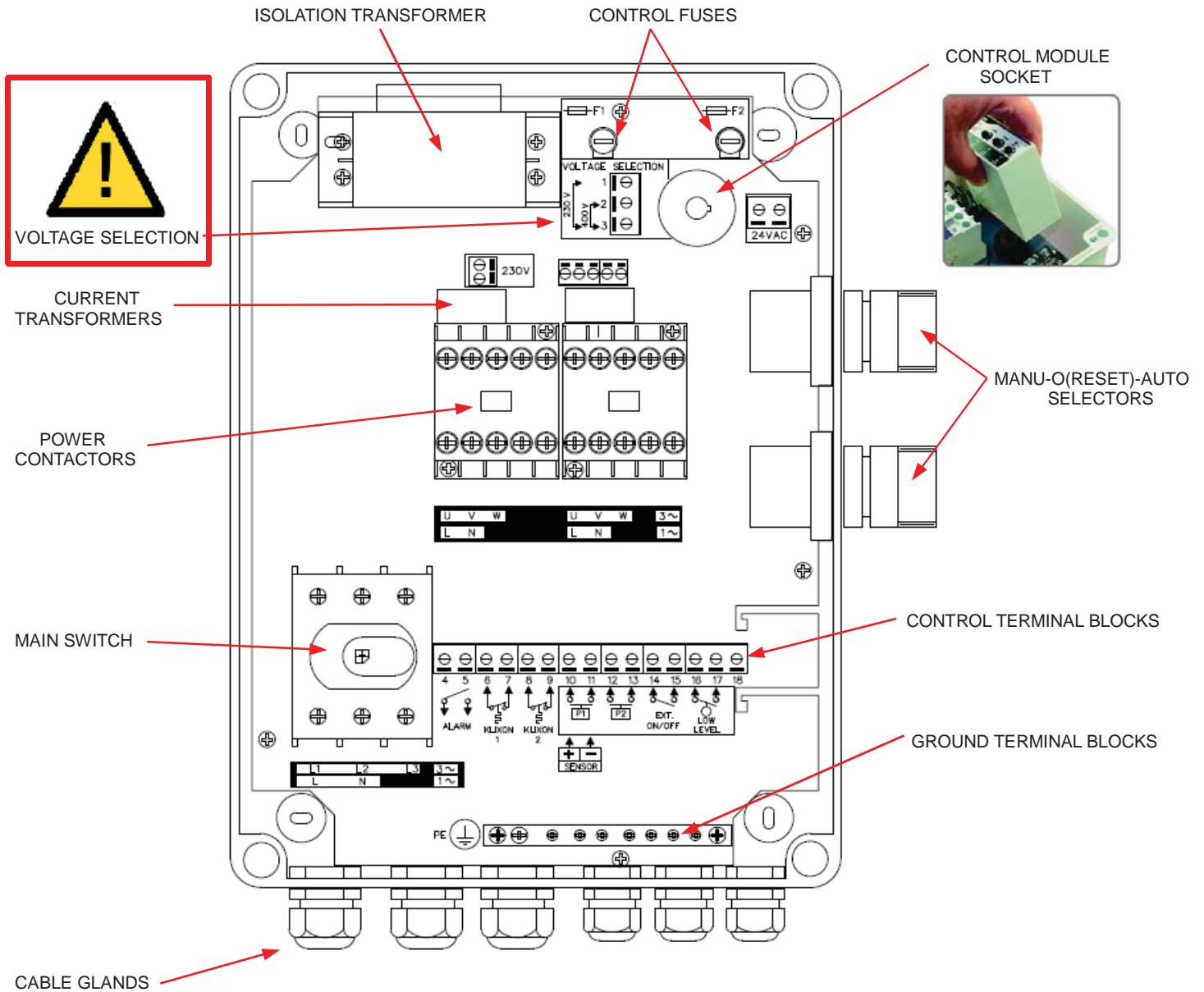
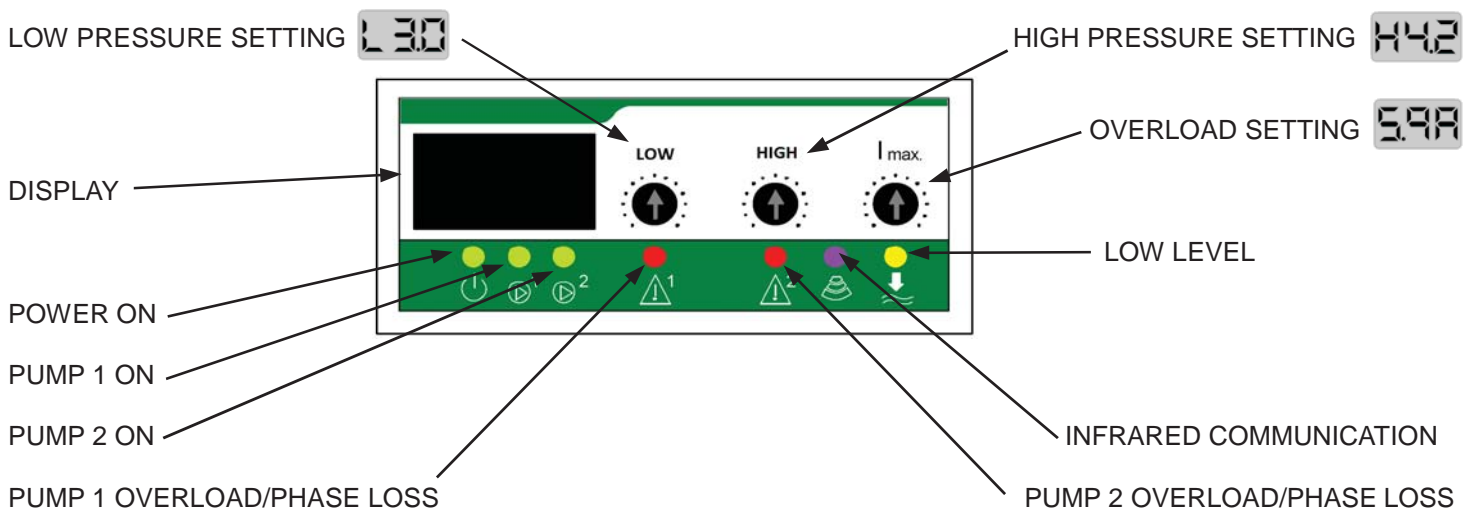


