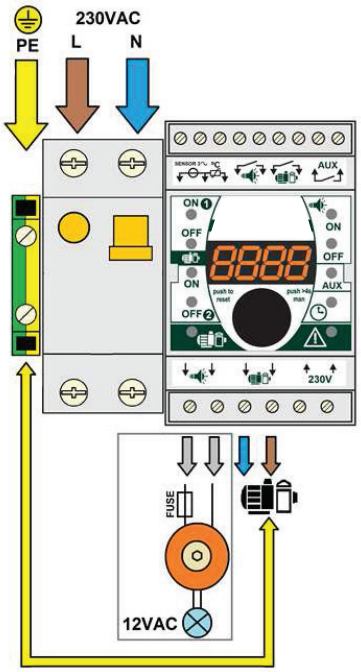
Basic connection diagrams

Single-phase

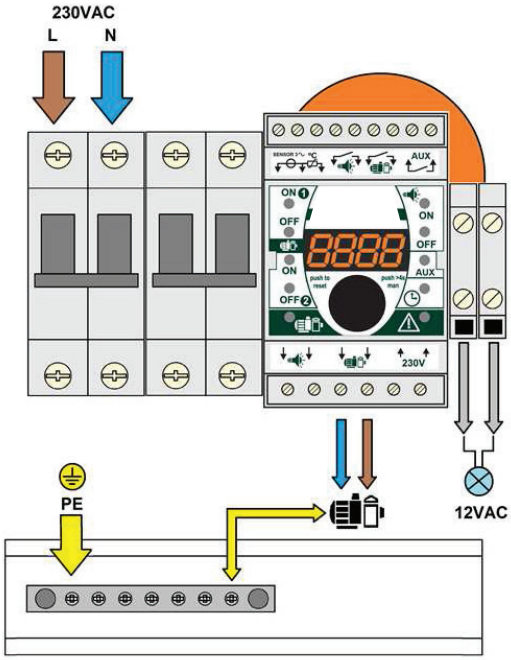
ECO-POOL 230



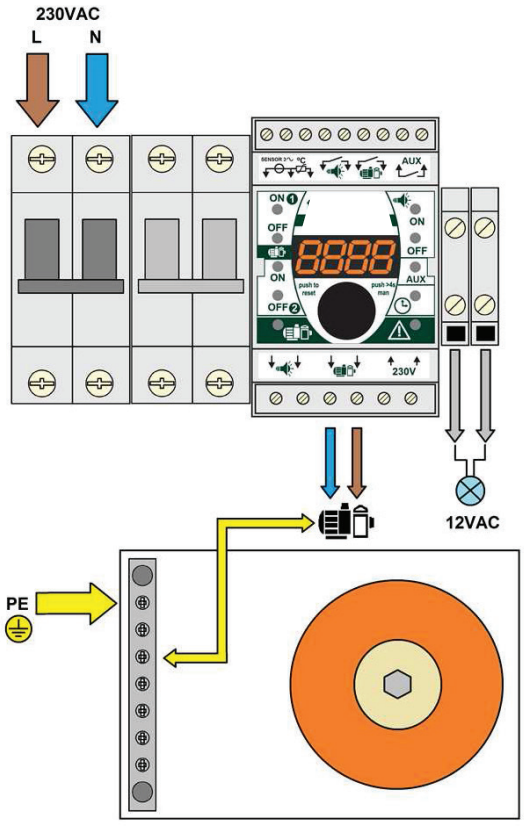
ECO-POOL 230-D



ECO-POOL 230-T100

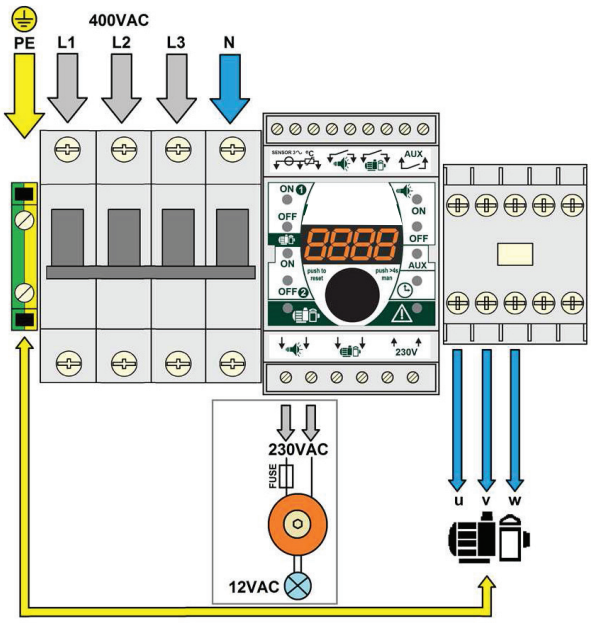


ECO-POOL 230-T300

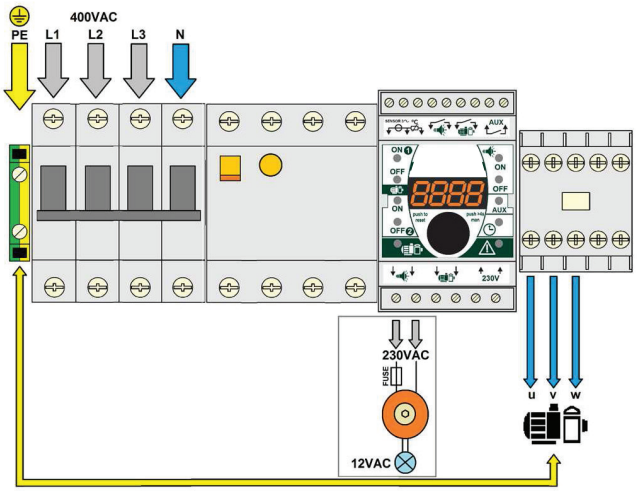


Three-phase

