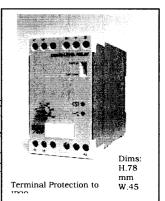
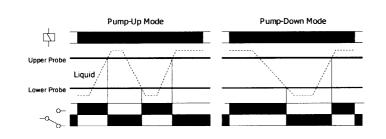
45225 Type:

Level Control Relay (Pump Up, Pump Down)

The unit is designed to control the maximum and/or minimum levels of conduct selectable via front switch). When power is applied, the green "supply on" LED w "Pump-Up" mode, the relay energises and the red LED illuminates when the leve lower level probe then de-energises (red LED extinguishes) when the level rises a level probe. In the "Pump-down" mode, the relay de-energises when the level dro level probe then re-energises when the level rises above the upper level probe.



TIMING DIAGRAM

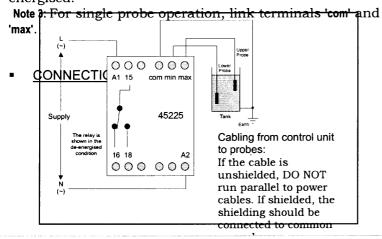


INSTALLATION AND SETTING

BEFORE INSTALLATION, ISOLATE THE SUPPLY. Connect the supply and the probes as shown in the diagram below. Set the 'sensitivity' adjustment to minimum. Immerse both probes in the liquid to be monitored then apply power and the green 'supply on' LED should illuminate. Rotate the 'sensitivity' adjustment until the relay changes state. Remove the probes from the liquid and the relay should change state again. Now set the 'sensitivity' adjustment midway between the setting obtained and maximum. This should now be the correct setting for the liquid. Finally, set the switch to 'pump-up' or 'pump-down' as required.

Note 1: If using a metal tank, connect terminal 'com' and earth to the tank

Note 2: If the supply is interrupted for $\leq 0.5S$ in the 'pump-up' mode, the relay will energise immediately. In the 'pump-down' mode, the relay will remain deenergised.



TECHNICAL SPECIFICATION

Supply Voltage Un:

24, 110, 230, 400V

AC 48 - 63Hz

Supply Variation:

85 - 115% of Un Over voltage cat. III

Isolation: (IEC 664)

Power

Consumption: 1.5VA Inter-Electrode

≈ 17V AC

Voltage: Operate

Resistance:

5 to 100K Ω

Release Resistance:

 $\approx 7.5 \text{K}\Omega$

Response Time: High Level - 100mS

Low Level - 500mS

Maximum Cable

Length:

100 metres (control

unit to probes

see note with connection

diagram) Ambient

Temperature: -20 to +60°C

Relative Humidity:

+95%

Contact Rating: SPDT

250V AC 10A AC 1

(2500VA)

250V AC 6A AC 15

25V DC 10A (250W) DC 1

Electrical Life: Minimum 150,000 ops at

rated load

Housing:

Orange flame

retardant UL94 VO

Weight:

224g approx.

Mounting Option:

Onto 35mm

symmetric DIN rail

to BS5584:1978 (ENSO 002, DIN 46277-3)

Terminal

Conductor Size:

Max 2 x 1.5mm²

stranded (terminated)

