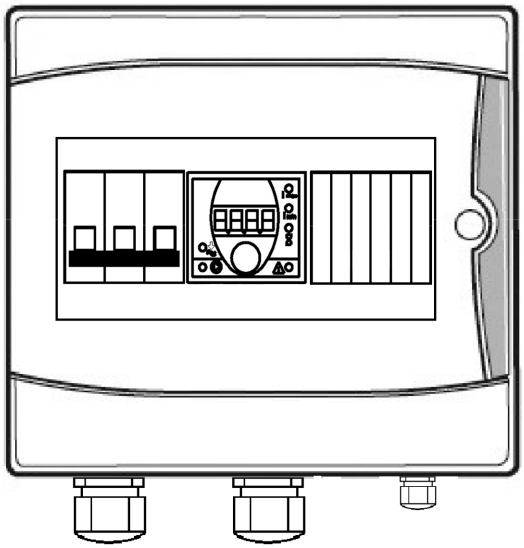


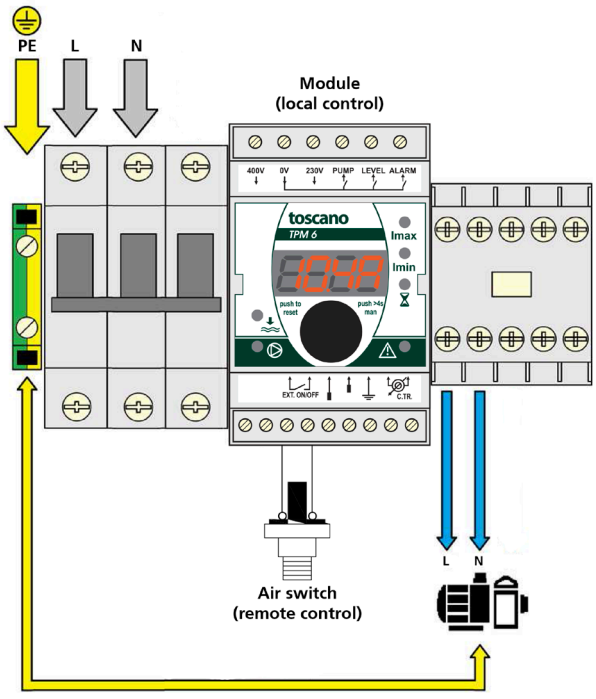
ECO-SWIM-230
Single-phase systems
or Three-phase systems

