

0.1-10V DC ADJUSTABLE DUAL SETPOINT RELAY

TYPE: YWRU2T/10VDC (2 x spco)

PRODUCT
GROUP
FF

FEATURES

- Din rail mounted
- Dual setpoint (two stage)
- Ideal HVAC & BMS product
- Dual LED indication

MODE OF OPERATION

Dual setpoint 0.1-10V DC relay. Providing two separately controllable trip levels. With R1 selected as the "High" level and R2 as the "Low" level. When the monitored signal voltage rises above R2 set level R2 relay will energise. If the voltage continues to rise above R1 set level, relay R1 will energise. Conversely as the monitored voltage falls R1 will de-energise, if the fall continues R2 will de-energise. The unit has a built in fixed hysteresis of 2% at each setpoint to avoid relay "chatter". **The YWRU2T does not have a latched option and is therefore "auto" reset on both relays.**

OTHER APPLICATION NOTES

DC Auxiliary Supply Versions

DC auxiliary supply versions are as standard non isolated. For these versions the supply and the measured current must be isolated from each other and must not exceed 50V DC. On request at extra cost isolated versions can be manufactured utilising internally a DC to DC converter.

SPECIFICATIONS

Supply & Measuring

Nominal supply tolerance:	± 15%
Isolation AC versions:	Via transformer
Isolation DC versions:	No as standard or:- Yes via optional internal DC to DC converter
Power consumption:	3VA max
Hysteresis:	Fixed at 2%
Repeat accuracy:	± 2% at constant ambient ± 5% across temperature range
Response time:	100 mSec on make 200mSec on break
Input range:	0.1-10V DC adjustable
Max over voltage:	15V DC permanently
Input impedance:	10 KOhms

Relay output

Output contacts:	SPCO 10Amps/250V AC1
Mechanical life:	30 Million ops
Electrical life:	200K ops at max rated load

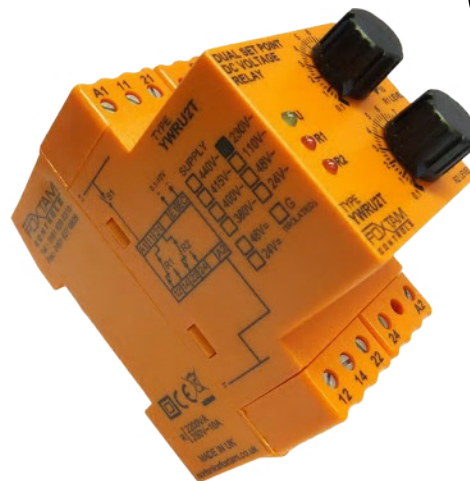
General

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

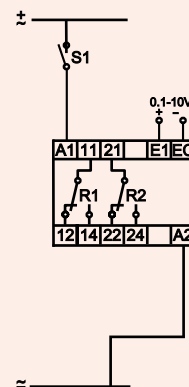
ORDERING INFORMATION

TYPE	COIL VOLTAGE	
YWRU2T/10VDC (Din rail 2 x SPCO)	440VAC	230VAC
	415VAC	110VAC
	400VAC	48VAC
	380VAC	24VAC

* No isolation on DC versions as standard, on request at extra cost isolated versions are available



CONNECTIONS



FUNCTION

