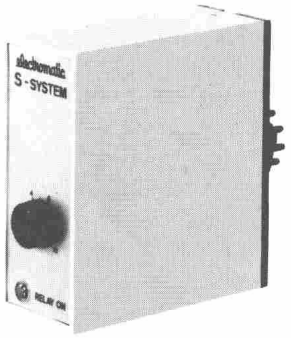


SE 135
Knob-adjustable

SE 135

- **Relay for various variable resistors or diodes.**
- **Resistance value: 50 Ω to 500 KΩ.**
- **Knob- or external resistor adjustable.**
- **3 different types of temperature sensors with temperature ranges: −25°C to + 250°C.**
- **10 A SPDT output relay.**
- **LED-indication for relay on.**
- **AC- or DC supply voltage.**

SPECIFICATIONS

Common technical data and ordering key
Pages 10–12.

Measuring range
2 measuring ranges:
50 - 5000 Ω.
0.5 - 500 KΩ.

Hysteresis
< 1 %.

Measuring voltage
Ranges:
50.0 – 5000 Ω: 1.4 VDC
0.5 – 500 KΩ: 8.2 VDC

Pin 5 positive.
Pin 7 negative.

Frequency
Max. 1 pulse/s.

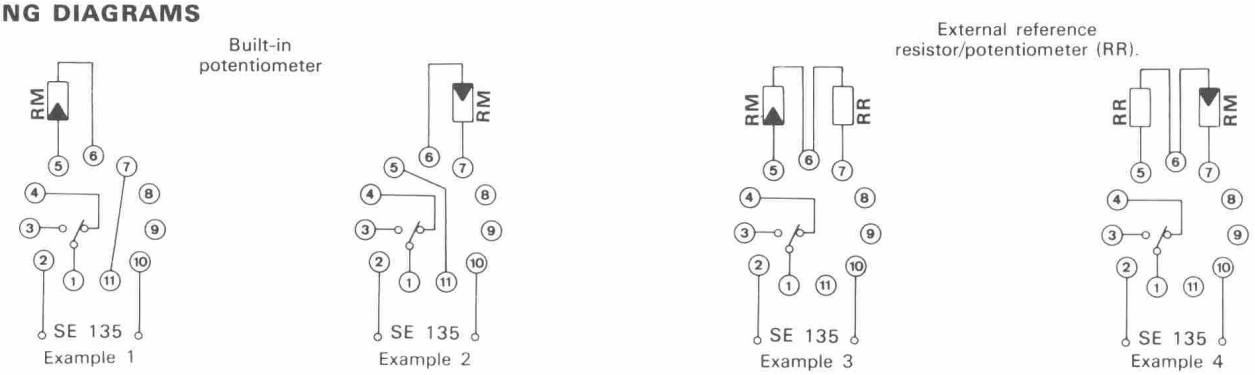
Measuring resistor (RM)
All types of variable resistors or diodes, e.g. photo-, thermo-, magnetic- and humidity resistors where the working range is inside the measuring range of the relay.
N.B. Ensure correct polarity of diodes.

Reference resistor (RR)
Either the built-in potentiometer or an external resistor/potentiometer (1/4 W) are used for reference.
Alternatively, a fixed resistor with high ohmic value and a potentiometer with low ohmic value, connected in series, are used to achieve more accurate setting.

Accessories
Bases.
Hold down spring.
Mounting rack.
Base covers.
Front mounting bezel.

Remote potentiometer kit.
Temperature sensors, type ETS 1, ETS 2 and ETS 3.
See catalogue on accessories.

WIRING DIAGRAMS



MODE OF OPERATION

Example 1: The relay operates when the measuring resistor (RM) is greater than the adjustment of the built-in potentiometer.

Example 2: The relay operates when the measuring resistor (RM) is less than the adjustment of the built-in potentiometer.

Example 3: The relay operates when the measuring resistor (RM) is greater than the reference resistor (RR).

Example 4: The relay operates when the measuring resistor (RM) is less than the reference resistor (RR).

°F = (°C × 1.8) + 32.

OPERATION DIAGRAM