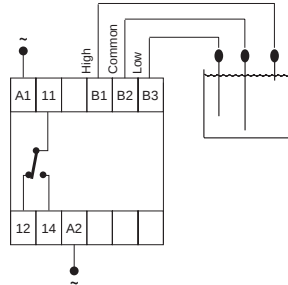




WIRING EXAMPLE



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 $\pm 15\%$
Isolation (probe input to power supply): 2kV

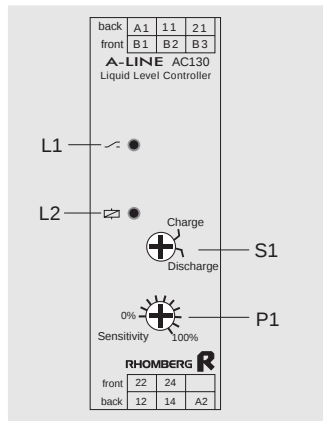
DC: 12, 24, 48, 60, 110V $\pm 15\%$
Isolation (probe input to power supply): no galvanic isolation.

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

Power Supply	ON
Low Level Probe Submerged	ON
High Level Probe Submerged	ON
Relay ON	ON

AC130 controlling discharging (draining) of reservoirs

Power Supply	ON
Low Level Probe Submerged	ON
High Level Probe Submerged	ON
Relay ON	ON