

4-20mA OUT OF RANGE TRIP AMP RELAY

PRODUCT
GROUP
FF

TYPES: YRTP (spno)
8RTP, 11RTP (spco)

FEATURES

- Din rail & plug in version
- Single pole output
- Transformer isolation
- Adjustable time delay 0.1-60sec
- Supply on LED
- Relay Status LED
- CE marked

DESCRIPTION & MODE OF OPERATION

A monitoring relay designed to monitor the integrity of a 4-20mA signal rather than control a process, applications include safeguarding a system against potentially faulty transmitters or transducers where the output could on fault rise above 20mA or fall below 4mA but not reaching zero. Available in either a din rail or 8 & 11 pin plug in housing with a SPCO output (SPNO in the din rail version). The output relay will be energized when the monitored signal is between 4 & 20mA. The output relay will de-energise after an adjustable time delay up to 60 seconds if the monitored signal should fall below 3.5mA or rise above 20.5mA. There is a fixed hysteresis of 0.5mA therefore if the monitored signal falls back within the 4-20mA band the output relay will re-energise. If the auxiliary supply to the relay is lost at any time the output relay if energised will de-energise immediately.

SPECIFICATIONS

Supply & Measuring

Supply voltage:	Dedicated voltage units 24VAC, 110VAC, 230VAC
Supply tolerance:	± 15%
Isolation AC versions:	Via transformer
Power consumption:	3VA max
Hysteresis:	Fixed 0.5mA
Repeat accuracy:	± 2% at constant ambient ± 5% across temperature range
Response time:	10mSec on make Adjustable up to 60 Sec on break
Input range:	4-20mA adjustable
Max over current:	x10 Continuous
Input impedance:	1 ohm

Relay output

Output contacts:	SPCO 8Amps/250V AC1 (Din rail SPNO, Plug in SPCO)
Max breaking capacity:	2000VA
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

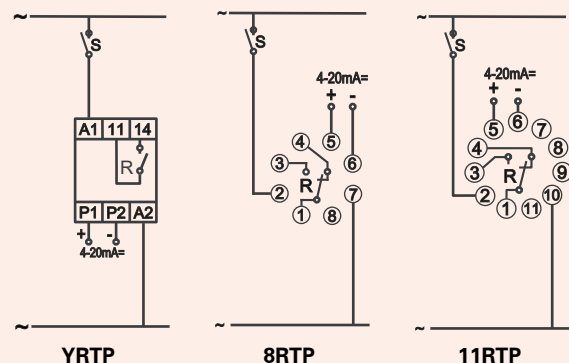
YRTP (Din rail)
8RTP (8 pin plug in)
11RTP (11 pin plug in)

COIL VOLTAGE

230VAC, 110VAC, 24VAC



CONNECTIONS



FUNCTION

