

## AEC221AC/DC RTD Signal Transmitter/Splitter

- Suitable for combinations of PT100 RTD Sensor Inputs as standard & 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.

(PT130 / PT500 / PT1000 sensor input options also available on request)

#### 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 standard, although 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

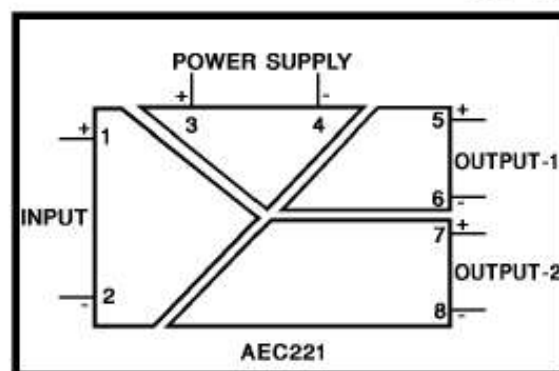
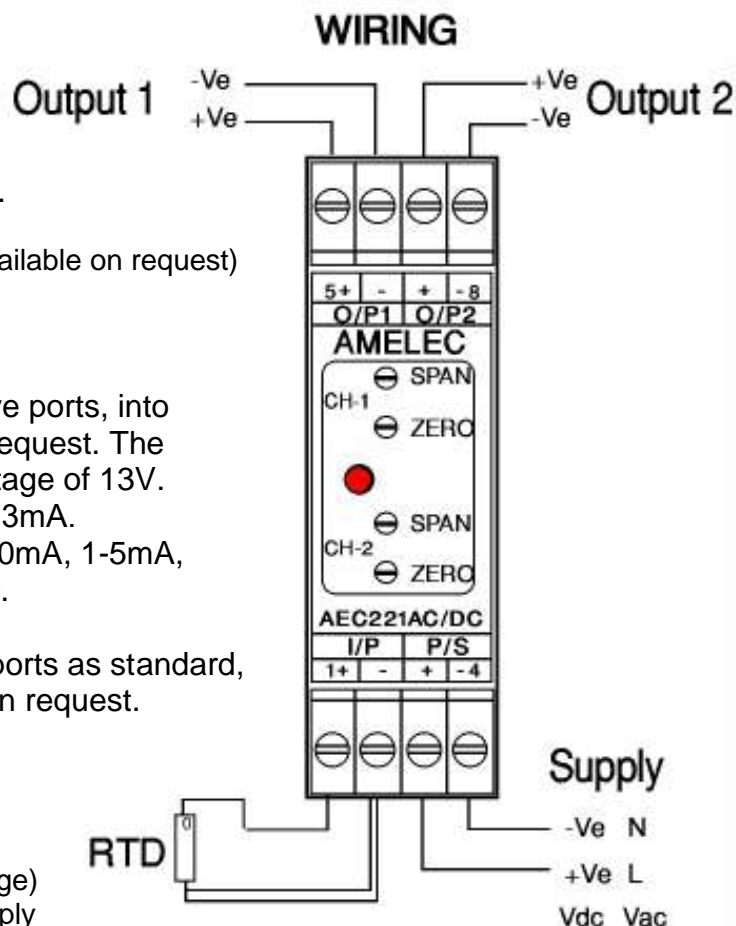
Storage Temperature: -20°C to +70°C  
Operating Ambient: -15°C to +55°C  
Relative Humidity: 5% to 95% RH (Non-Condensing)  
EMC: 2014/30/EU , EN 61326-1:2013 (Controlled EM)

#### Mounting

Din Rail (TS35)

#### Dimensions

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



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