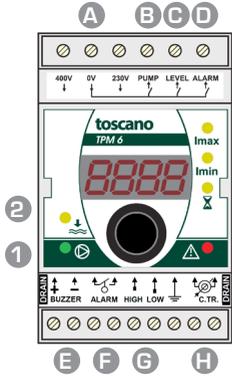


overview

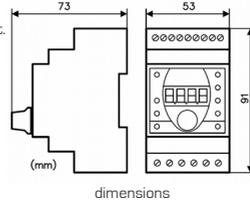


Terminals

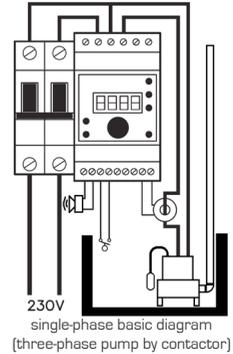
- A. Power supply 230/400V input.
- B. Pump supply output.
- C. High level alarm output.
- D. Pump alarm output.
- E. 90dB alarm buzzer output.
- F. High level alarm float switch input.
- G. Level control input (probes / float switches).
- H. Current transformer input.

Pilot lights

- 1. Pump running.
- 2. High level alarm.
- 3. Overload setting.
- 4. Underload setting.
- 5. Timer setting.
- 6. Pump alarm.



dimensions

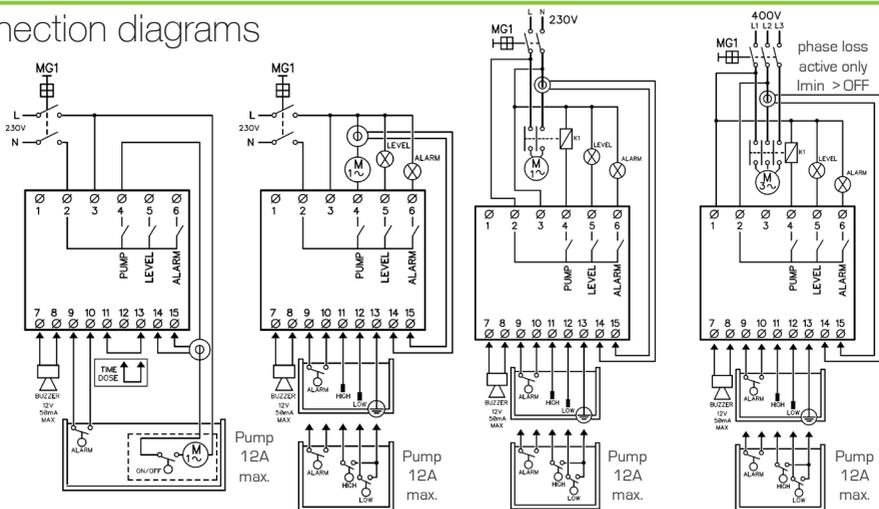


230V
single-phase basic diagram
(three-phase pump by contactor)

specifications

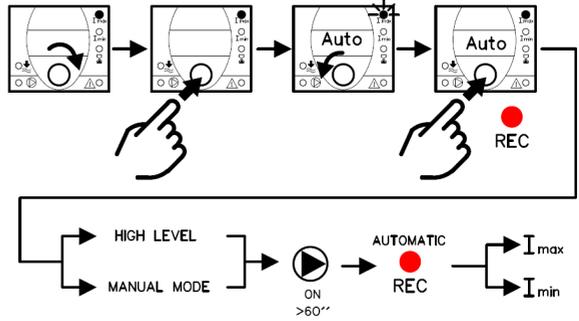
Power supply	230/400Vac - 50/60Hz
Pilot lights (LED)	Pump running, High level alarm, Maximum current, Minimum current, Timer, Pump alarm
Protections	Overload, Underload, Phase loss, Jammed impeller
Displayed information (4-digit LED display)	Pump consumption, Maximum current, Minimum current, Timer, Alarms, Settings
Pump output	12A maximum (up to 40A with auxiliary contactor)
High level alarm output	5A maximum
Pump alarm output	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)
Timed dose setting	OFF - 3 min...24 h
Limited run time setting	30 s...30 min
Maximum terminal cross-section	4mm ² [power] / 2,5mm ² [control]