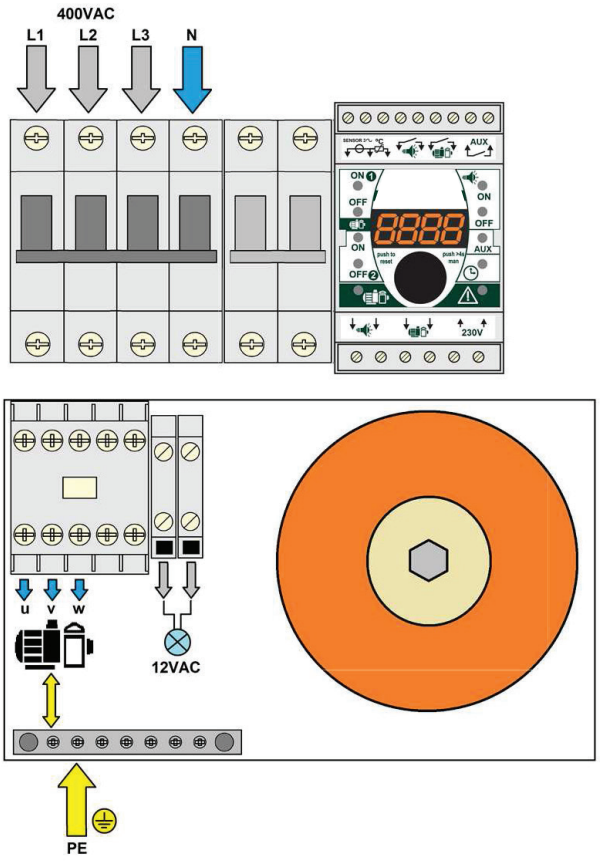
ECO-POOL 400



ECO-POOL 400-D



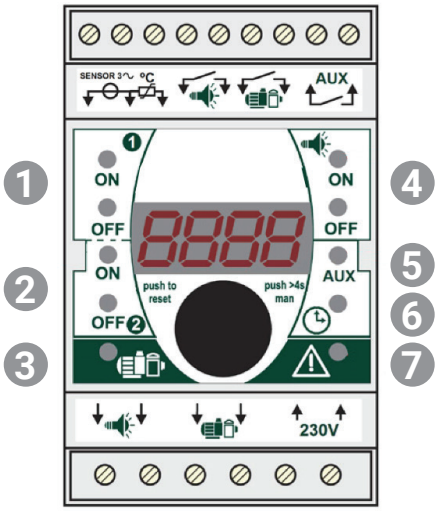
ECO-POOL 400-T100/T300



Control module

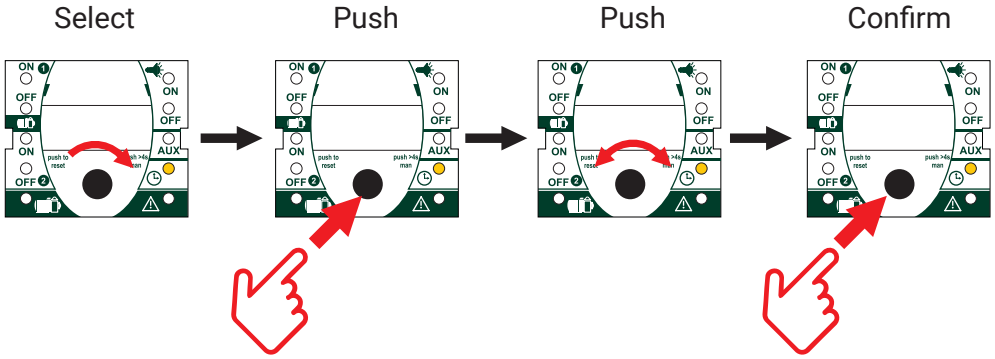
Pilot lights:

1. Filtration program 1.
2. Filtration program 2.
3. Filtration ON.
4. Lighting program.
5. Auxiliary relay.
6. Current time.
7. Alarm / calibration.



