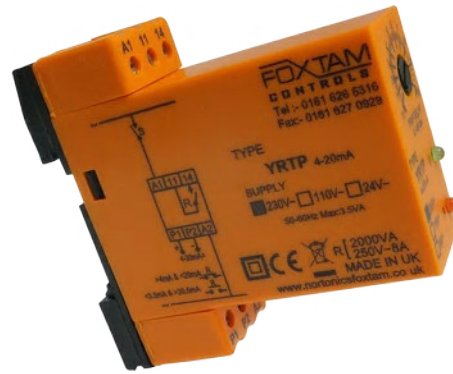


4-20mA OUT OF RANGE TRIP AMP RELAY



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

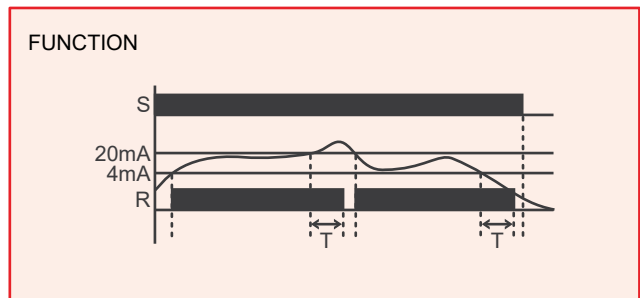
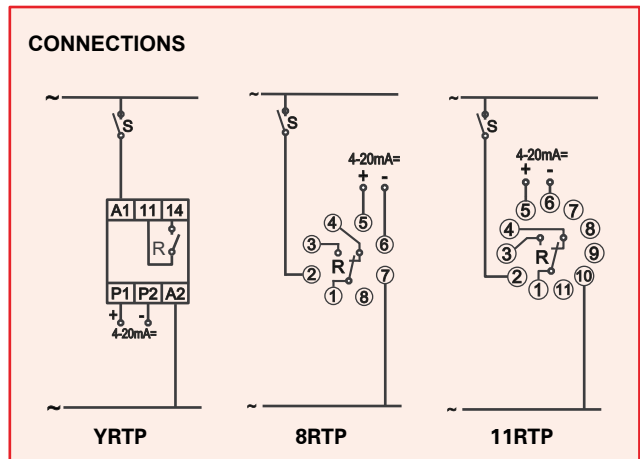


FEATURES

- 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	COIL VOLTAGE
YRTP (Din rail)	230VAC, 110VAC, 24VAC
8RTP (8 pin plug in)	
11RTP (11 pin plug in)	