connection diagrams

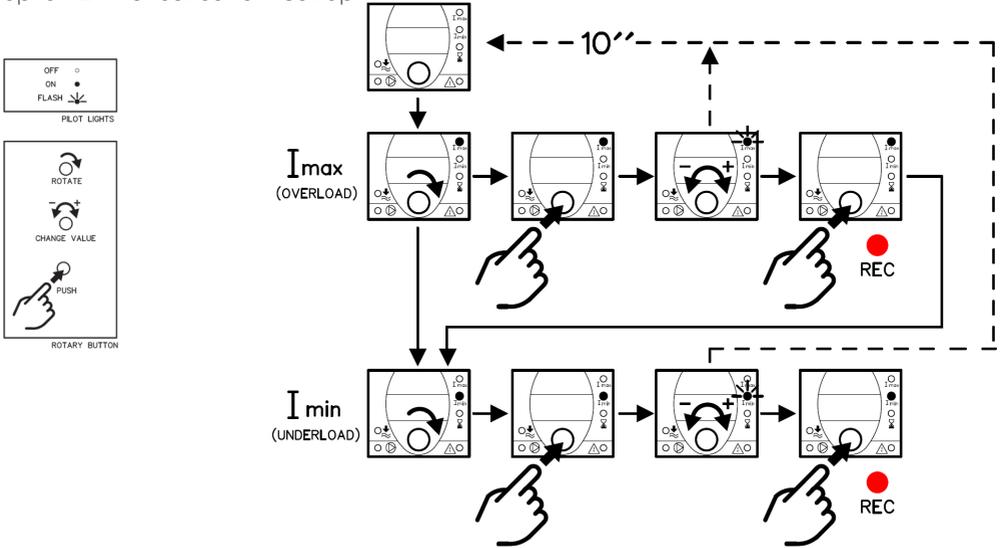


current set-up

option A: automatic current set-up

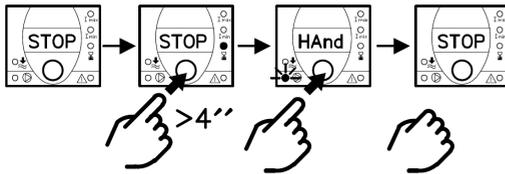


option B: manual current set-up

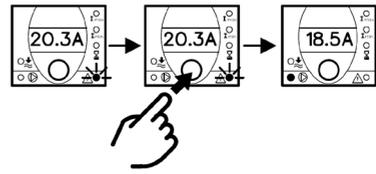


operator control

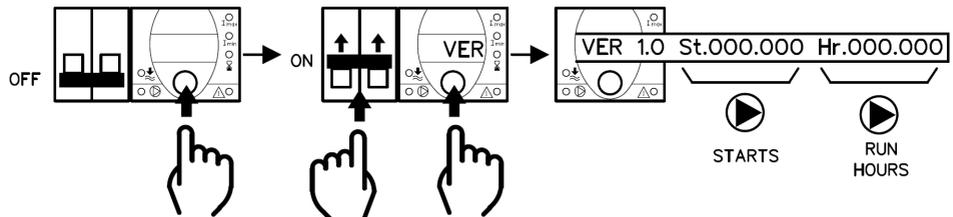
manual mode



reset (alarms, dose timer and run timer)

