

MODEL IQ-110 & 112 LIQUID LEVEL CONTROLLER

- ! Programmable Relay Action
- ! Programmable Response Time
- ! Adjustable Sensitivity
- ! Made in South Africa
- ! Easy Installation
- ! Low Cost
- ! Plug In

The Model IQ-110 liquid level controller is designed to control the level of an electrically conductive liquid (such as tap water) by measuring the conductivity between electrodes immersed in the liquid.

The signal applied to the electrodes is 12V DC which is reversed at a very low frequency to minimise plating of the electrodes. Using a low frequency signal instead of the usual 50Hz has the added advantage that cable runs can be longer before cable capacitance has any effect. Cable runs in excess of 500 metres are no problem.

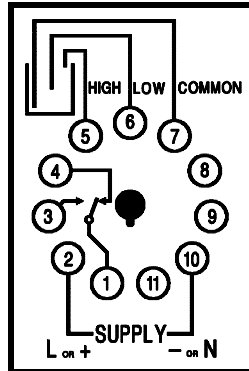
The unit can be used for both two and three probe applications. In the three probe configuration the difference in height between the high and low probes sets the hysteresis of the control system. In the two probe mode the programmable time delay allows ripples in the liquid to be ignored.

Two sensitivity ranges are provided to enable the unit to be optimised for all applications from effluent to distilled water.

The action of the SPDT relay can be programmed for filling or emptying. A version with a DPDT relay is also available. (Model No. IQ-112).



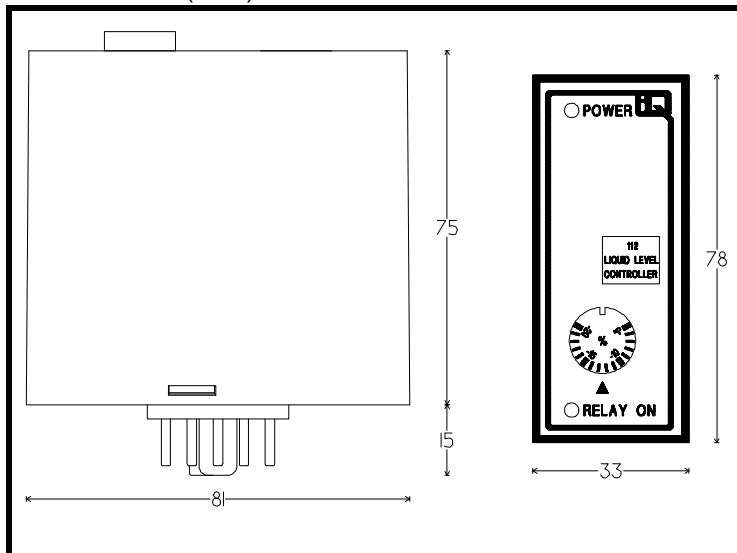
CONNECTIONS



SPECIFICATIONS

SENSITIVITY	10K - 100Kohms 10K - 1Mohm.
RESPONSE TIME	SLOW 5secs. NORMAL 1sec. FAST 0.1sec.
POWER SUPPLY Options	24V 50/60Hz. 115V 50/60Hz. 230V 50/60Hz. 400V 50/60Hz. 12V DC 24V DC
POWER CONSUMPTION	3VA approx.
TEMPERATURE LIMITS	-5/+60°C
HUMIDITY LIMITS	0-90% RH non condensing
RELAY RATING Model 110	10A 400VAC 2500VA 10A 30VDC
RELAY RATING Model 112	5A 250VAC 1250VA 5A 30VDC

DIMENSIONS (mm.)



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