

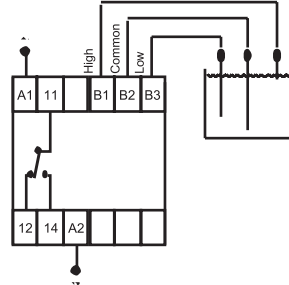


Liquid Level Relay (Single or Dual Level)

AC 130



WIRING EXAMPLE



Application Examples

- Level control of conductive liquids.
- Borehole pump control.
- Filling and draining of tanks and reservoirs.
- Control of sewerage pumps.
- Dosing of liquids chemicals or fertilisers.
- 2-wire remote stop-start control over extended distances.
- Monitoring and controlling of processes in conjunction with Light Dependent Resistors (LDR)

ORDERING CODE

TYPE	SUPPLY VOLTAGE	AC/DC	RELAY CONTACTS
AC130	230	A	S

Technical Specification

Power Supply:

AC: 24, 110, 230 (ie. 220-240), 400 (ie. 380-415) V ±15%
Isolation (probe input to power supply): 2kV

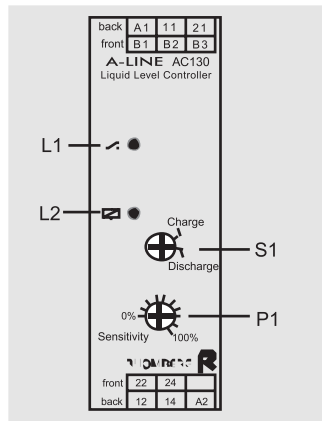
DC: 12, 24, 48, 60, 110V ± 15%
Isolation (probe input to power supply): no galvanic isolation.

Level Sensing Input:

Sensitivity: approx. 0 - 100k ohm (adjustable)
Probe voltage: 4VAC
Probe frequency: 100Hz
Response time: 0.5 second

Maximum recommended cable length between AC130 relay and conductive probe: 300 metres

Description of Controls



L1: The red "Relay ON" LED marked illuminates when the relay is energised.

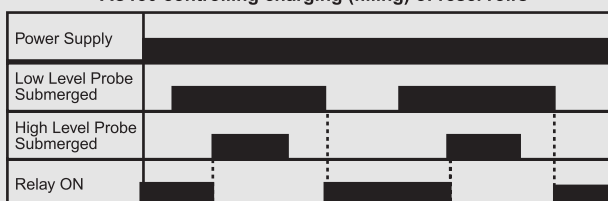
L2: The green "Power ON" LED marked illuminates when power is supplied to the unit.

S1: The **Mode of Operation** is selected on S1. If set to "charging" the unit provides fail-to-safe filling of reservoirs. If set to "discharging" the unit provides fail-to-safe draining of reservoirs.

P1: The **Sensitivity** of the liquid sensing input is adjusted on P1. Turning P1 clockwise increases the sensitivity.

Operational Diagrams

AC130 controlling charging (filling) of reservoirs



AC130 controlling discharging (draining) of reservoirs