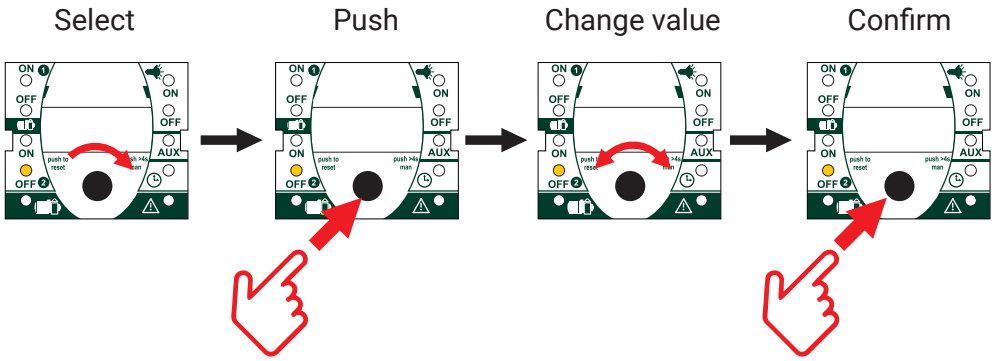
Quick start-up (2 steps)

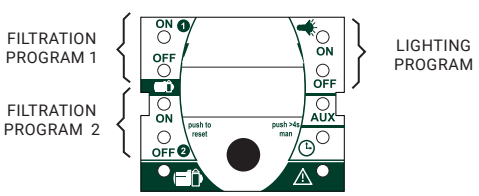
1 Current time setting



In models with Bluetooth, you do not need this step. Time is matched to the smartphone / tablet.

2 Filtration and lighting programming



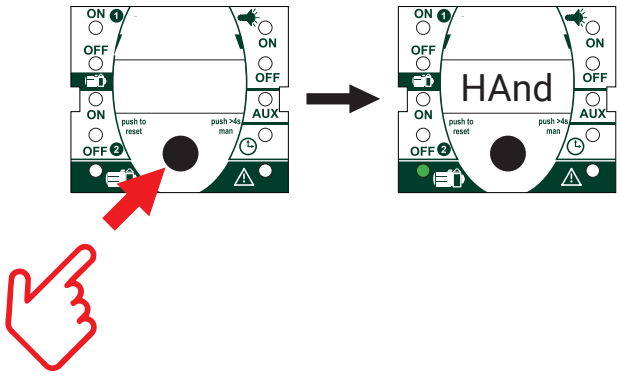


To cancel a program, select the same time for ON and OFF.

Manual filtration & lighting control

Manual start

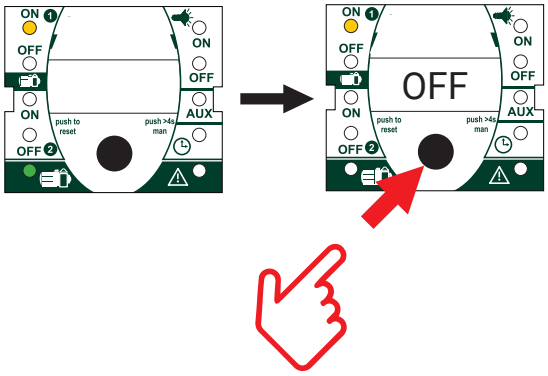
Push 4”



Push over 4 seconds to start the swimming-pool pump.
It will stop when the following scheduled filtration finishes.

Manual stop

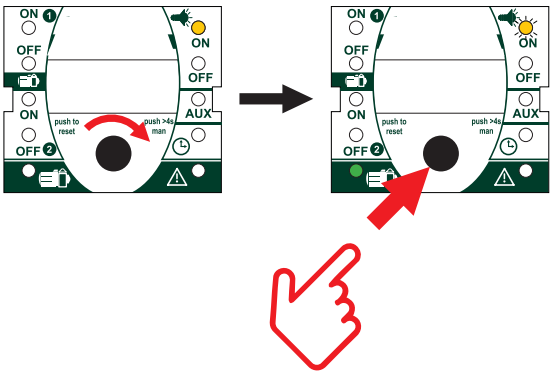
Push 4”



Push to stop the swimming-pool pump.
It will automatically start at the beginning of the following scheduled filtration.

Manual lighting switch on

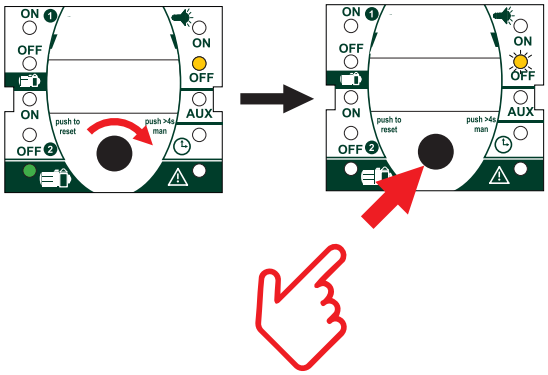
Push 4”



Push over 4 seconds to manually switch lighting on.

