

AEC220AC/DC Temperature RTD Signal Transmitter

- Suitable for combinations of RTD Inputs & process Voltage or Current Outputs
- Non-Smart/Non-uProcessor based, Type A instrument
- True universal AC/DC supply voltage 21V through 265V AC/DC

Technical Specifications

Input

Any 2 or 3 wire RTD or Resistance change.
Typical Input: 0-100°C PT100 3 wire connection.

Output

The standard output signal is 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.

(Passive/Sink port option available on request, up to 22mA @30V max.

Other Typical Output ranges

0-10mA, 0-20mA, 1-5mA, 0-2V, 0.4-2.0V, 1-5V, 2-10V, 0-10V

Accuracy/Linearity

<±0.1% Span.

Input Open Circuit Response

Upscale drive

Supply

Burden on 24Vdc supply 50mA

Burden on ac supply 1W

Isolation

1000V RMS Input/Output/Supply

Environmental Conditions

Storage Temperature: -20°C to +70°C

Operating Ambient: -10°C to +55°C

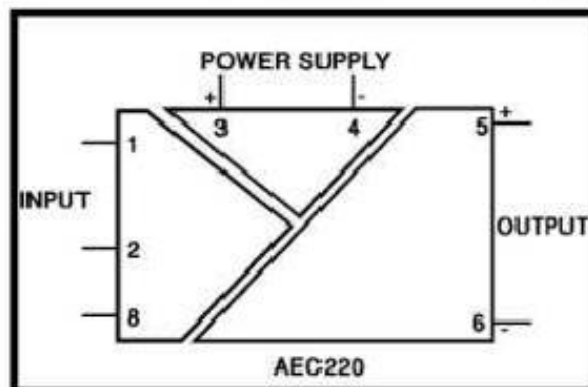
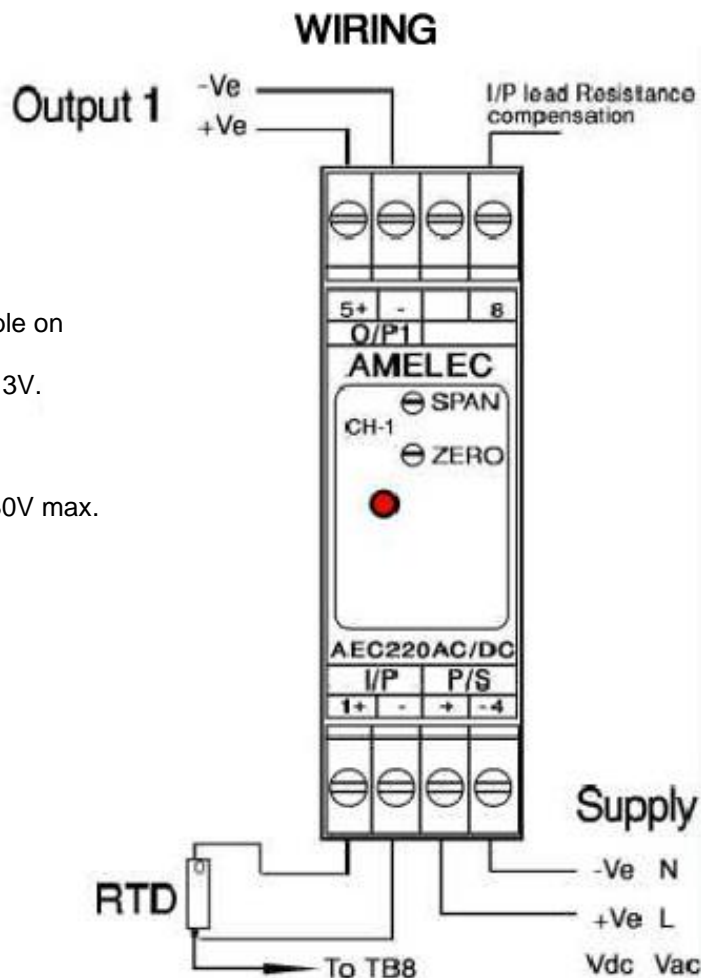
Relative Humidity: 5% to 95% RH (Non-Condensing)

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

Mounting / Dimensions

Din Rail (TS35)

Enclosure: H: 75mm W:22.5mm D:105mm



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