CASCADE
More than a fountain



Water level control systems

3-SENSOR WATER LEVEL CONTROLLER



3 SENSORS | **24 Vac** | **RELAY OUTPUT**

- Detection by 3 probes
- Adjustable settings
- 2 relay outputs
- DIN mounting

Water level controller, used with filling function. Detection by means of 3 electrodes (high level, filling, reference electrode).

Possibility of selection among different sensitivity ranges by means of a potentiometer. Adjustable probe delay (1..10 sec) or refilling start delay (0..300 sec).

Provided with 2 relays outputs (2 changeover contacts).

A green LED indicates power supply on. The 2 upper red LEDs respectively indicate: relay 1 status (changeover contact of terminals 11, 12 and 14) and relay 2 status (changeover contact of terminals 21, 22, 24); when the relay LED is flashing, the tripping time delay is lapsing. After that, the relay is energised and the LED is constantly lighted.

The sensitivity adjustment is obtained by selecting the scale with the rotating selector "Sensitivity range".

With potentiometer "Probes delay" the time delay, 1..10 seconds range, can be regulated so that this time elapses when the probe is both wet and not wet, in order to avoid false filling triggering caused by water motion.

The "Mode" potentiometer determines the working mode of the controller, to be used in "UP" position, which means filling mode.

WORKING MODE

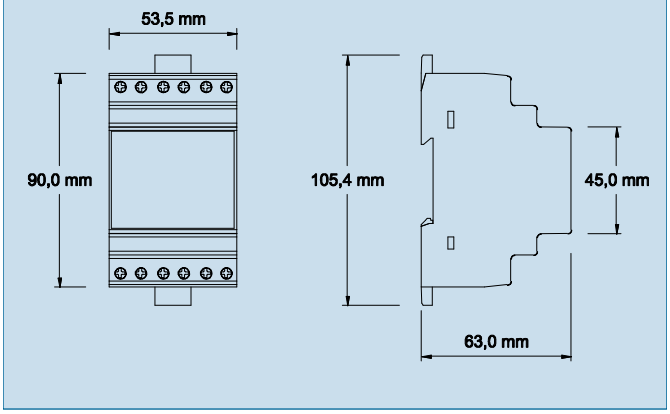
When the probes are all wet the fountain works normally.

If the HIGH level probe is not wet, the system will go on working.

If the water level decreases below the FILLING probe, after a short delay ("Probes delay"), the controller will activate the filling electrovalve that will restore the water level inside the tank. In this condition the fountain will not stop, but it will go on working.

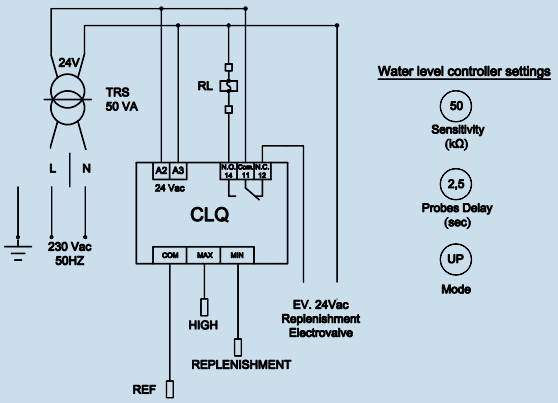
As soon as the water level covers the HIGH level probe, the FILLING will stop automatically.

DIMENSIONS



APPLICATION

SUGGESTED INTERCONNECTIONS AND SETTINGS



	3-SENSOR WATER LEVEL CONTROLLER
CODE	**CLQ**
POWER SUPPLY	24 Vac - 50/60 Hz
ABSORBED POWER	5,5 VA max
POWER DISSIPATION	2,8 W max
PROBES VOLTAGE	7,5 Vac
PROBE TRIPPING DELAY	1..10 s
RELAY ENERGISING DELAY	0..300 s
NO. OF RELAYS	2 (changeover)
RELAYS RATED VOLTAGE	250 Vac
MAX RELAYS SWITCHING VOLTAGE	400 Vac
WORKING TEMPERATURE	-20..+60 °C
STORAGE TEMPERATURE	-30..+80 °C
TERMINALS	0,2 - 4,0 mm^2 (24 - 12 AWG)
MATERIAL	Polyamide
WEIGHT	315 g

ACCESSORIES	CODE
3-SENSOR VISIBLE WATER LEVEL CONTROL	**CLV**
3-SENSOR BUILT-IN WATER LEVEL CONTROL	**CLP**
FLOOR OVERFLOW WITH 3-SENSOR WATER LEVEL CONTROL	**TPPCL**
BUILT-IN OVERFLOW WITH 3-SENSOR WATER LEVEL CONTROL	**SCP**
50 VA 12-0-12 TRANSFORMER	**T2450**