

Current Monitoring Relay 0-200 mA AC (RMS)/DC 60 mV/150mV (DC shunt) 0-5V AC (RMS)/DC

SP 104



Current Input:

accuracy: 1%.

5% to 30% (adjustable)

Repetitive

Hysteresis:

Power Supply:

AC: 12, 24, 110, 240 (ie. 220-240), 400, 415, 525V ±15% DC: 10-30V, 48, 60, 110V ± 15%

Response:

Start-up delay: approximately 10 seconds, standard. Time delay on trip: adjustable from 0,1 to 10 seconds.

Description of Controls



- P1: **Hysteresis** ie. the difference between the tripping point and the recovery point is set between 5% and 30% on P1. (Hysteresis relates to the setpoint of P2)
- P2: **The Current Threshold** (tripping point) is adjusted on P2. Maximum setting of 100% corresponds with a current (millivolt) level selected on S1.
- P3: Adjustable time delay on trip from 0,1 to 10 seconds.
- S1: The Input Range is set on S1.

S2: **Function** Selection is provided by S2. If set to "OL" the unit operates as an overload detector. If set to"UL" the unit operates as an underload detector.

Input Im-

pedance

60 ohm

3 ohm 0.7 ohm

10k ohm

10k ohm

10k ohm

Range

1mA

20mA 200mA

60mV

5mV

150mV

Max. Input

60 mA

350 mA

800 mA

50 V

50 V

50 V

(continuous)

LED 1: The LED illuminates to indicate that the relay is energised. The LED will be off if the unit registers a fault condition (overload/underload) or the power supply to the unit is interrupted.

Operational Diagrams