ECO-SWIM-400
Three-phase systems

Basic connection diagrams

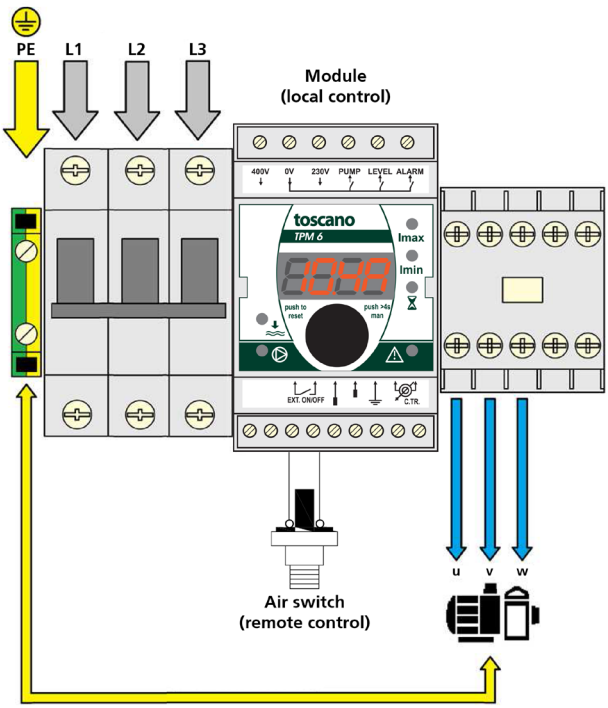
Single-phase systems

ECO-SWIM-230



Three-phase systems

ECO-SWIM-230
ECO-SWIM-400

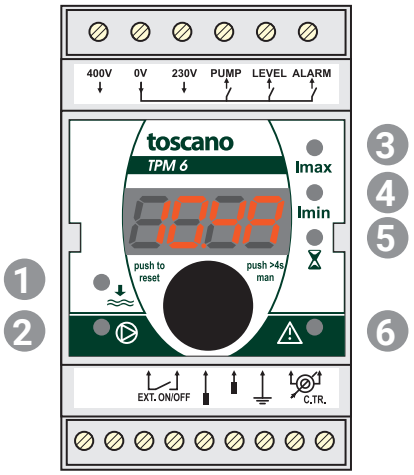


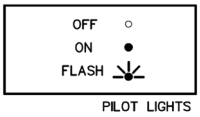
Control module

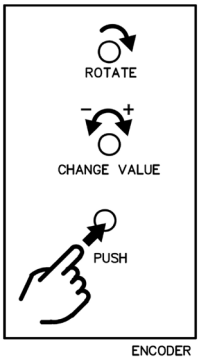
Pilot lights:

1. Low level (N/A).
2. Pump running.
3. Overload setting.
4. Underload setting.
5. Restart time setting* (N/A).
6. Main alarm.

* Keep in OFF position.

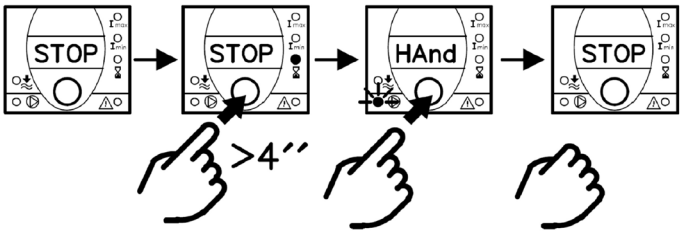




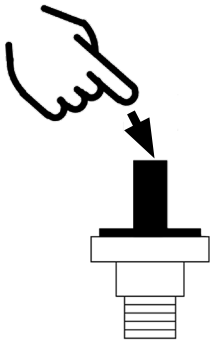


Operation

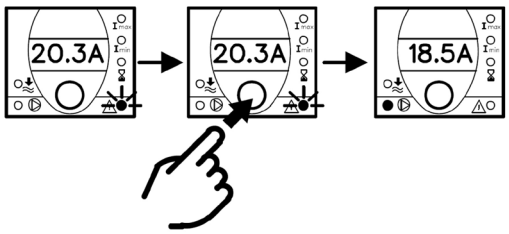
Local pump start/stop (module)



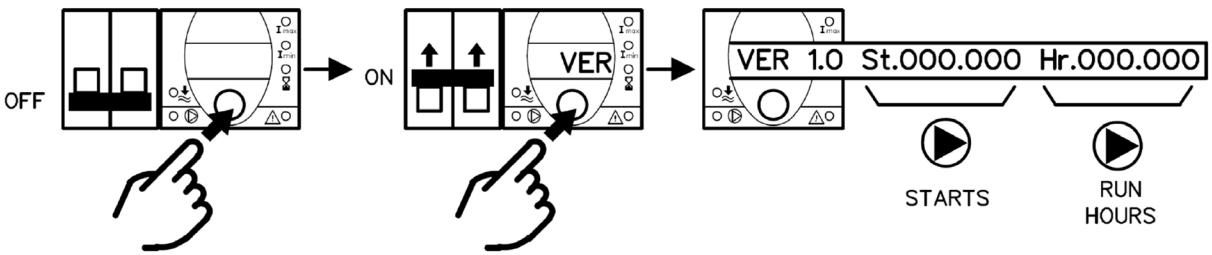
Remote pump start/stop (air switch)



