TA2R

Alternation relay Double

tcontrol



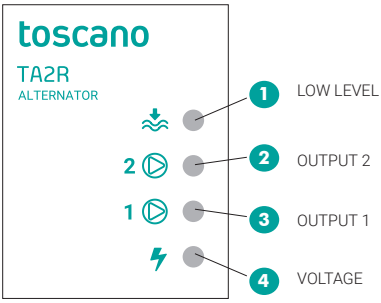
Description

Two alternating pumps relay controlled by pressure switches with low level input, and alarm output.

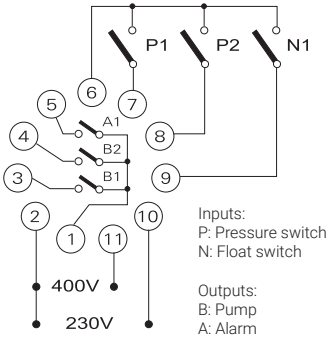
Timed restart for second pump after supply voltage failure.

Pressure switches and/or floats are isolated from power supply and with low level voltage (12V), giving full protection for users and maintenance people.

Frontal Description



Connections



CHECK THE CONNECTIONS BEFORE STARTING THE EQUIPMENT. A WRONG WIRING CAN INVOLVE DANGER OF ELECTROCUTION.

Operation

This relay has two output contacts for pump control (B1, B2) with additional low level alarm output.

When P1 is activated (high press value) will launch one pump.

The alternation of pumps is made every P1 cycle start/stop.

In case of failure P1, P2, when activated (low pressure switch), will be launched two bombs.

The starting and stopping of pumps is always done with a small delay between them, thus preventing the start or stop both pumps simultaneously occurring peaks excessive consumption or water hammer in pipes.

The unit has a red light to indicate the status of the control outputs of the pumps and also has an amber pilot lights which detects low level at the intake of the pumps.

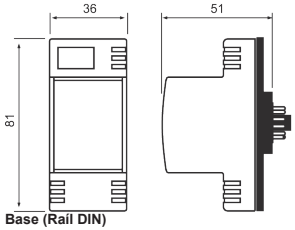
When no pump running there is always one of the pumps pilot flashing, indicating wich pump will start first in the next cycle.

When level is comming up again, the amber led will be flashing during 5 sec before the pump starts again.

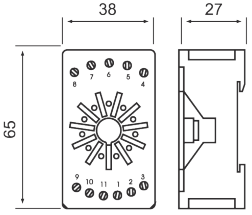
Technical features

LED status indication	VOLTAGE OUTPUT 1 (Activated / Stand by) OUTPUT 2 (Activated / Stand by) ASPIRATION LEVEL
Supply Voltage	240/400 VAC (ask for another voltage) 50/60 Hz
Power consumption	2 VA
Permissible voltage fluctuations	+10% -10%
Inputs voltage	12 VDC
Terminal block maximum section	2,5 mm^2
Load contacts	5 A - 250VAC 5 A - 30VDC
Temperature range	-10º +60º C
Weight	150 g (200 grs. incl. base)

Module



Base (Rail DIN)



Toscano Línea Electrónica, S.L.
P.I. La Isla c/Río Viejo, 50 - 41700 - Dos Hermanas - SEVILLA - SPAIN - (+34) 954 999 900 - www.toscano.es - info@toscano.es

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