

AEC221AC/DC RTD Signal Transmitter/Splitter

- Suitable for combinations of PT100 RTD Sensor Inputs & Process 4-20mA or 0-10Vdc Outputs
- 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 2/3-wire connection.

Outputs

The output signal ranges are 4-20mA as std (Active ports, into 650Ω max loads), with other ranges 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, max drive 3mA. Other Typical Output ranges include; 0-10mA, 0-20mA, 1-5mA, 0-1V, 0-2V, 0.4-2V, 0-5V, 0-10Vdc, 1-5V, 2-10Vdc.

The mA outputs are configured as Active/Source ports as std, Passive/Sink port options are available on request.

Performance

Accuracy/Linearity: < ±0.1% span
Response time: <300mS (0-100% input step change)
Isolation: 1000V RMS Input/Output/Output/Supply
Supply regulation: Universal 21V up to 265V (AC or DC)
Supply consumption: <3VA
Input O/C response: Upscale drive

Environmental Conditions

Storage Temperature: -20°C to +70°C
Operating Ambient: -15°C to +55°C
Relative Humidity: 5% to 95% RH (Non-Condensing)
EMC: 2014/30/EU , EN 61326-1:2013 (Controlled EM)

Mounting

Din Rail (TS35)

Dimensions

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