Manual lighting switch off

Push 4”



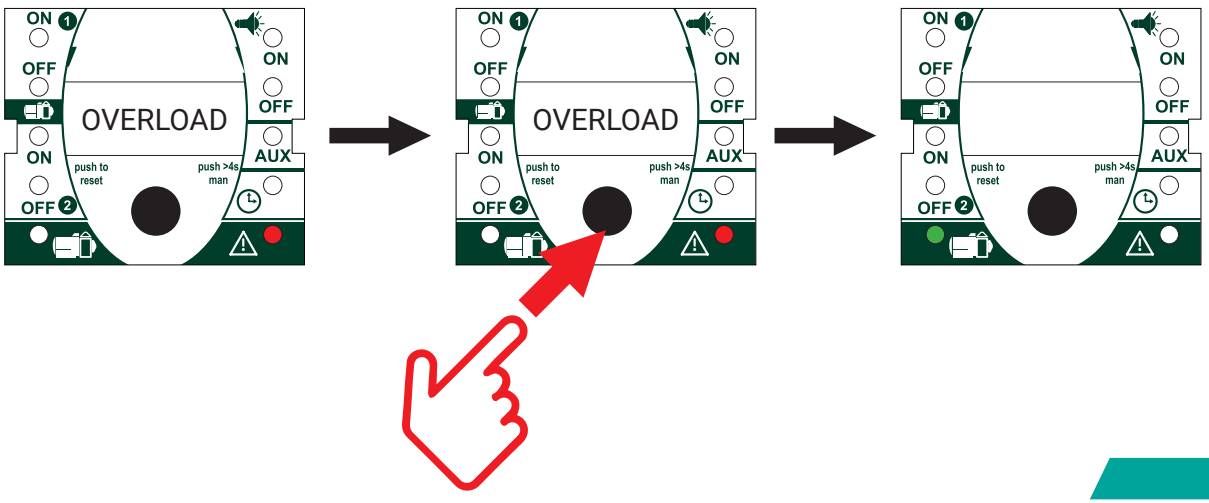
Push over 4 seconds to switch lighting off.

Reset

Reset

Resets any failure of the swimming-pool pump.

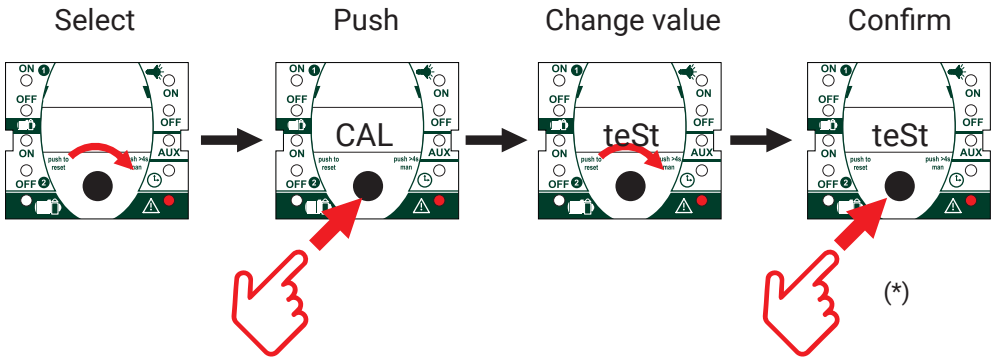
Push

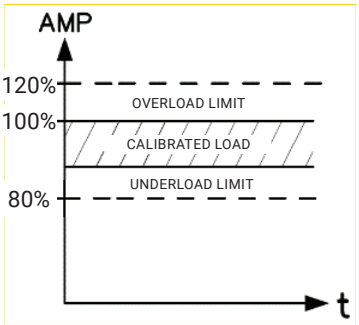


Pump protection auto calibration test

The device sets itself at the 1st start-up.

To perform an automatic calibration:





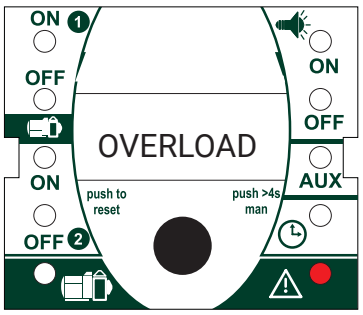
(*) Once the value is confirmed, the pump sets itself during the first 8 running minutes.

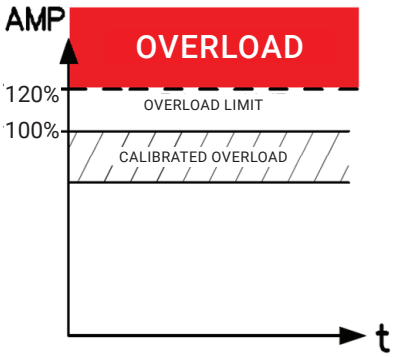
See Annex 1 to perform the auto calibration test in pumps with variable frequency drives, or to cancel the underload protection.

Overload

For a proper protection of the swimming-pool pump, it is essential to have performed the auto calibration test.

In case of overload the device performs up to three start attempts.