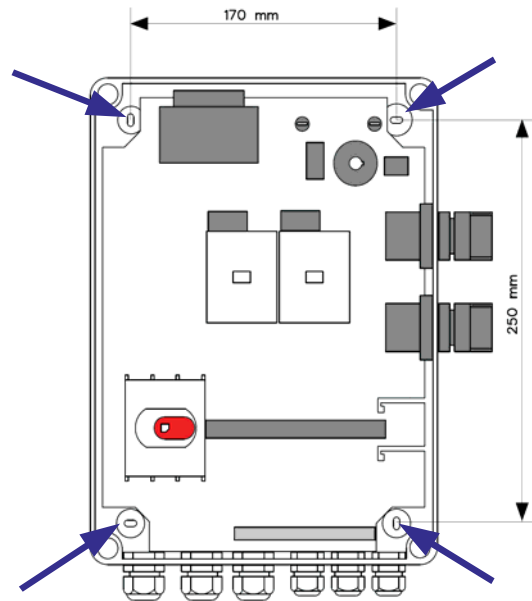
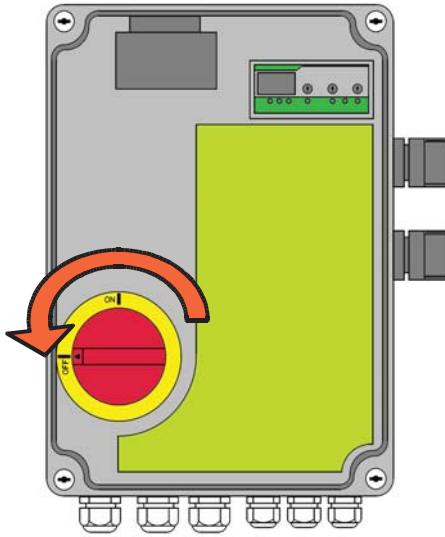
internal configuration



