



HAWKER LEVEL CONTROL SYSTEMS

Type 800 Dual Channel Trip Amplifier

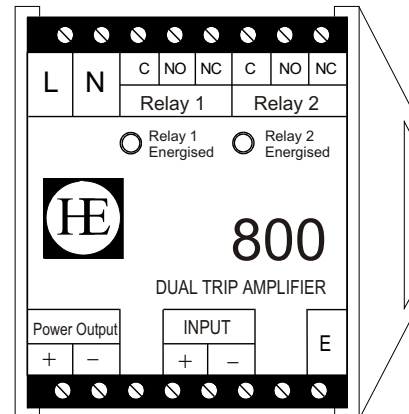
Having Fixed 1% or Variable Differential Options

(Please note that 'Differential' may be read as 'Deadband' or Hysteresis')

Applications

Operating from a single current or voltage process signal, each channel provides voltage free changeover contacts operating at signal levels set at 280° potentiometers. Either of two operating modes can be selected for each channel.

- Suitable for A.C. Mains or D.C. Operation.
- DIN Rail or Surface Mount.
- Input Circuit isolated from Earth and Power Supply.
- DC Voltage Output for energising 2 Wire 4-20mA Transmitter.



Variable Differential Mode

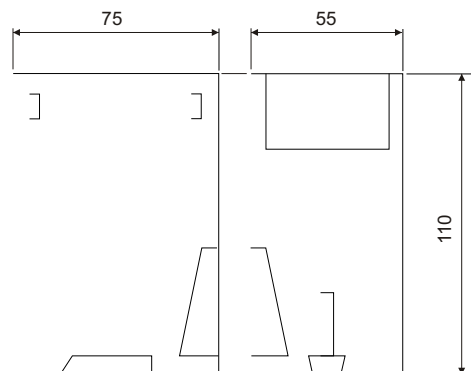
In this mode one potentiometer sets the relay energising point and the second potentiometer sets the de-energising point. The adjustments permit differentials to be set from 5% to maximum. Typical applications would be for pump or valve control and similar applications where On to Off switching action is required over a range of input signal. Fail to Safe action is indicated by Green LED's and is determined by the setting of the de-energised potentiometer in relation to the energised potentiometer: Set above = Fail Safe High; Set below = Fail Safe Low.

Fixed Differential Mode

Having a fixed differential of 1% the trip point is set using the energise potentiometer. The de-energised potentiometer is used to set the required fail safe action: Set to 100% = Fail Safe High; Set to 0% = Fail Safe Low. Typical applications would be for alarm points or control circuits where a single setting potentiometer is required. Green LED's indicate the fail safe action selected and will flash should the de-energise potentiometer not be either 100% or 0%. The finger knob can be removed once the fail safe has been set to avoid uninformed tampering.

Specifications

Inputs:	0-20mA, 4-20mA, 1-5V, 0-10V, 0-100mV Inputs are fully floating and preset at works.
Power Supply:	230V AC 50HZ 800/230 110V AC 50Hz 800/110 24V DC Stabilised 800/24 12V DC Stabilised 800/12
Power Consumption:	7VA power supply preset at works.
Power Output:	24V DC Stabilised
Adjustments:	Single turn potentiometer.
Relays:	Voltage free contacts rated @ 5A, 230V AC non inductive
Reponse Time:	0.1Secs



Because of continuing development we reserve the right to change the specifications without notice

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