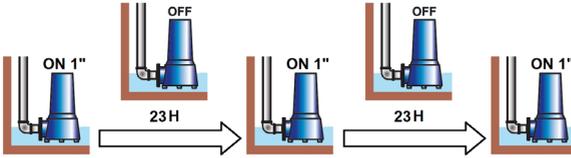


status

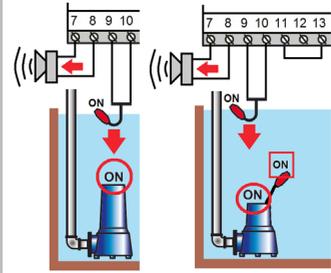


additional protections

built-in jammed impeller protection

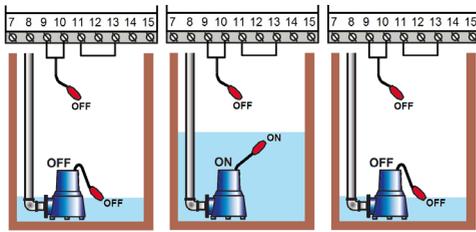


High level alarm float switch

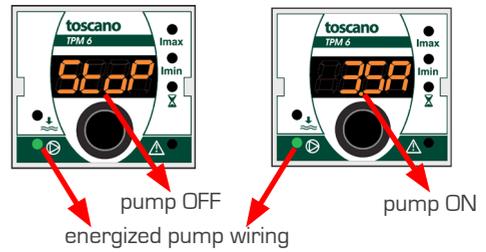


level control - 230V pump with built-in float

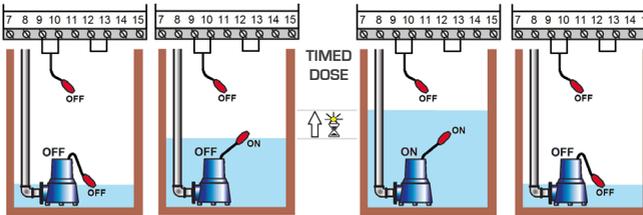
basic control ($I_{min} = OFF$ / $\text{hourglass} = OFF$)



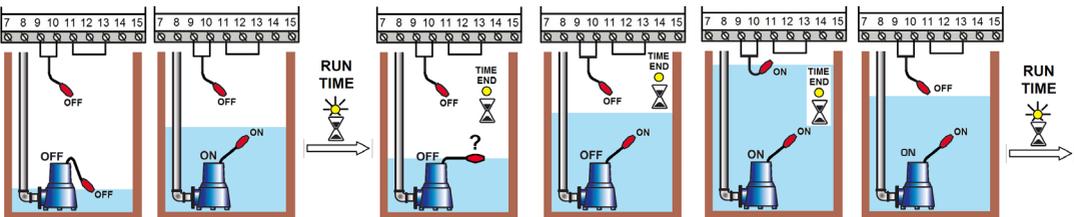
pump pilot with built-in float



timed dose ($I_{min} = OFF$ / $\text{hourglass} = d3' \dots d24h$)

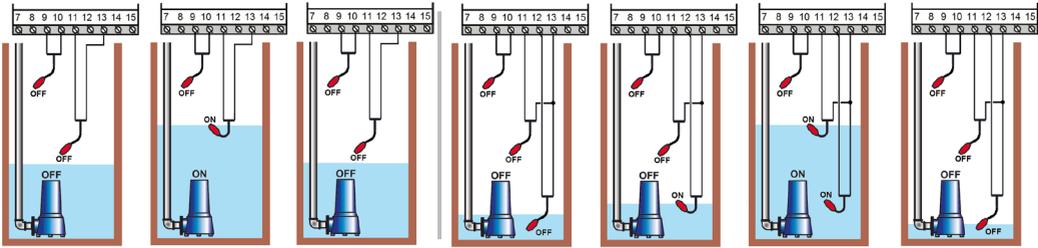


limited run time ($I_{min} = OFF$ / $\text{hourglass} = r30'' \dots r30'$)

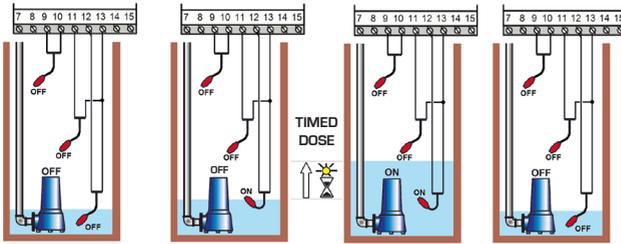


level control - multiple float switches

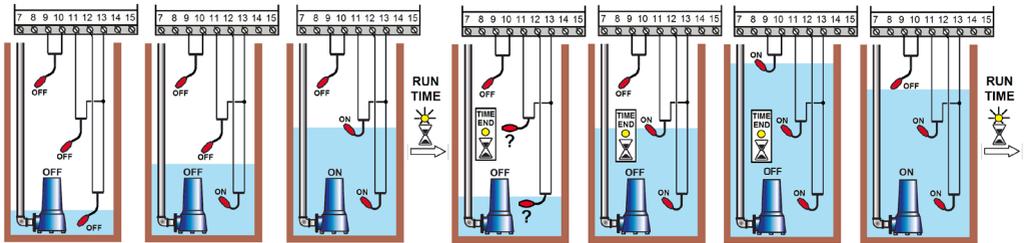
basic control (⌚ = OFF)



timed dose (⌚ = d3'...d24h)

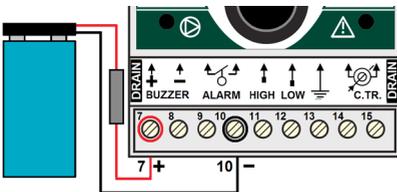


limited run time (⌚ = r30"...r30')



extras

optional battery charger



supply OFF → alarm level



conductive probes