control module



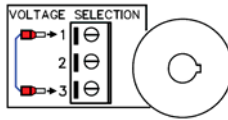
installation



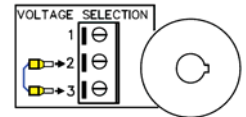
voltage selection



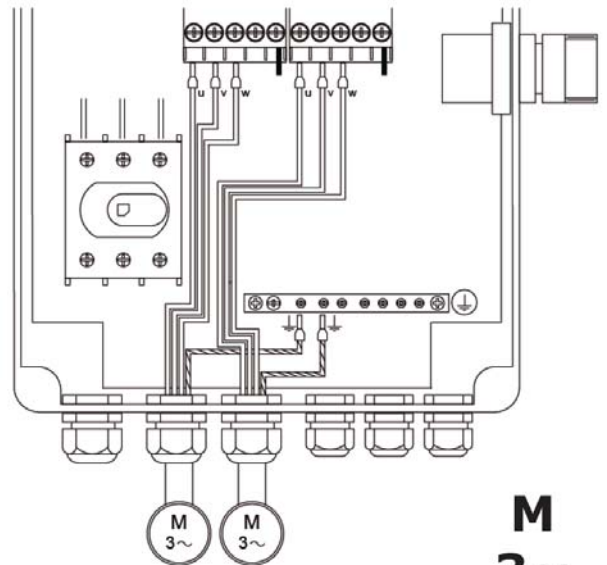
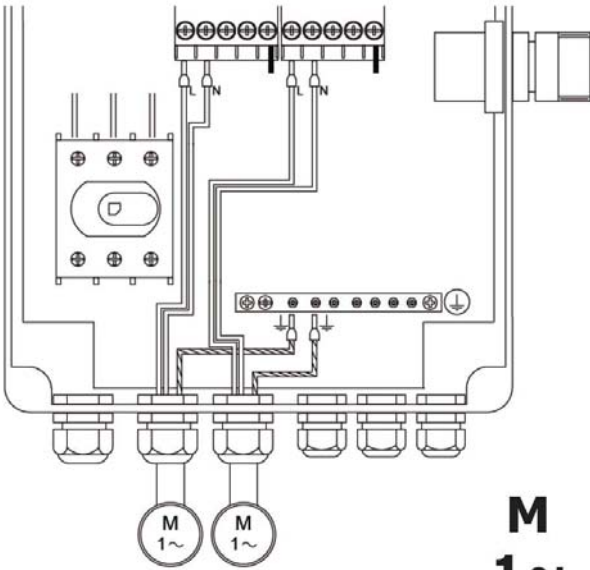
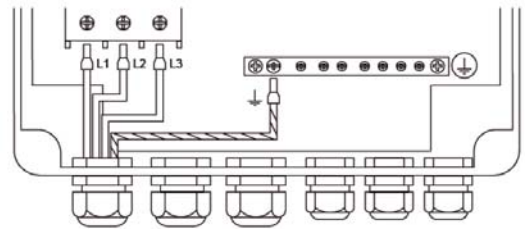
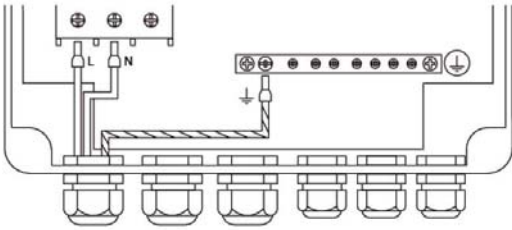
230 VAC



400 VAC

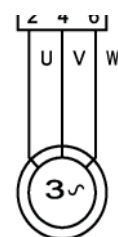
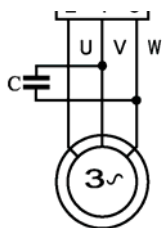
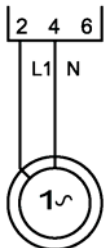


