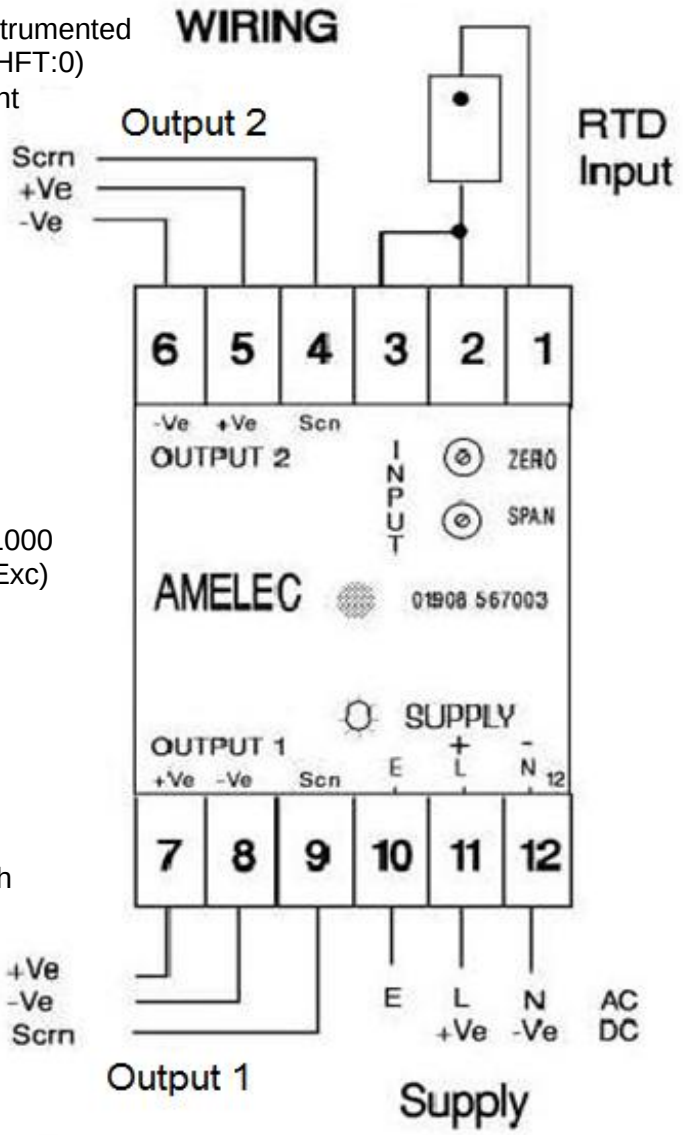
ADM221 RTD Transmitter with Dual Outputs

- Suitable for SIL 1 & SIL 2 rated (EN 61508) Safety Instrumented system (SIS) loop applications, as 1oo1 architecture (HFT:0)
- Non-Smart / Non-uProcessor based, Type A instrument
- Supply voltage options: 115Vac ±20%
  240Vac ±20%
  24Vdc ±10%
  48Vdc ±10%
- RFI Protection to EN 61000-4-3:2006/A2:2010 available ('K' option)
- AMELEC Standard 10 year warranty



Technical Specifications

Input
Any 2/ 3-Wire RTD BS1904, PT100, PT130, PT500, PT1000 with a temp span ≥25ºC may be specified. (nom 0.6mA Exc)

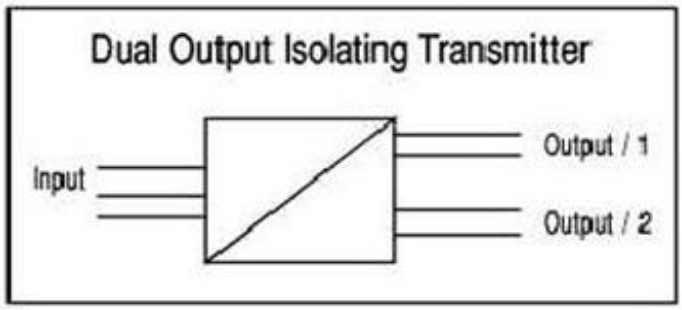
Outputs
Any standard process Current or Voltage combinations;
Current source up to 20mA, with Drive voltage 12Vdc
Voltage source up to 10Vdc as std

Performance
Accuracy/Linearity: <±0.1% resistance span
Isolation: 1000V RMS*. Input/Output/Output/Supply/Earth
*(500Vdc if RFI option 'K' is specified)
Input O/C response: Upscale drive as std
(O/C response Downscale drive option 'X' available)
Response time: Typically <200mS
Supply consumption: 3VA

Environmental Conditions
Storage Temperature: -40 to +70°C
Operating Ambient: -15 to +55°C
Relative Humidity: 5 – 95% RH (Non-Condensing)
EMC: 2014/30/EU, EN 61326-1:2013 (Controlled EM)
('K' option to the highest Generic Industrial levels, with
RF Immunity: 20MHz-3GHz/5.25GHz 10V/m,
80MHz-1GHz/5.6GHz 30V/m, 889MHz/1.75GHz 40V/m)

Protection
Internal Fuse.
Input over range up to typically 300%.

Dimensions
Standard enclosure: 50w x 75h x 110d mm
(K option RFI enclosure: 50w x 75h x 182d mm)



Mounting
Std enclosure: Din Rail (TS35) ***or*** Surface by corner fixing holes.
K option enclosure: Din Rail (TS35) or Surface by seismic Keyhole plate (50w x 130h mm).

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