

# ANALOGUE PROCESS CONTROLLERS

## TR4800 TACHOMETER RELAY



- 3 models for 5 to 10,000 rpm
- High speed response to input
- 1mA meter output to display rpm
- Internal 15Vdc sensor supply

The TR4800 series tachometer relay will switch its output at the speed selected on the front dial. The units are designed to match the styling of the TC4800 temperature controllers and TT4800 Timers. They offer a fast reaction time of <0.4sec at 150rpm, have an internal supply to power active sensors and a meter output to display the measured speed. The range consists of three models covering speeds from 5 to 10,000 rpm.

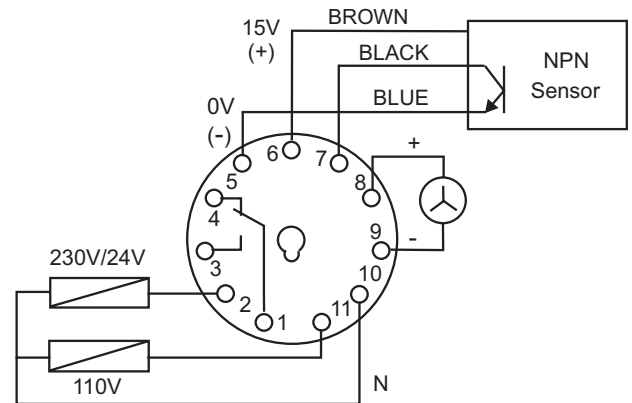
### SPECIFICATION

Supply voltage: 110/230(220-240)Vac @ 50/60 Hz or 24Vac/dc  
 Power drain: 3VA or 2 Watts max.  
 Scale accuracy: +/- 2% of full scale  
 Sensing ranges: 01: 5 to 100 rpm  
 02: 50 to 1000 rpm  
 03: 500 to 10000 rpm  
 Min pulse width: 01: 1.5msec  
 02: 150µsec  
 03: 15µsec  
 Input sensor: Any volt-free contact or 3-wire active sensor with a power consumption of < 25mA at 15Vdc. Ask for details of our SC and SI sensor ranges.  
 Output rating: SPCO relay rated at 5A/240Vac or 30Vdc resistive  
 Electrical life: 100,000 ops at rated load  
 Meter output: 1 mAmp fsd at 75 ohms  
 Ambient range: -10 to 60°C non-condensing  
 Approvals: Conforms to CE emc EN50081-1 & EN50082-1 and low voltage EN61010-1 directives  
 Weight: 200gms

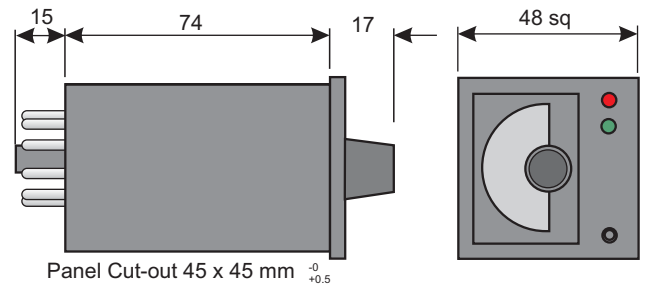
### Part Numbering Options : TR4801 - A - B

|   |              |   |                |
|---|--------------|---|----------------|
| A | Range        | 5 - 100 rpm<br>50 - 1000 rpm<br>500 - 10000 rpm | 01<br>02<br>03 |
| B | Power supply | 110/230Vac<br>24Vac/dc                          | 110/230VAC     |

### CONNECTION DIAGRAM



### DIMENSIONS



### STANDARD ITEMS

| Speed range                 | Part Number          |
|-----------------------------|----------------------|
| 5 - 100 rpm                 | TR4801-01-110/230VAC |
| 50 - 1000 rpm               | TR4801-02-110/230VAC |
| 500 - 10000 rpm             | TR4801-03-110/230VAC |
| Wiring socket - panel mount | AZ511                |
| Wiring socket - DIN rail    | AZ611                |

For further details of wiring sockets and sensors please contact our sales office.