power connections

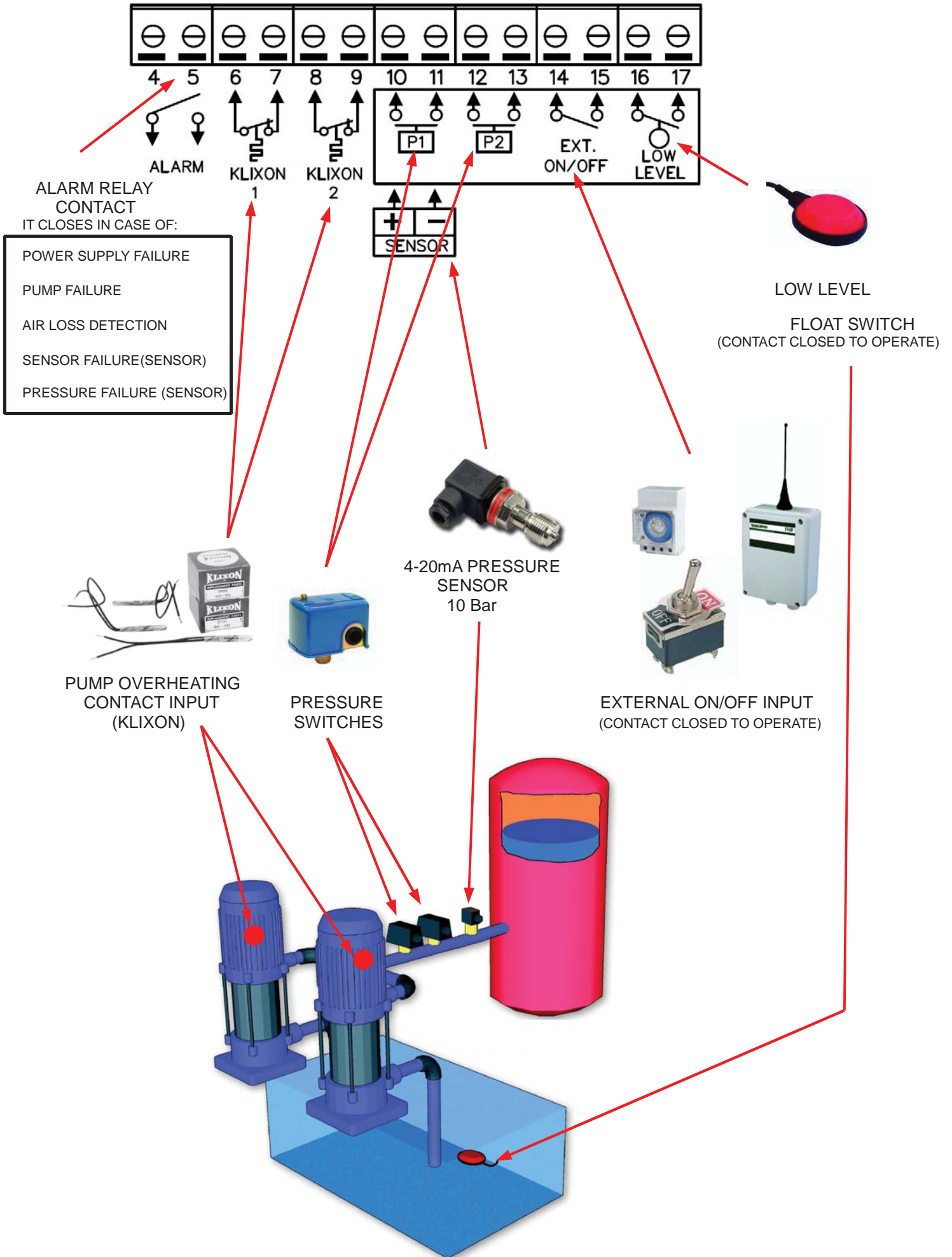


M
1~

M
3~



control connections



selectors



ON



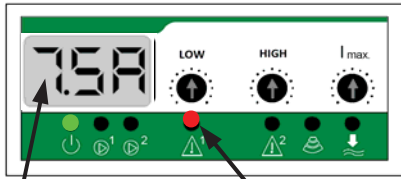
CAUTION
PUMP NOT
PROTECTED ON "MAN"
OPERATION



+



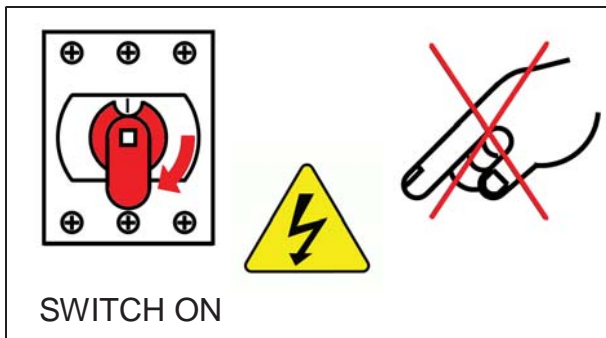
**AUTOMATIC
MODE**



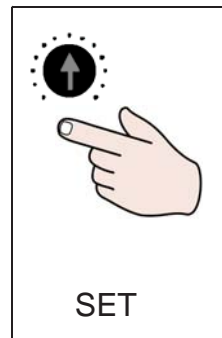
motor current

Flash on manual

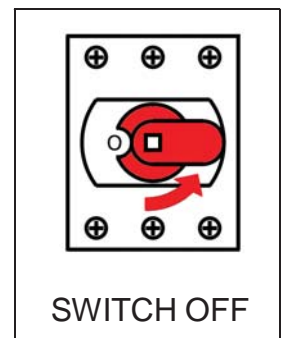
set-up



SWITCH ON



SET

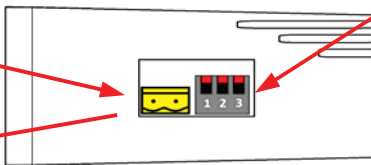


SWITCH OFF

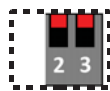
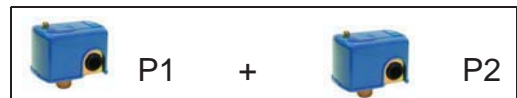
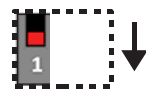
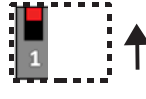
control mode selection

