

THERMISTOR MONITORING RELAY WITH BUILT IN "NO VOLT SAFE LATCH" PLUS MANUAL & REMOTE RESET

PRODUCT
GROUP
D

TYPE: YWR2TC7 (dpcO)

FEATURES

- Din rail mounted
- DPCO output
- Manual reset
- Remains latched on loss of supply after fault
- Option Klixon version
- Dual LED indication
- Isolation via transformer

DESCRIPTION & MODE OF OPERATION

Thermistor monitoring relay, din rail mounted and DPCO output. The relay will monitor a series circuit of up to 6 thermistors having a total "healthy" resistance not exceeding 1500 Ohms, the output relay will be energised indicated also by a red LED. Should overheating occur the individual resistance of a thermistor will rapidly rise above 3.3 KOhms at which point the normally energised relay will de-energise, accompanied by the red LED extinguishing, at which point the relay will be "latched off". In this latched condition the YWR2TC7 will not reset when the thermistor cools down and will not be reset by removing and re-applying the auxiliary supply. In order to reset the YWR2TC7 the auxiliary supply must be on, the thermistors 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.**

Also available is a Klixon switch input option, **short circuit protection is omitted on versions for use with Klixon switches**



SPECIFICATIONS

Supply & Measuring

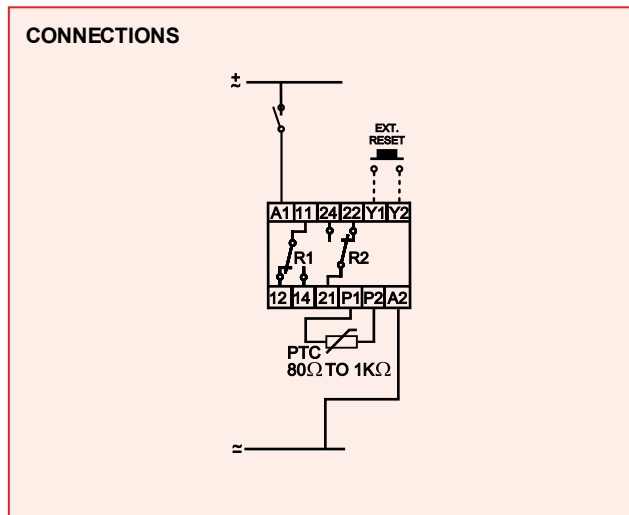
Nominal supply tolerance:	±15%
Isolation AC versions:	Via transformer
Isolation DC versions:	None
Operating level:	3.3 KOhms ±5%
Reset level:	1.8 KOhms ±10%
Max cold resistance of detection circuit:	1500 Ohms
Max No. of PTC sensors:	6
Sensor voltage:	2.5V DC max
Short circuit detection:	30 Ohms ±20%
Operation delay on thermistor operation:	0.5 sec

Relay output

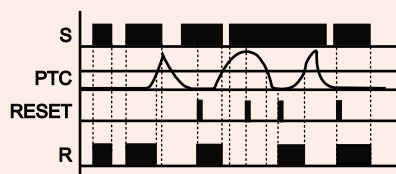
Output contacts:	DPCO 8Amps/250V AC1
Mechanical life:	30 Million ops
Electrical life:	200K ops at max rated load

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



FUNCTION



ORDERING INFORMATION

TYPE	KLIXON	COIL VOLTAGE		
YWR2TC7	*T	440VAC	230VAC	**48VDC
		415VAC	110VAC	**24VDC
		400VAC	48VAC	**12VDC
		380VAC	24VAC	

* Insert T if Klixon version is required

** No isolation on DC versions