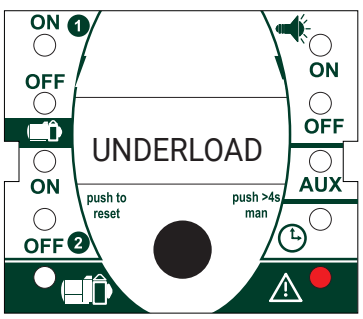


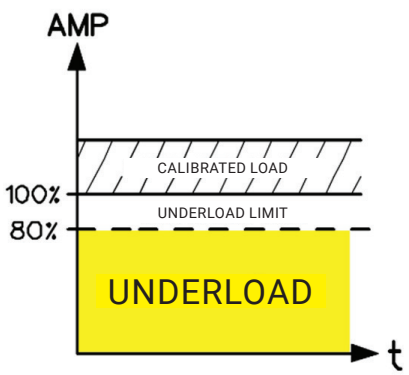
Possible causes:

- Pump not calibrated.
- Pump blocked.
- Supply phase failure (only three-phase pumps).

Underload

For a proper protection of the swimming-pool pump, it is essential to have performed the auto calibration test.





Possible causes:

- Pump not calibrated.
- Clogged sand filter.
- Automatic cleaning robot floating.
- Water level below the skimmers.
- Dry running.
- Closed valve.
- Supply phase failure (only three-phase pumps).

To cancel the underload protection, set the pump as with variable speed drive (see Annex 1).

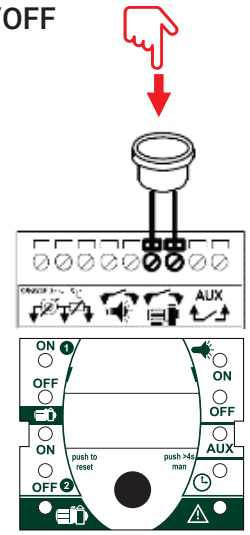
External control

Filtration ON/OFF

Push pump ON/OFF.

It stops when the following scheduled filtration finishes.

Automatic start at the beginning of the following scheduled filtration.

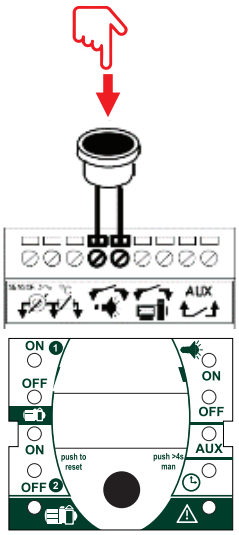


Lighting ON/OFF

Push lighting ON/OFF.

It lights off at the end of the lighting program.

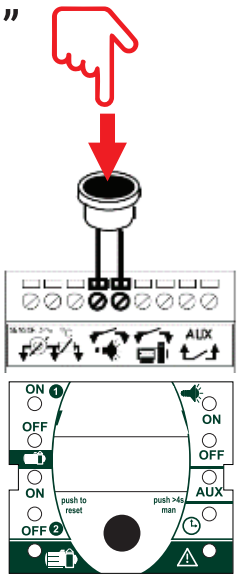
It lights on at the beginning of the lighting program.



Scene change function (RGB)

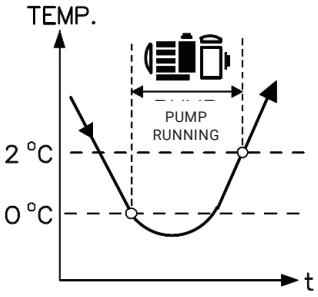
3”

Push for 3 seconds to change the lighting color.



Frost protection

It starts the swimming-pool pump when the ambient temperature is very low.

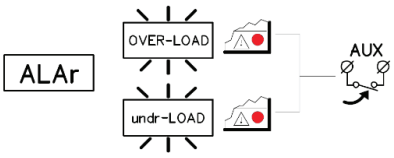


Only with the temperature sensor (optional).

Auxiliary relay options

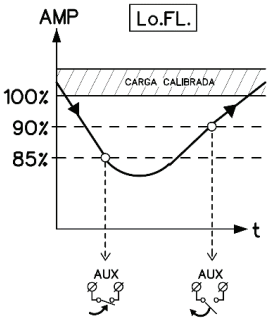
ALARM

The relay activates when the pump alarm trips.



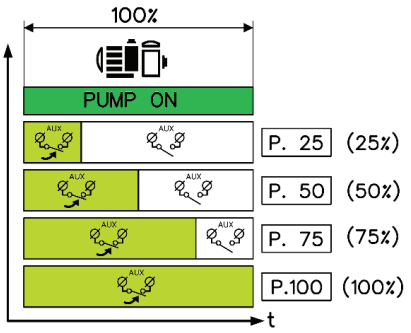
LOW FLOW

It is activated if the pump load is low (for example when the sand filter is clogged).



