

MODEL 150 CONDUCTIVITY SWITCH

FEATURES

- ! **Made in South Africa**
- ! **A.C. Signal on Probes**
- ! **Power & Relay LEDs**
- ! **Low Cost**
- ! **Plug In**

The Model 150 is a simple, low cost conductivity switch for applications where solution temperature remains reasonably constant.

A low voltage sine wave signal is applied across two electrodes and the resistance measured is compared with an adjustable set point on the front of the module.

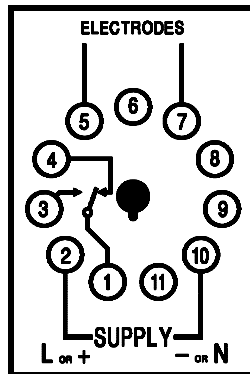
When the conductivity of the liquid exceeds the set point the relay energises. When the conductivity falls 10% below this value the relay de-energises.

This unit can be factory calibrated to work with most standard, and many non standard electrodes. Suitable electrodes are available from manufacturers like Phoenix Electrode Company.

Setting is usually performed using a reference solution with a conductivity equal to the set point required.



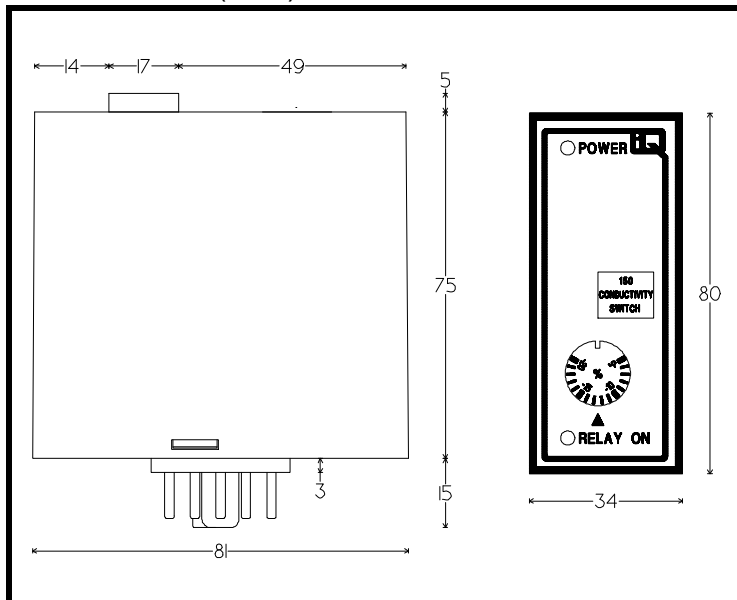
CONNECTIONS



SPECIFICATIONS

SUPPLY	230V AC $\pm 15\%$ 115V AC $\pm 15\%$ or to Customer Order
RELAY RATING SPDT (Max.)	10A 400VAC 2500VA 10A 30VDC
POWER CONSUMPTION	3VA approx.
TEMPERATURE LIMITS	-5/+60°C
HUMIDITY LIMITS	0-90% RH non condensing
BASIC ACCURACY	Repeat $\pm 0.5\%$ Typical
ELECTRODE CELL CONSTANT	To Customer Order
RANGE	500 ~ 5000 μ S approx. or to Customer Order

DIMENSIONS (mm.)




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