PRESSURE CONTROL MODE

ALARM
CONNECTOR



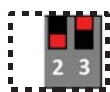
ALARM



Auxiliary 2s



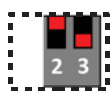
Principal 5s



Auxiliary 5s



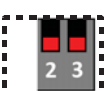
Principal 30s



Auxiliary 10s



Principal 60s

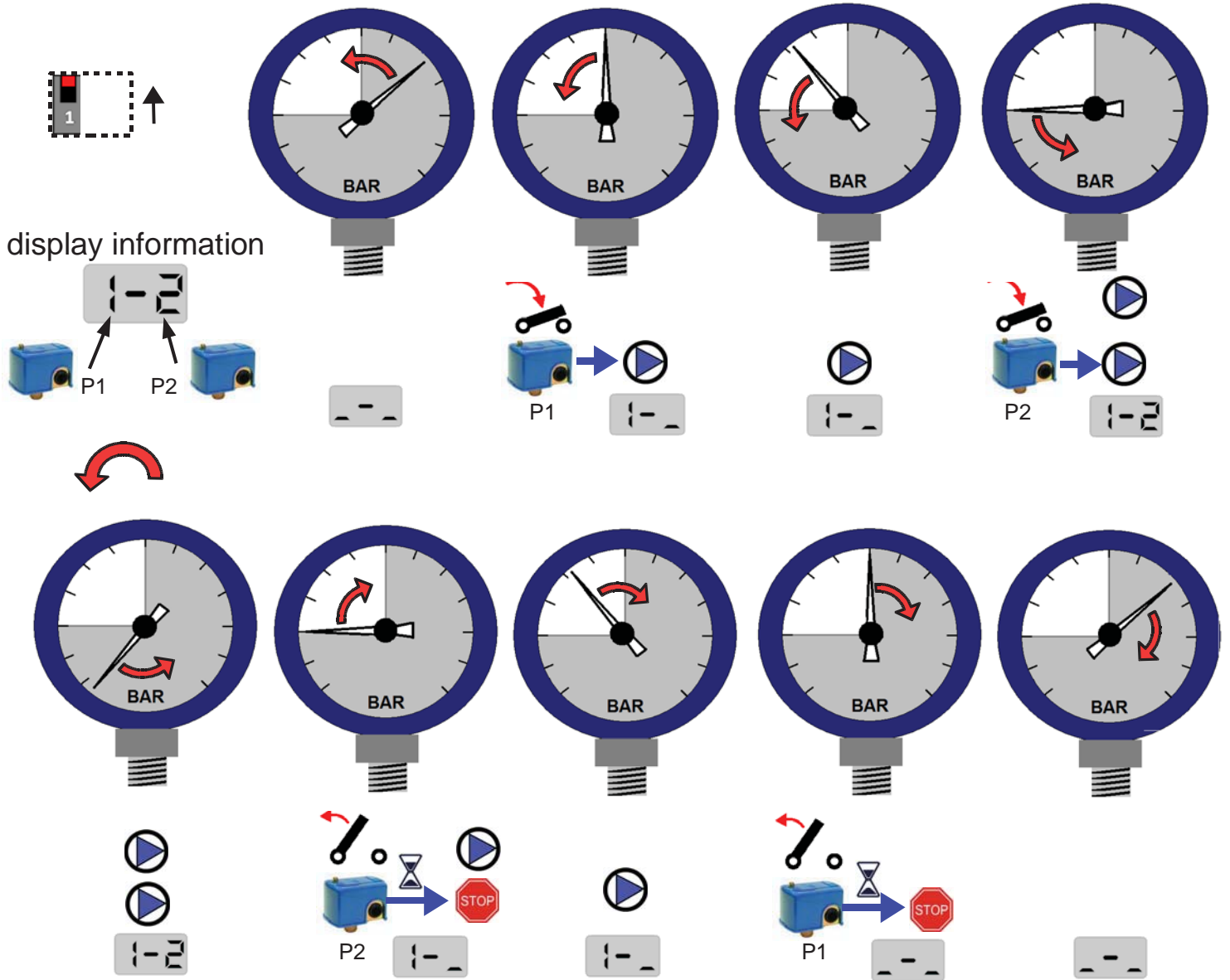


Auxiliary 30s

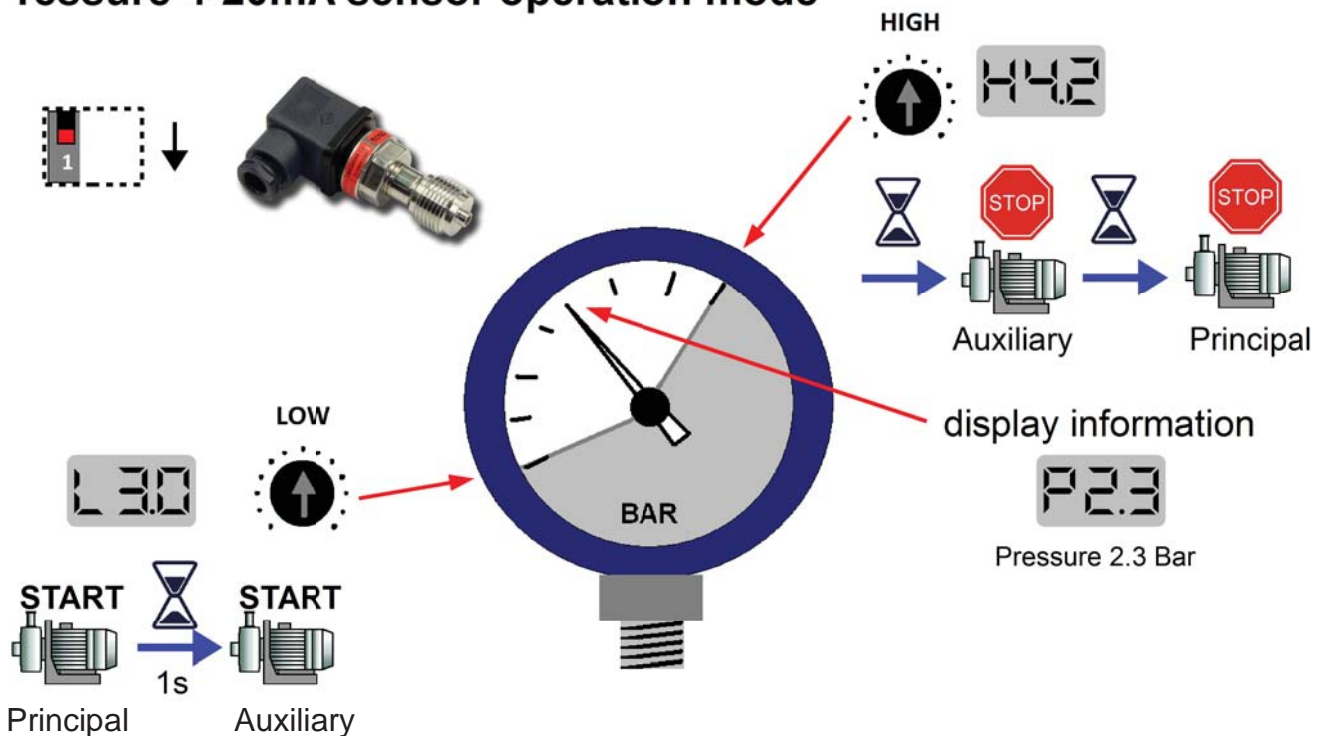


Principal 180s

Pressure switch operation mode

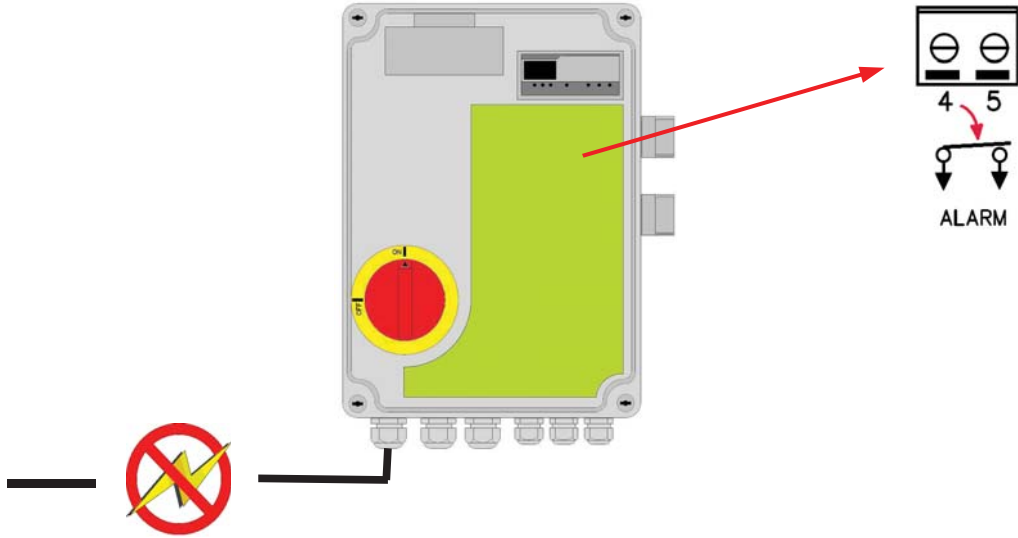


Pressure 4-20mA sensor operation mode

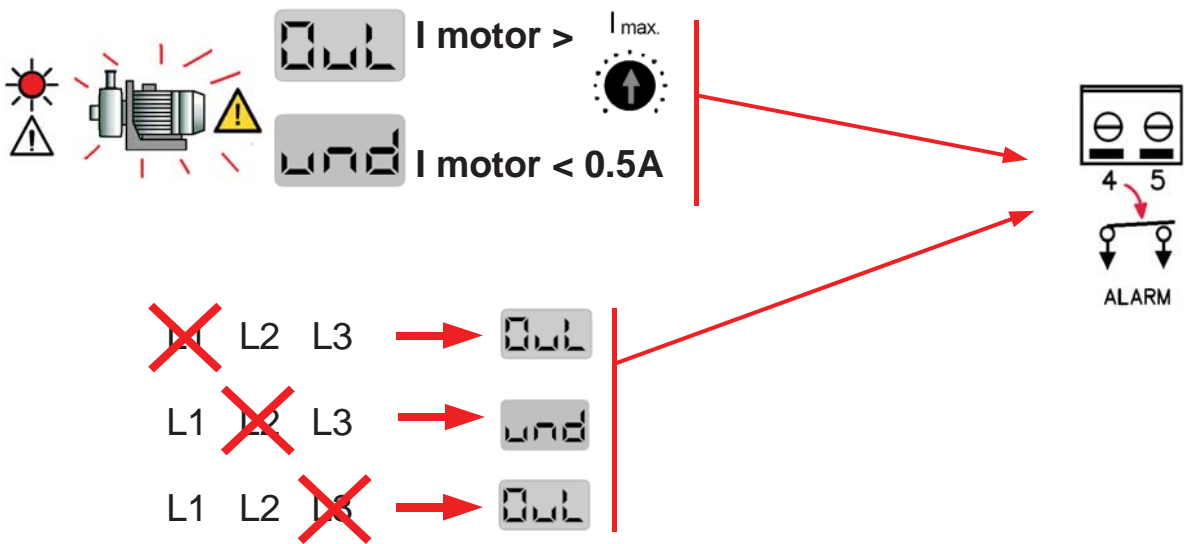