PERCENTAGE

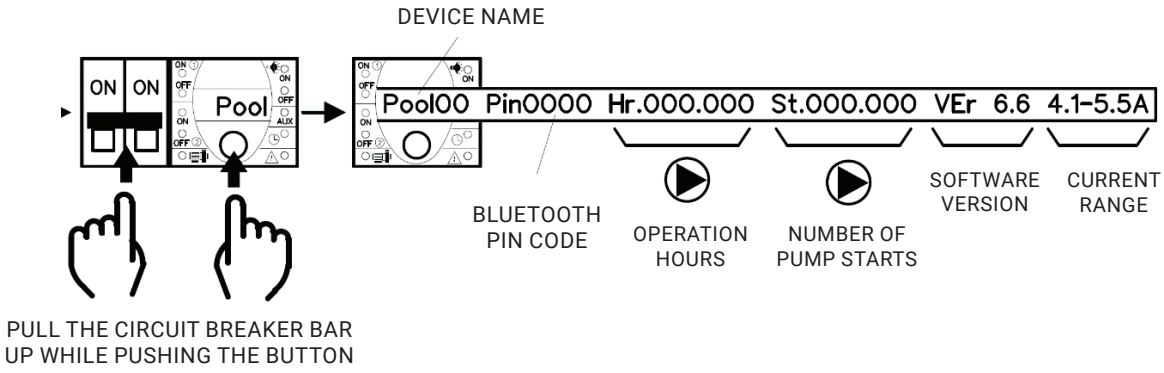
It is activated for a % of the time programmed for the filtering.



Bluetooth (only "B" models)

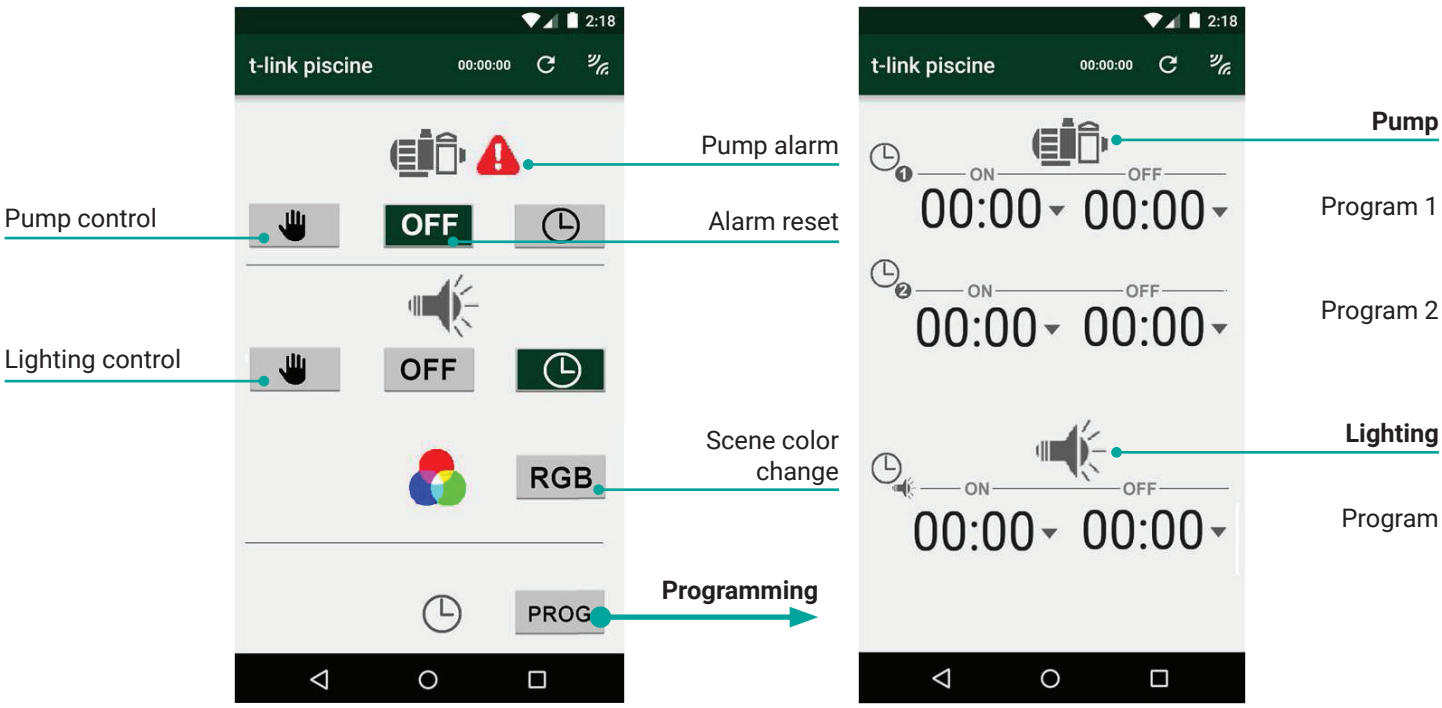
1 Download "t-link piscine" app

2 Check the "NAME" of the unit and the "PIN" code



3 Start the app and match the unit

App interface



Technical specifications

Power supply	230VAC or 400VAC+N (according to model) - 50/60Hz
Pump output	14A, 230VAC single-phase models 16A, 400VAC three-phase models
Lighting output (according to model)	230VAC / 5A 12VAC / 100W 12VAC / 300W
Pilot lights	Filtration ON, Alarm, Time programs, Auxiliary output, Current time
Protections	Overload, Underload, Phase loss (only in three-phase systems)
Overload protection	20% over calibrated current
Underload protection	20% under calibrated current
4-digit LED display	Current time, Settings, Alarms
Auxiliary relay	Free-voltage contact 250V / 5A maximum
Pump minimum current	0.5A
Maximum terminal cross-section	4mm² (power) / 2.5mm² (control)
IP/Temperature	IP65/-10º...+55º C
Software	V.3.3
Options	Bluetooth interface (-B) Radio remote control External temperature sensor

