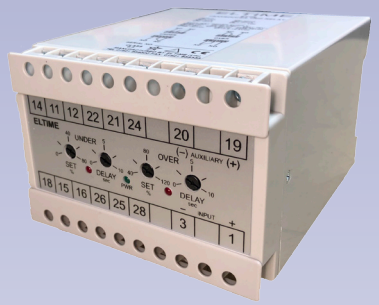

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Transducer Trip Relays

Models Available

ETTR Transducer Trip Relay

Product Features

- Isolated DC mA or DC voltage input
- Adjustable high and low trip points
- Low trip level adjustment 0-80%
- High trip level adjustment 40-120%
- Adjustable trip delay 0.2-10 seconds
- Wide range of power supply options
- LEDs for power and relay status
- DIN rail mounting enclosure
- 3kV rms 50Hz 1 minute isolation between input / output / case / (auxiliary)
- Screw type terminals
- Fingerproof terminal cover included

Transducer trip relays monitor either a DC mA or DC voltage signal, typically from a transducer output, and provide user adjustable high and low trip points, each with an adjustable 0.2-10 second time delay setting.

The low and high trip points can easily be set by the user with the aid of a small screwdriver and are adjustable from 0% to 80% and 40% to 120% of the nominal rated input.

The transducer trip relays are available powered from a large choice of AC or DC auxiliary power options. The double pole changeover relay outputs are set to de-energise in the under condition ensuring the trip relays are failsafe. A green LED indicates the unit is powered and red LEDs indicate the status of the high and low relay outputs.

For monitoring of DC mA or voltage signals with user adjustable trip points

Specification

Reference Standard:
- EN 60255-6, EN 60255-27, EN61000-6-2, EN61000-6-4

Input Current, *In*:
- 0-1mA, 0-5mA, 0-10mA, 0-20mA, 4-20mA (1 Volt drop)

Input Voltage, *Un*:
- 0-50mV, 60mV, 75mV or 100mV
- 0-1Vdc to 0-50Vdc (specify) or 1-5Vdc (Impedance 10kohm/volt)

Overload:
- 1.2x*In*, 1.2x*Un* continuous
- 1.5x*In*, 1.5x*Un* for 10 seconds

Setpoint Range:
- Low: 0 - 80% (adjustable)
- High: 40 - 120% (adjustable)

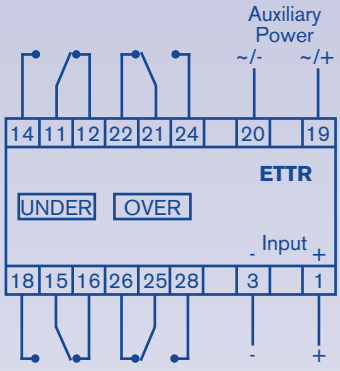
Setpoint Repeatability:
- <0.5% of full span

Trip Time Delays:
- 0.2 to 10 seconds (adjustable)

Differential:
- Fixed 2%

Output Relays:
- 2 pole changeover
- 8A at 250Vac/30Vdc
- 1,000,000 operations at 5A
- 1kV isolation between contacts

Connections



Ordering information

Model	Code	Description
	ETTR	Transducer Trip Relay

Input	Code	Description
	X1	0-1mA
	X5	0-5mA
	X10	0-10mA
	X20	0-20mA
	XA	4-20mA
	XV	Voltage (specify up to 50Vdc)

Auxiliary Power	Code	Description
	E1	110Vac (±20%)
	E2	230Vac (±20%)
	E4	63.5Vac (±20%)
	E5	24Vdc (±20%)
	E6	48Vdc (±20%)
	E7	110Vdc (±20%)
	E8	24Vac (±20%)
	E9	12Vdc (-10% to +20%)

Example **ETTR - X10 - E1**

Specification

Auxiliary Power:
- 24/63.5/110/230Vac @ 50/60Hz (3VA)
- 12/24/48/110Vdc (<3Watts)

Enclosure:
- Grey ABS plastic with finger proof terminal covers

Mounting:
- 35mm DIN rail (DIN-EN 50022)

Enclosure Code:
- Case IP50, terminals IP10

Isolation:
- 3kV rms 50Hz 1min (to IEC 414) between input / output / case / AC aux.

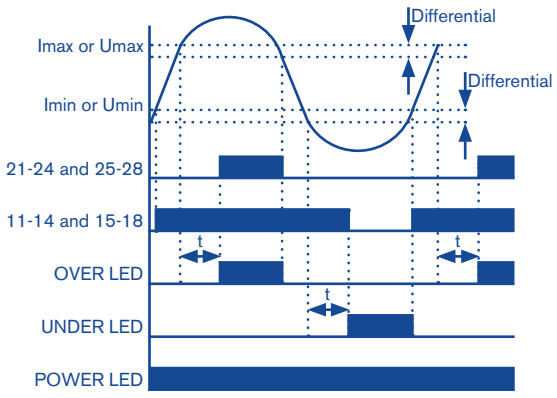
Operating Temperature:
- -20 to +55°C

Storage Temperature:
- -30 to +70°C

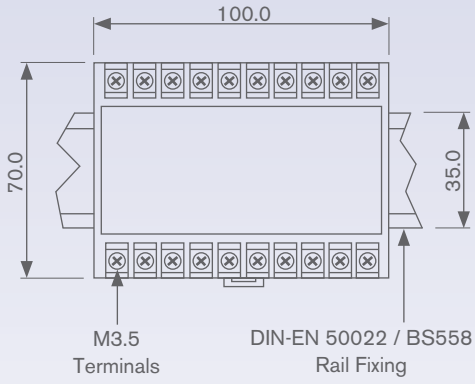
Weight:
- 400g

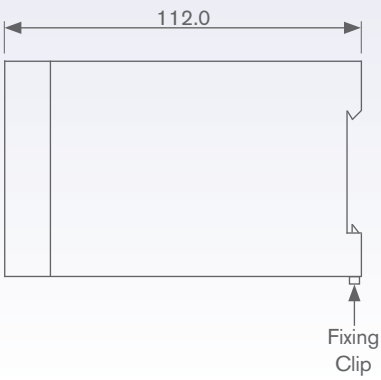
Markings:
- CE marked

Characteristics



Dimensions





All dimensions in mm