problem detection

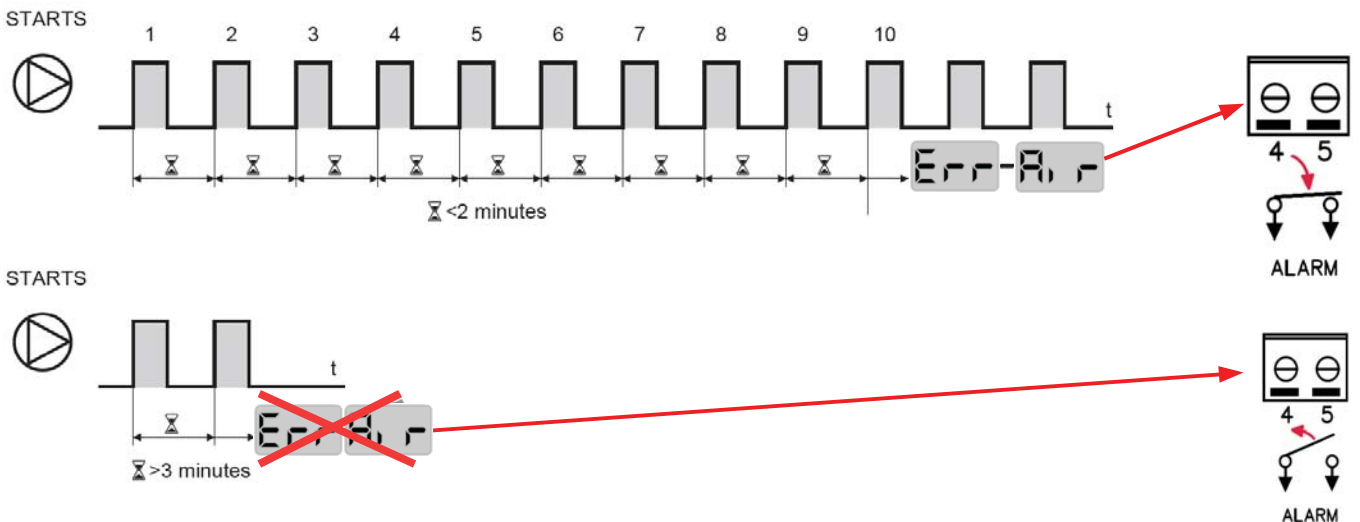
supply failure



pump failure



Air Error detection



sensor failure (4-20mA sensor control)

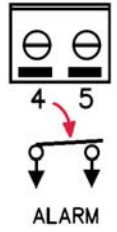


SEn 5.c.

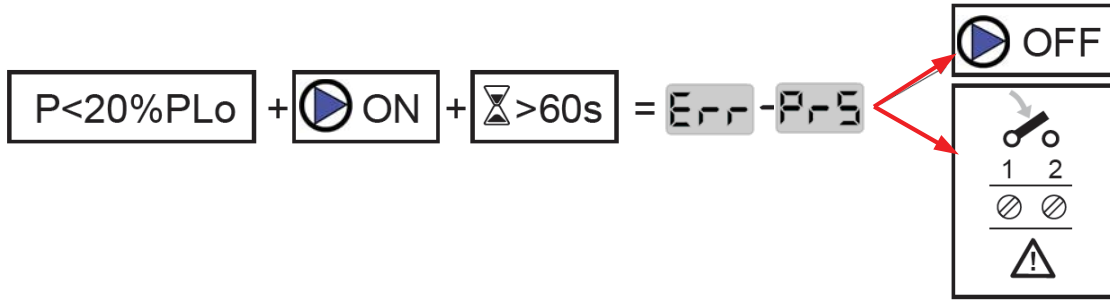
I Sensor > 20mA

SEn 0.c.