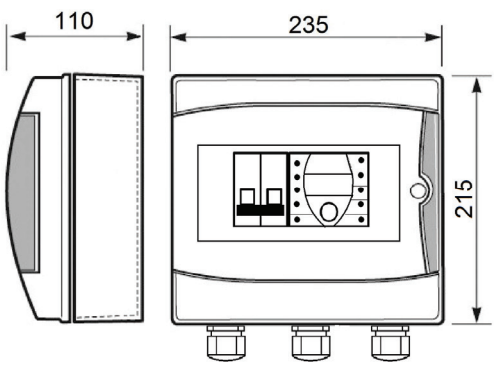
Reference

ECO-POOL-X-XXX-X-XXXX

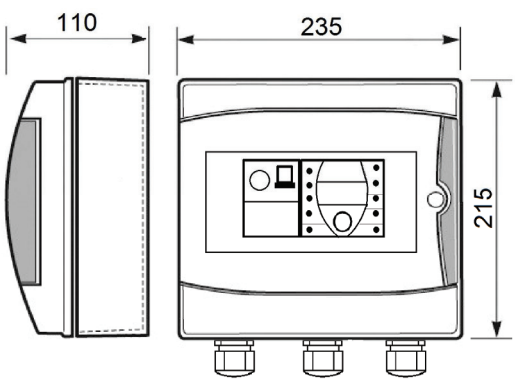
- T100: 100W transformer
  T300: 300W transformer
- D: RCCB
- 230: 230VAC supply
  400: 400VAC+N supply
- B: Bluetooth connection

