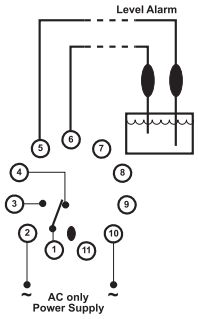
RHOMBERG

Switching Relay for Resistive Sensors (Single Point Level Control Relay)

SC 100

WIRING EXAMPLE
(requires optional S3-B base)



SLIMLINE

Application Examples

- Single-point level control of conductive materials.
- High or low level alarm for conductive materials.
- Daylight switch or flame detector in conjunction with Light Dependent Resistors (LDR).
- Detection of the absence of condictive liquids in metal pipes (boiler systems).
- Safe, low voltage, remote stop or start control over extended distances.
- Detection of rain, drizzle or mist to close roofs in natural ventilation applications.

ORDERING CODE

TYPE		SUPPLY VOLTAGE	AC/DC		RELAY CONTACTS
SC100	/	240	AC	-	S

Note: Use SC130 relay for high & low level control, or for DC

Technical Specification

Power Supply:

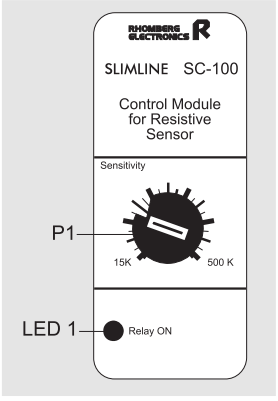
AC: 12, 24, 110, 240 (ie. 220-240), 400, 415, 525V ±15%
Note: Use SC130 relay for DC applications

Isolation (probe input to power supply): 2kV

Probe Input:

Sensitivity: approx. 15 - 500k ohm (adjustable)
Probe voltage: 12VAC
Probe frequency: 50Hz

Description of Controls



P1: **The Sensitivity of the Probe** is adjusted on P1. Turning P1 clockwise increases the threshold resistance at which the relay switches.

LED 1: The LED marked "**Relay ON**" illuminates when the relay is energised.

Operational Diagrams

Example of SC100 Operation