Reset



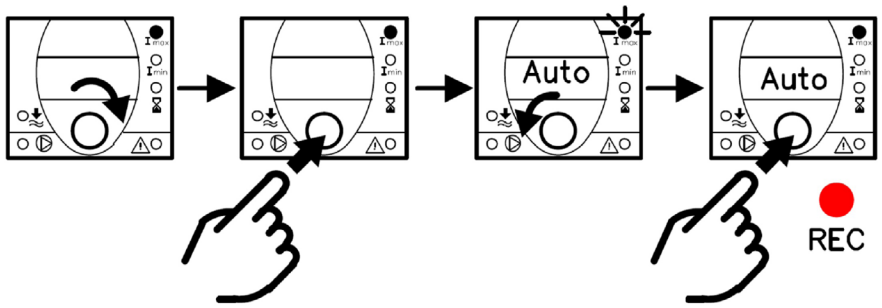
Status



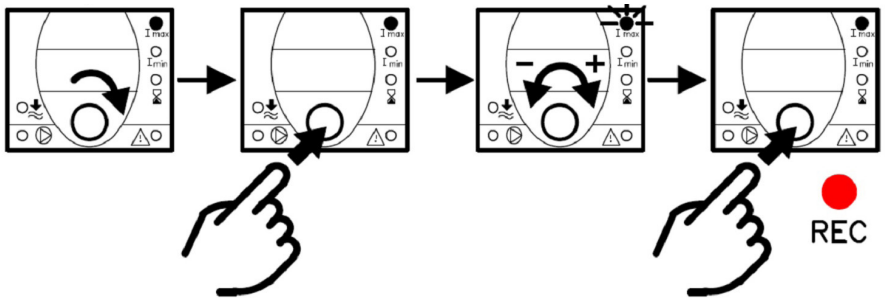
Pump protections

At he first start-up, the controller will perform an auto-calibration of thermal protection (Auto-tune).

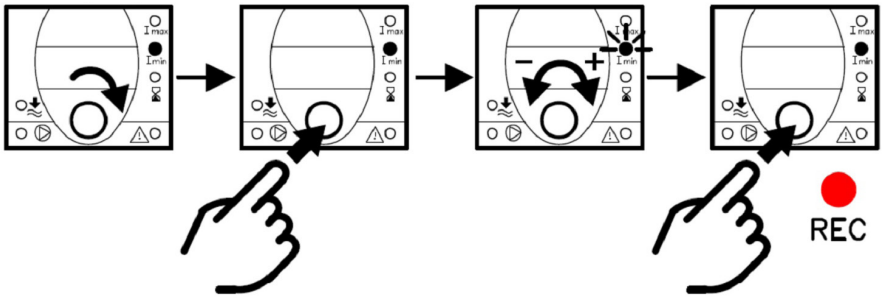
How to repeat Auto-tune



How to change the thermal overload protection (I_{max})



How to change the thermal underload protection (I_{min})



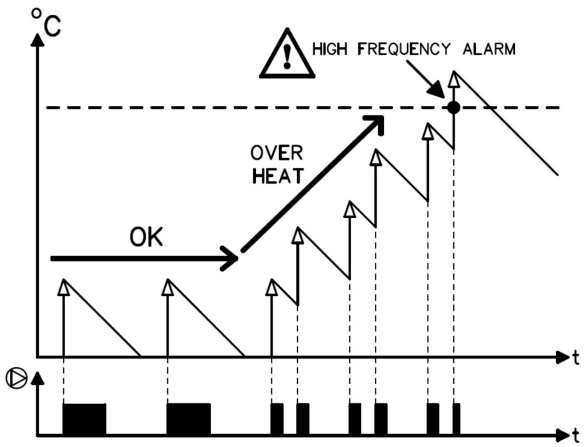
Error messages

OuL Overload

und Underload

HiGH FrE9 High frequency detection (successive starts)

High frequency detection



Technical specifications

Characteristics

Power supply	230Vac 1/3-ph or 400Vac 3-ph (depending on model) - 50/60Hz
Pilot lights (LED)	Pump running, Maximum current, Minimum current, Main alarm
Protections	Overload, Underload, Phase loss, Excessive starting frequency
Displayed information (4-digit LED display)	Pump consumption, Maximum current, Minimum current, Alarms
Pump output	16A maximum
Air switch	For connecting tube with internal Ø 2.5mm
Main alarm output (ALARM)	230/400Vac - 5A maximum
Maximum current setting	Auto - 0.6...40A (trip in 7 s)
Minimum current setting	OFF - 0.5...40A (trip in 4 s with 20 s starting delay)
Maximum terminal cross-section	4mm² (power) / 2,5mm² (control)
IP / Temperature	IP65 / -10°...+55°C
Software	V.1.0

Size