

PT100 TEMPERATURE RELAY WITH BUILT IN "NO VOLT SAFE LATCH" PLUS MANUAL & REMOTE RESET

PRODUCT GROUP
D

TYPE: YWR2TR7 (dpc0)

FEATURES

- Din rail mounted
- DPCO output
- Adjustable range 0°C to 200°C
- Manual reset
- Remains latched on loss of supply after fault
- Dual LED indication
- Isolation via transformer

DESCRIPTION & MODE OF OPERATION

PT100 temperature relay, din rail mounted and DPCO output. The adjustable temperature sensing relay YWR2TR7 will monitor a PT100 sensing probe (preferably 3 wire, but 2 wire possible if terminals P2 & PC are linked together). The adjustable range is 0°C to 200°C the output relay will be energised when below the set level, indicated also by a red LED. When the sensed temperature exceeds the set level the relay will be de-energised accompanied by the red LED extinguishing, at which point the relay will be "latched off". In this latched condition the YWR2TR7 will not reset on a failing temperature and will not be reset by removing and re-applying the auxiliary supply. In order to reset the YWR2TR7 the auxiliary supply must be on, the PT100 cold, then the front reset button can be operated or the remote reset input activated to re-energise the relay. In normal "no fault" operation the relay will energise on the connection of the auxiliary supply. **Newly installed units may need to be initially reset on commissioning, transit shock can cause the relay to latch over.**

SPECIFICATIONS

Supply & Measuring

Nominal supply tolerance: ± 15%
 Isolation AC versions: Via transformer
 Isolation DC versions: None
 PT100 sensor: 3 wire preferred
 If 2 wire terminals P2 & PC must be linked

Operating level: 0°C to 200°C adjustable

Operation delay on Thermistor operation: 0.5 sec

Relay output

Output contacts: DPCO 8Amps/250V AC1
 Mechanical life: 30 Million ops
 Electrical life: 200K ops at max rated load

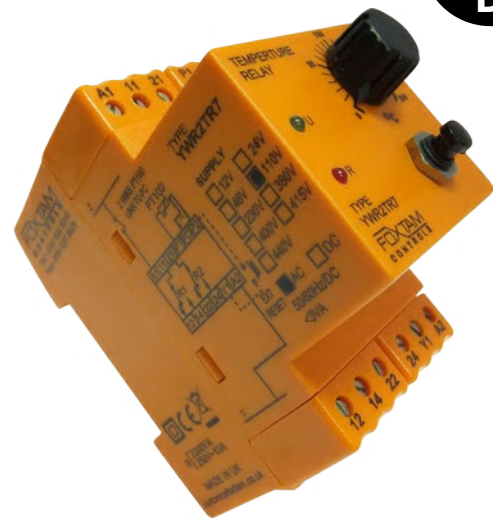
General

Operating temperature: -20°C to +65°C
 Storage temperature: -20°C to +65°C
 Max cable size: 4mm
 CE marked: Yes
 In accordance with: EN61000-6-1: 2007
 EN61000-6-3: 2007
 EN61010-1: 2002
 Housing material: Polycarbonate, Auto extinguishable to UL 94 V-0

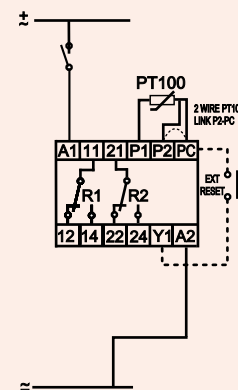
ORDERING INFORMATION

TYPE	COIL VOLTAGE		
YWR2TR7	440VAC	230VAC	*48VDC
	415VAC	110VAC	*24VDC
	400VAC	48VAC	*12VDC
	380VAC	24VAC	

* No isolation on DC versions



CONNECTIONS



FUNCTION

