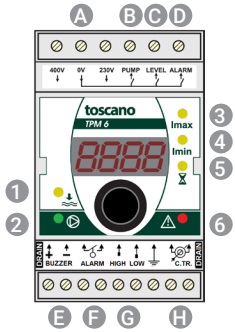
TPM-DRAIN

tcontrol

quick guide



Overview



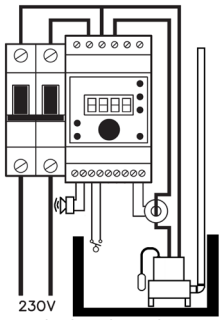
Terminals

A. Power supply input.
B. Pump control output.
C. Alarm level output.
D. Main alarm output.
E. 90 dB alarm buzzer input.
F. Alarm level float input.
G. Level control input.
H. Current transformer input.

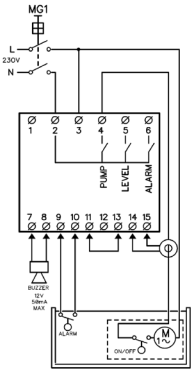
Pilot lights

1. Alarm level.
2. Pump running.
3. Overload.
4. Underload.
5. Limited run time.
6. Main alarm.

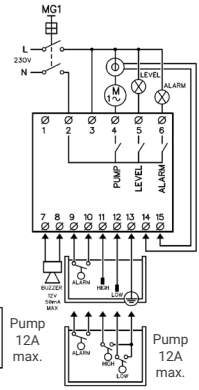
Connection diagrams



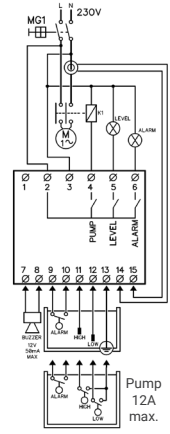
single-phase basic diagram (three-phase pump by contactor)



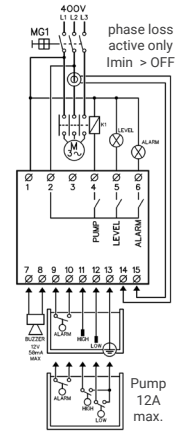
Pump 12A max.



Pump 12A max.



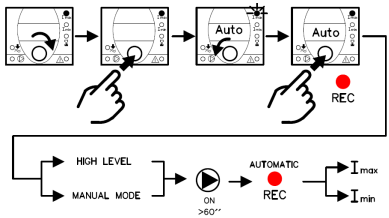
Pump 12A max.



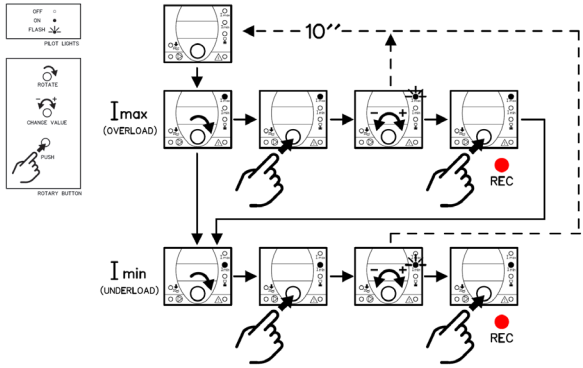
Pump 12A max.

Current setting

Option A: automatic current setting

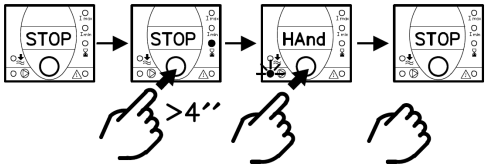


Option B: manual current setting

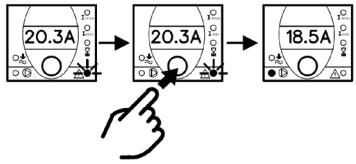


Operator control

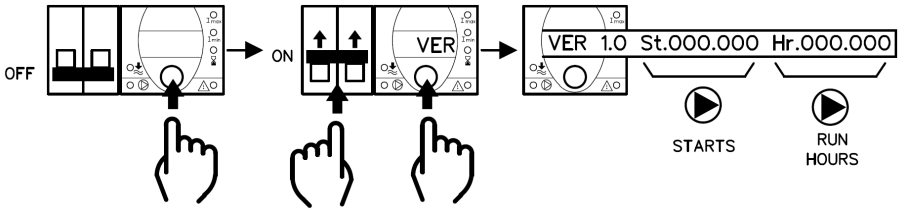
Manual mode



Reset (alarm and time delay)

