

IN LINE CURRENT PROVING SWITCH

TYPE: YRI-41

PRODUCT
GROUP
F

FEATURES

- Din rail mounted 22.5mm wide
- Powered from own monitored voltage
- No separate auxiliary supply required
- SPCO relay output rated 8 Amps
- 5 adjustable versions from 1mA to 10Amps
- 4mm terminals
- Dual LED indication
- CE marked

DESCRIPTION & MODE OF OPERATION

The YRI-41 is a direct connected current proving switch available in five different adjustable ranges, 1mA-100mA, 10mA-1A, 30mA-3A, 50mA-5A, 100mA-10A. External current transformers cannot be used with the YRI-41. The current is monitored on its own supply hence a separate auxiliary supply is not required.

Note, the monitored load and the supply voltage must be from the same source and of the same voltage potential, please note carefully the circuit diagram.

On connection of the supply/load the green LED illuminates, should the load exceed the adjustable set point the SPCO relay output will energise and the red LED will illuminate. Should the load then fall below the set level, less than a nominal 1% hysteresis the output relay will de-energise and the red LED will be extinguished.

SPECIFICATIONS

Supply & Measuring:

Measurement ranges:	1mA-100mA, 10mA-1A, 30mA-3A, 50mA-5A, 100mA-10A
Max over current:	100mA version/250mA for 1sec 1A version/2A for 1sec 3A version/5A for 1sec 5A version/8A for 1sec 10A version/15A for 1sec
Hysteresis:	Nominal 1% fixed
Repeat accuracy:	< ±1%
Power consumption:	5VA

Relay outputs:

Output:	Relay SPCO
Rated:	8A/250VAC AC1
Mechanical life:	30 Million ops
Electrical life:	200K at 8A/250VAC

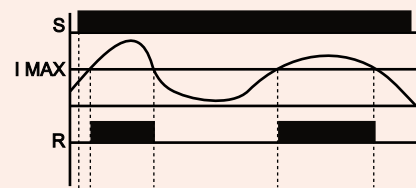
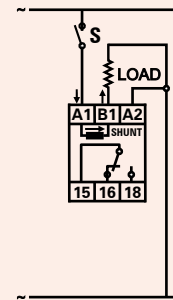
General:

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



**IDEAL FOR HVAC MARKET
FOR SMALL FAN & PUMP
FAILURE MONITORING!
MONITORS DOWN TO mA
LEVELS**

CONNECTIONS



THE YRI-41 CAN BE USED TO MONITOR A 3 PHASE MOTOR BY PASSING ONE PHASE INTO TERMINAL A1 AND OUT ON TERMINAL B1 TO THE LOAD.

THE PANEL NEUTRAL NEEDS TO BE CONNECTED TO A2 EVEN IF THE LOAD DOES NOT HAVE A NEUTRAL CONNECTION.

ORDERING INFORMATION

- TYPE**
YRI-41/1mA-100mA
YRI-41/10mA-1A
YRI-41/30mA-3A
YRI-41/50mA-5A
YRI-41/100mA-10A

As standard units are supplied for a 230VAC potential. On request other potentials are available.

On request other current ranges also available for OEM applications.
On request 8 & 11 pin plug in versions available