

SE 170 =
11-pin circular plug

SE 170

- * Differential relay for servosystems.
- * For remote setting with 2 slide- or turn-potentiometers.
- * Suitable in all slow-moving motor-operated appliances, e.g. dentist's chairs.
- * 10 A SPDT output relay with neutral centre position.
- * LED indications: both relay positions.
- * AC or DC power supply.

SPECIFICATIONS

Controlling potentiometer (P 1)

Value:
Min. 1000 Ω.
Max. 5000 Ω.

Reference potentiometer (P 2)

Min. 1000 Ω.
Max. 5000 Ω.

Hysteresis
< 1%.

Difference
Approx. 2%.

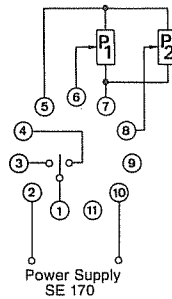
Measuring voltage
4.7 VDC.
Pin 5 positive.
Pin 7 negative.

Ordering key
11-pin circular plug
SE 170 XXX = 10 A SPDT

XXX = power supply
024 = 20- 28 VAC
115 = 95-135 VAC
230 = 195-265 VAC
724 = 20- 28 VDC

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

WIRING DIAGRAM



MODE OF OPERATION

Differential relay for controlling servo-systems by 2 external potentiometers.

The relay operates as a feedback relay, i.e. if the settings of the two potentiometers are identical, the relay is in its centre position.

If P 1 is turned clockwise (down-wards), the contact between pins 1 and 3 will connect, until P 2 is turned to the same position.

If P 1 is turned counterclockwise (upwards), the contact between pins 1 and 4 will connect, until P 2 is turned to the same position.

When interrupting the power supply the relay returns always to the neutral centre position.

OPERATION DIAGRAM