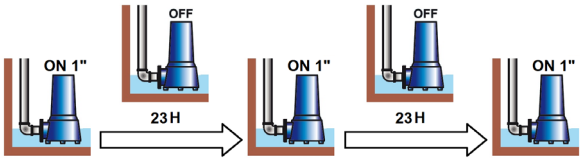


System status

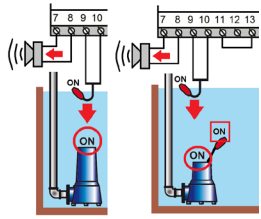


Additional protections

Jammed impeller preventive system

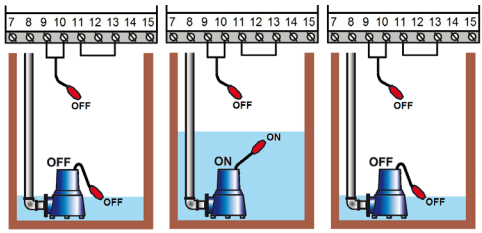


Alarm level float

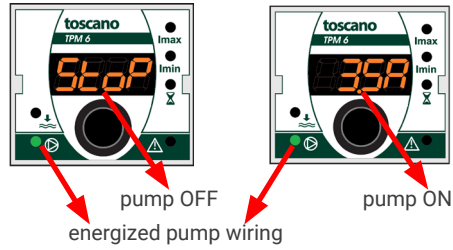


Level control - single-phase pump with built-in float

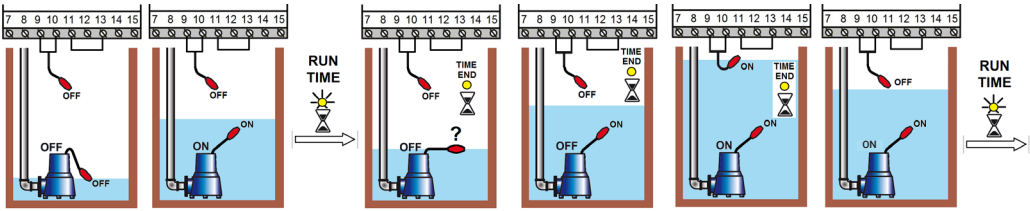
Basic control (Imin = OFF / ⌛ = OFF)



Pump pilot with built-in float

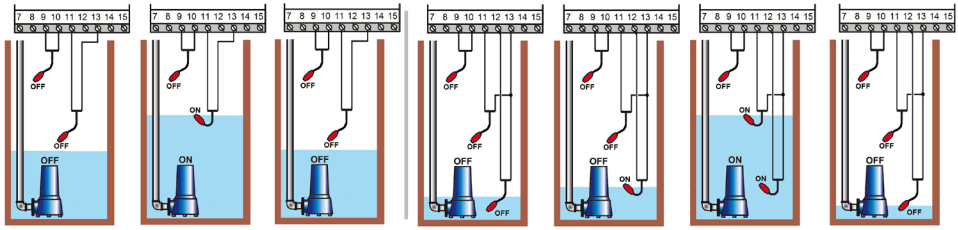


limited run time (Imin = OFF / ⌛ = 30”... 30’) - built-in float failure

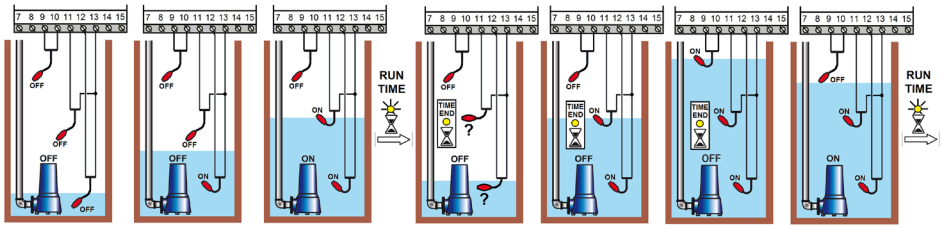


Level control - single/three-phase pump with separate floats

Basic control (⌛ = OFF)

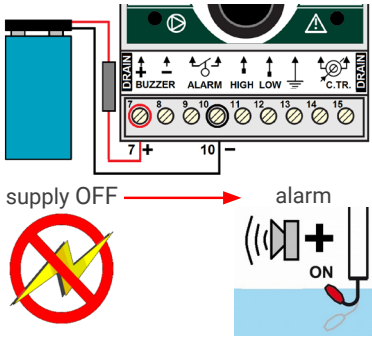


Limited run time (⌛ = 30”... 30’) - low level float failure

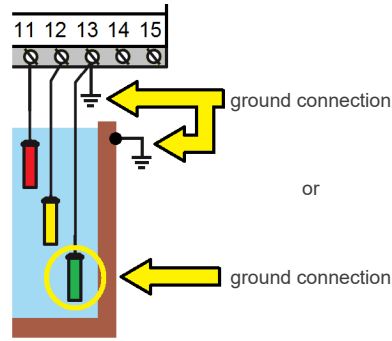


Extras

Battery charger (optional)

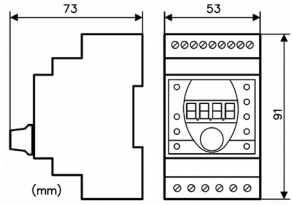


Level probes



Specifications

Power supply	230/400 V AC - 50/60 Hz
Pilot lights (LED)	Alarm level, Pump running, Overload, Underload, Limited run time, Main alarm
Motor protections	Overload, Underload, Phase loss, Jammed impeller
Displayed information (4-digit LED display)	Pump consumption, Overcurrent, Undercurrent, Time delay, Alarms, etc
Pump control output (PUMP)	12 A maximum (up to 40 A with auxiliary contactor)
Alarm level output (LEVEL)	5 A maximum
Main alarm output (ALARM)	5 A maximum
Overload protection setting	Auto - 0.6...40 A (trip in 7 s)
Underload protection setting	OFF - 0.5...40 A (trip in 4 s with 20 s starting delay)
Limited run time setting	OFF - 30 seconds...30 minutes
Maximum terminal cross-section	4 mm² (power) / 2,5 mm² (control)
Width / Weight / IP / Temperature	3 modules (52,5 mm) / 210 g / IP20 / -10...+55 ºC



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