

AEC222 AC/DC RTD Signal Trip-Transmitter/Isolator

- Suitable for 2/3-wire PT100 RTD input
- 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 change over contacts, rated at 250V AC 2A, 100VA resistive.

Green LED Trip status indicator.

Trip set point adjustment by 15 turn potentiometer.

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

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

Hysteresis set by 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)

Supply

Burden on supply 3W

Isolation

1000Vdc Input/Output/Contacts/Supply

Environmental Conditions

Storage Temperature: -20°C to +70°C

Operating Ambient: 0°C to +55°C

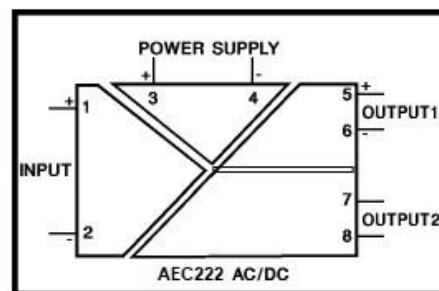
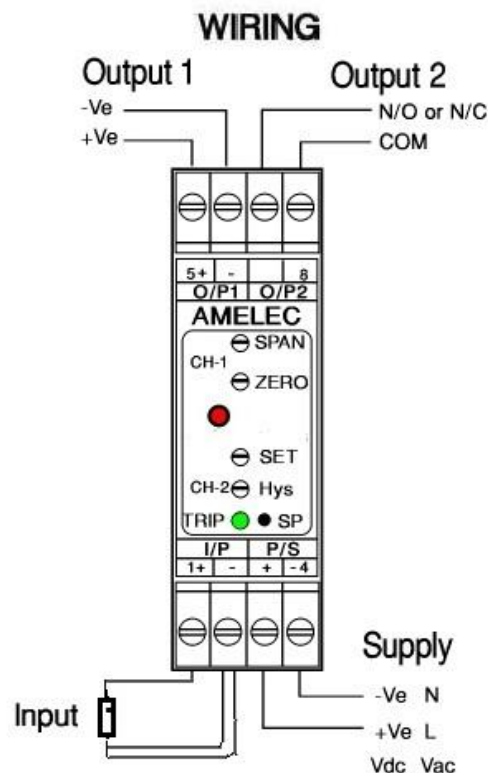
Relative Humidity: 5% to 95% RH

EMC: 2014/30/EU, EN 61326-1:2013

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