Special Tachometer Relay TR3A

- Monitor speed of machinery
- Relay switches on when pulse rate exceeds set point
- Proximity switch or contact input
- Relay output - 8 amp @ 230 VAC/ 24VDC
- 10 - 24 VDC power input for automotive use
- 4 selectable ranges
- Pulse rates from 250 to 50000 pulses per minute

DESCRIPTION

The TR3A tachometer relay can be used to monitor any rotating or reciprocating machinery by using a sensor or switch and will provide an alarm output when the signal rate is exceeds the set point which can be in the range of 250 to 50000 pulses per minute. To prevent relay "chatter" at speeds near the set point fixed hysterisis is used'
The TR3A is supplied in a plastic enclosure with a mounting plate to enable it to be secured with 3 fixing points to a flat surface.

MODE OF OPERATION

TR3A

The TR3A accepts pulses to the input of the instrument. The rate of theses pulses is measured and compared with the selected set value. While the pulse rate exceeds the set value the relay will be energised and will be de-energises when below.
The input requires a sensor with an NPN type output or switch to pull the input to 0V.
The pulse input range is selected with a 4 way DIP switch and the set point within this range is set using a potentiometer. Access to both switch and potentiometer requires the removal of the box lid.

Connection to the TR3A are made to a removable 8 way screw terminal block.

DIMENSIONS

Enclosure only: 120mm x 65mm x 40mm
Including fixing plate 135mm x 100mm x 43mm

Material: Grey ABS