

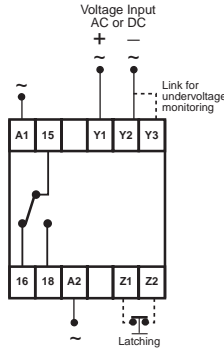


Voltage Monitoring Relay Single Phase AC(rms) / DC

P200P



WIRING EXAMPLE



Application Examples

- Automatic control for the charging cycle of battery chargers.
- Monitoring voltage on Tachogenerators for over-speed.
- Monitoring the discrimination voltage between neutral and earth to ensure that the neutral does not 'float'.
- Monitoring voltage supplies from voltage transformers in control panels.
- Monitoring the battery voltage on underground locomotives for recharging purposes.
- Monitoring system trip circuits on high voltage switchgear.
- Monitoring conditions of fuses which are not accessible.

ORDERING CODE

TYPE	SUPPLY VOLTAGE	AC/DC	RELAY CONTACTS	Fn
P200PD	230	A	S	3

Technical Specification

Power Supply:

AC: 12, 24, 115, 230 (ie. 220-240), 400 (ie. 380-415)V ±15%
 DC: 12, 24, 48, 60, 110V ± 15% (no galvanic isolation)

Response:

Time delay on trip & recovery (one adjustment, ie. trip time = recovery time): adjustable from 0,1 to 10 seconds.
 Latching disabled during power-up: approx. 10 seconds.

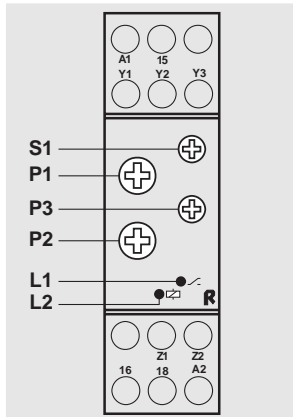
Voltage Input:

Repetitive accuracy: 1%.

Hysteresis: 5% to 30% (adjustable)

Range	Input Impedance	Max. Input Voltage
1.5-15V	500k ohm	700V
3-30V	500k ohm	700V
6-60V	500k ohm	700V
15-150V	500k ohm	700V
30-300V	500k ohm	700V
60-600V	500k ohm	700V

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 set-point of P2)

P2: The Voltage Setpoint (tripping point) is adjusted on P2. Maximum setting of 100% corresponds with the voltage selected on S1.

P3: Adjustable Time Delay on Trip & Recovery is adjusted on P3 from 0,1 to 10 seconds. As there is only one adjustment, the time set is the same for time delay on trip and on recovery

S1: The Voltage Range is set on S1.

L1: The yellow "Relay ON" LED illuminates to indicate that the relay is energised. The LED will be off if the unit registers a fault condition (overvoltage/ undervoltage) or the power supply to the unit is interrupted.

L2: The green "Power ON" LED illuminates to indicate that power is supplied to the unit, and flashes during the start-up delay. (The LED flashes regardless of whether latching is enabled or disabled).

Operational Diagrams