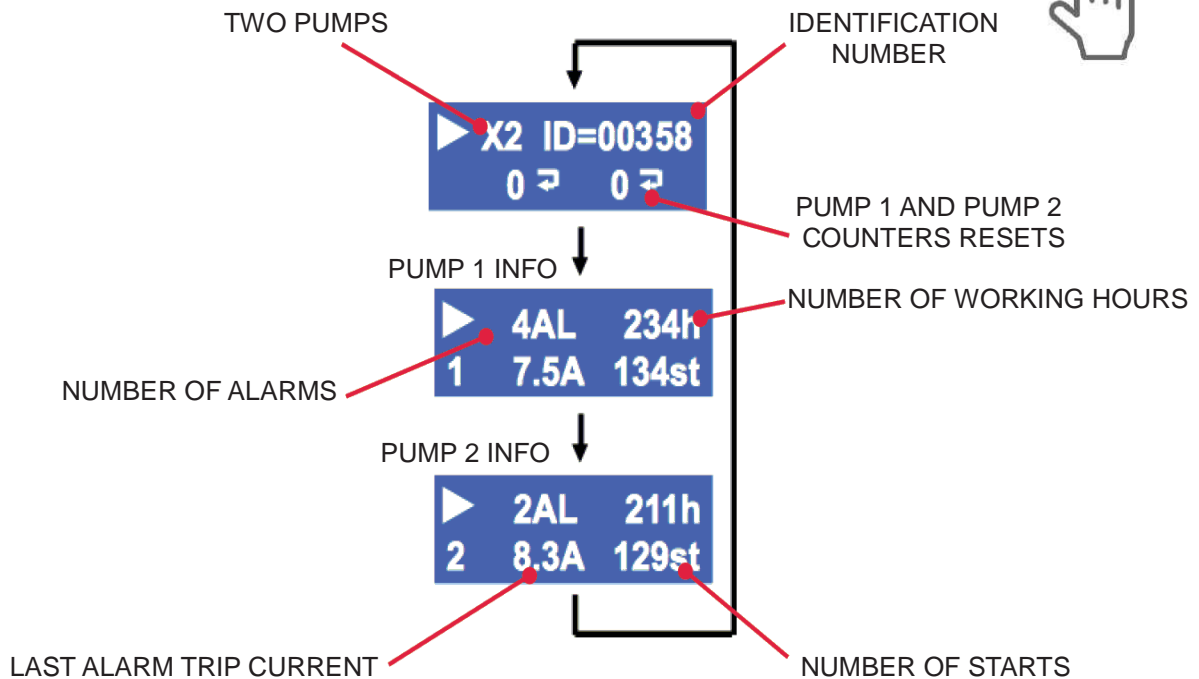
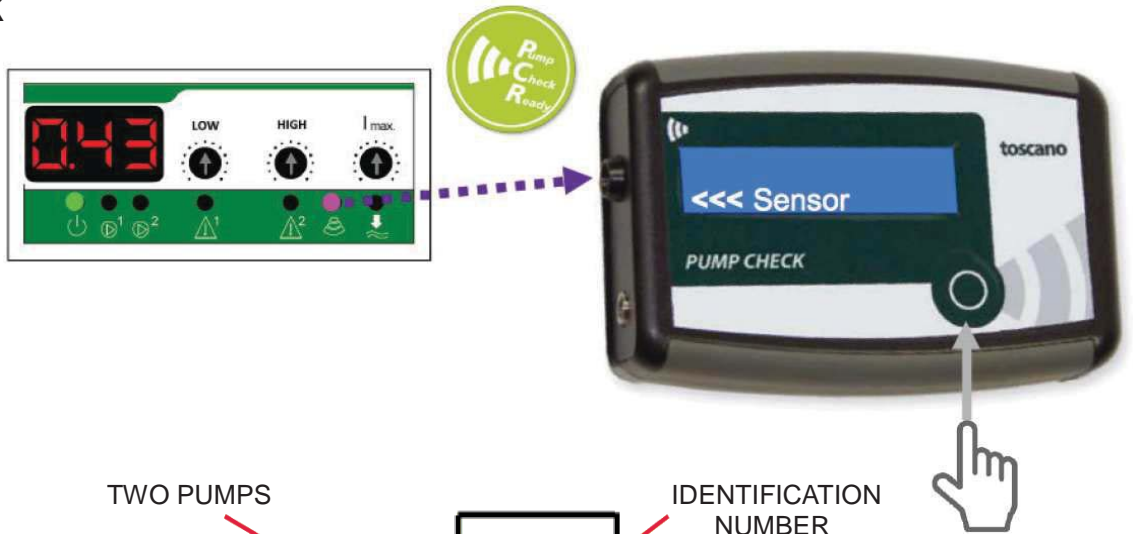
I Sensor < 4mA



Pressure Error detection (4-20mA sensor control)



pump-check



other functions

- Pump alternation with delayed start and stop for pumps.
- Automatic pump commutation in case of failure or deactivation of one of them

technical specifications

Supply voltage	230V AC I/III or 400V AC III (selectable) -20% +30% 50/60Hz
Pump maximum current	12A-AC3
Overload adjustment	0,5 ...13A (alarm trip in 7s)
Control mode	Pressure switches and/or 4-20mA pressure sensor
Control inputs voltage	24VDC (Pressure switches, low level float and External ON/OFF)
Sensor 4-20mA supply voltage	24 VDC
Sensor range	10Bar
Sensor failures detection	Open circuit and Short circuit
Low pressure adjustment	0,1.....9,8 Bar
High pressure adjustment	0,3.....10 Bar
Minimum distance PHi and PLo	0,2 Bar
Terminal blocks wiring size	10mm ² (power) 4mm ² (control)
Protections	Overload, phase failure and pump overheating (Klixon contacts)
Alarm contact	5A, 250V AC
Alarm contact activation	Overload, phase failure, sensor failure, power supply failure, air error and pressure error
Recording information(PUMPCHECK)	Module identification number, counters resets, pumps running hours, pumps starts, pumps alarms and last alarm tripping current.
Size/Weight/IP/Temperature	300(heigh)x220(width)x120(deph)/3550g/IP65/-10 +55°C

