

AEC222 Temperature RTD Signal Trip-Transmitter/Isolator

- Suitable for 2/3-wire PT100 RTD input
- Non-Smart/Non-uProcessor based, Type A instrument
- True universal AC/DC supply voltage 21V through to 265V AC/DC

Technical Specifications

Input

From 2 or 3 wire RTD sensor (PT100) with a span greater than 25°C

Analogue Output

The standard output signals are 4-20mA, other ranges are available on request.

The current source can be up to 20mA with a drive voltage of 13V.

The voltage source can be up to 10V's, maximum drive 20mA.

The output current is configured as a source port as standard.

Input O/C Response: Downscale drive / 0mA

Relay Output

Trip gives set of C.O. contacts, rated at 250V AC 2A, 100VA resistive Green LED Trip status indicator.

Trip set point adjustment by a 15-turn blindest potentiometer.

Test Point (SP) to monitor trip Set Point setting.

0-100% = 0.2 to 1V, with reference to input 0V.

Hysteresis set by a 15 turn potentiometer (1 to 4% max)

Jumper settings

User friendly DIL switches & Jumper links to change original factory settings.

1. Relay mode on Power Loss, N/C or N/O (J6A)
2. Trip on High or Low input signal level: (S1)
3. Relay Energised or De-energised on Trip (S3)
4. Relay status LED On or Off in Trip state (S3)

Accuracy/Linearity

<±0.1% Span.

Supply

Burden on supply 3W

Isolation

1000Vdc Input/Output/Contacts/Supply

Environmental Conditions

Storage Temperature: -20°C to +70°C

Operating Ambient: -10°C to +55°C

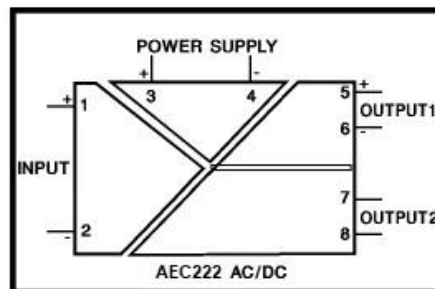
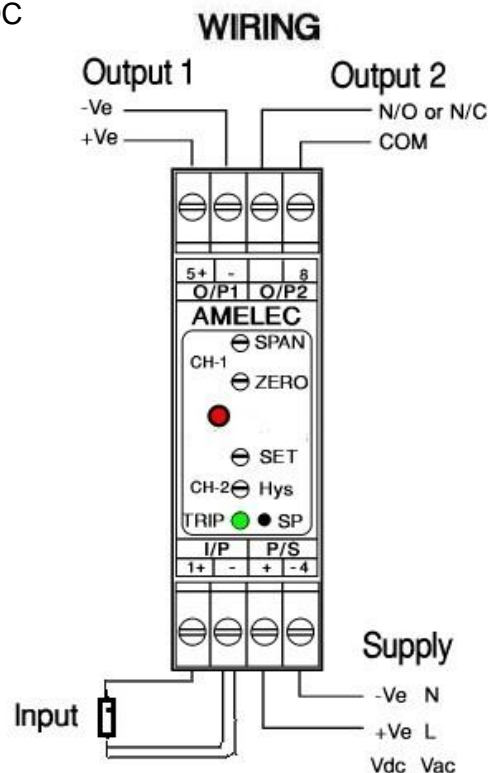
Relative Humidity: 5% to 95% RH (Non-condensing)

EMC: 2014/30/EU, EN 61326-1:2013 (Controlled EM)

Dimensions/Mounting

Enclosure: 22.5w x 75h x 105d mm

Mounting: Din Rail (TS35)



TRIP Mode	S1	LO	HI
	1	OFF	ON
	2	ON	OFF
	3	ON	OFF
	4	OFF	ON

LED mode in TRIP	S3	ENG	DE- ENG
	1	OFF	ON
	2	ON	OFF
Relay mode in TRIP	S3	ENG	DE- ENG
	3	OFF	ON
	4	ON	OFF