

Model 1802 Alarm & Trip Amplifier

- Designed and manufactured in South Africa.
- 1 year warranty.
- Programmable relay action.
- 0-20mA or 4-20mA input – selectable.
- On-board 24V DC to power your loop.
- 11-pin plug in



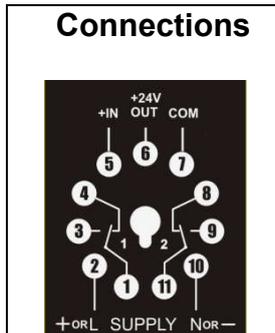
The model 1802 Alarm & Trip unit will accept either a 0-20mA or 4-20mA signal and can be used to provide alarm & trip, interlocking or control functions.

This microprocessor based unit is designed in South Africa using high quality surface mount components which in turn makes it highly reliable with good accuracy and repeatability.

Two independently programmable SPDT relays are provided and these can be programmed to make or break on rising signal depending on the system requirements. A fail safe option allows for the detection of an open loop situation.

There are two set point adjustments on the front of the unit together with three LEDs indicating the status of the relays and power on. The set point adjustments are scaled 0-100%. DIP switches on the back provide for the selection of either a 0-20mA or a 4-20mA input, relay action, open loop detection and a 5 second start-up delay if required. An on-board 24V DC power supply is also provided that can be used to power a 2-wire transmitter.

Connections



SPECIFICATIONS

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INPUT SIGNAL Options	4-20mA or 0-20mA Customer selectable
INPUT IMPEDANCE	Approximately 200ohm
RELAY RATING	7A 250V 1750VA 7A 30V DC
POWER SUPPLY Options	110V 50/60Hz. 230V 50 Hz. 24V DC
POWER CONSUMPTION	3VA approx
TEMPERATURE LIMITS	-5/+60°C
HUMIDITY LIMITS	0-90% RH non condensing
SETTING ACCURACY	5% Typical
REPEATABILITY	< 0.5%.

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