Size

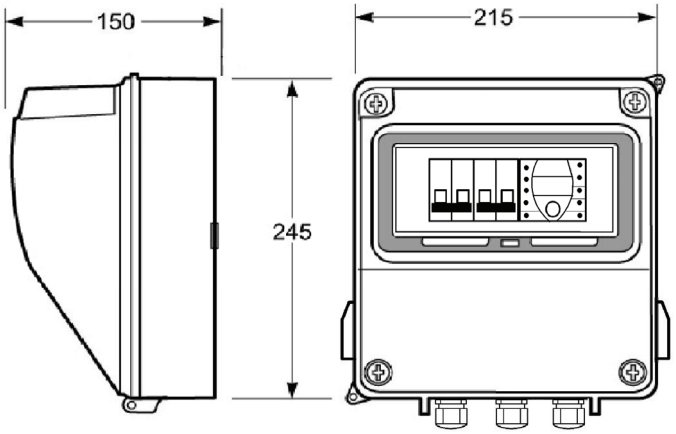
ECO-POOL-230



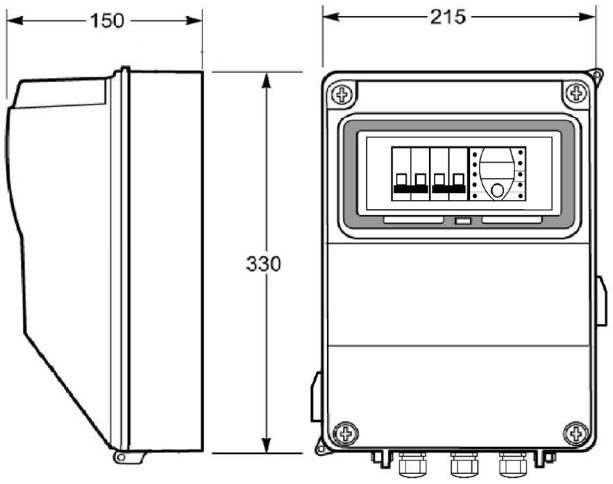
ECO-POOL-230-D



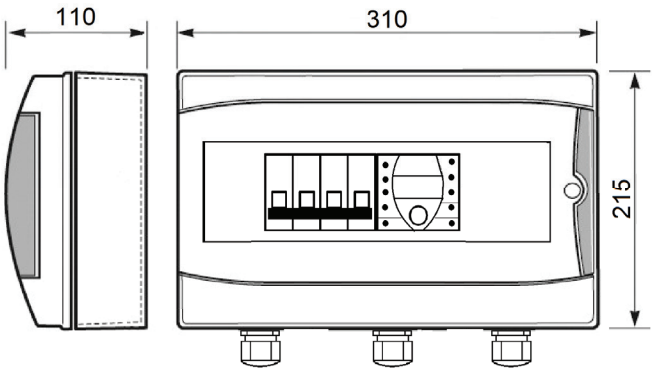
ECO-POOL-230-T-100



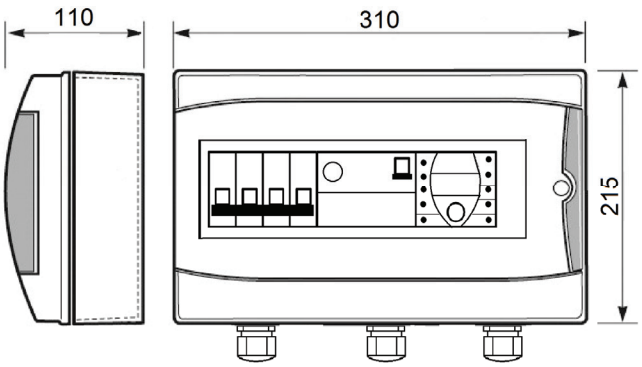
ECO-POOL-230-T300



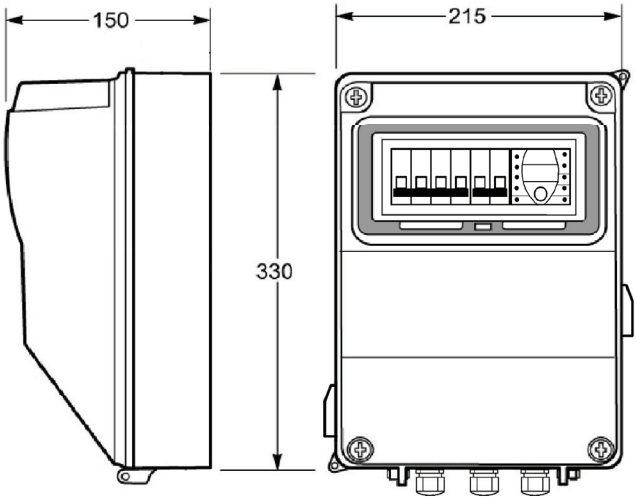
ECO-POOL-400



ECO-POOL-400-D



ECO-POOL-400-T100/T300

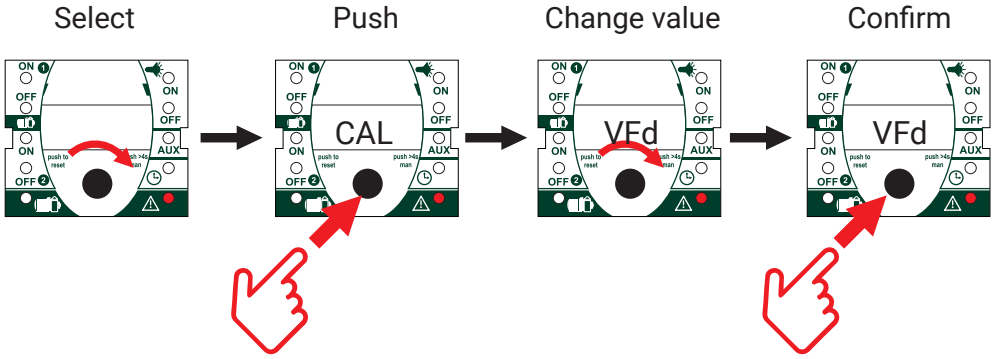


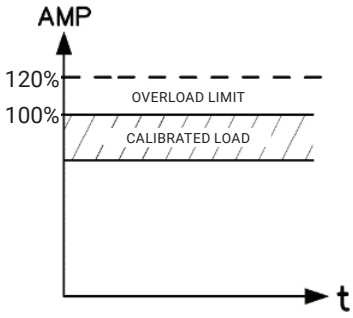
Annex 1

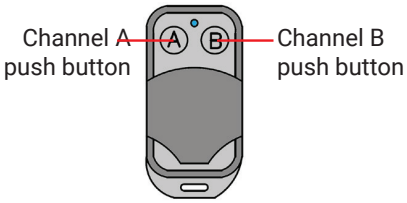
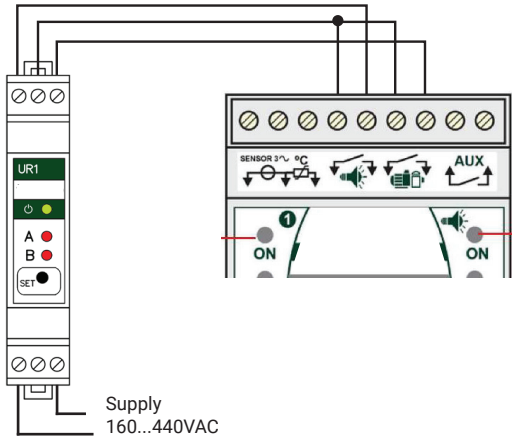
Auto calibration test in pumps with variable frequency drives, or to cancel the underload protection

To perform an automatic calibration:

The device sets itself at the 1st start-up only in standard mode (see page 6).





Once the value is confirmed, the pump sets itself during the first 8 running minutes.

Optional remote control (UR1 module).