ADM220-RIS-SC1374 RTD Transmitter / Isolator

- Suitable for SIL 1 & SIL 2 rated (EN 61508-2) safety instrumented system (SIS) loop applications, as 1oo1 architecture (HFT:0)
- Supply voltage options:

115Vac	±20%
240Vac	±20%
24Vdc	±10%
48Vdc	±10%

- Non-Smart / Non-uProcessor based, Type A instrument
- RFI Protection to EN C61000-4-3:2006/A2:2010 available ('K' option)
- AMELEC Standard 10 year warranty

Technical Specifications

Input
Any 2 or 3 wire PT100 resistance temperature sensor.
Third wire compensation to overcome lead resistance variation
(PT130 / PT500 / PT1000 & 4 wire input options available)

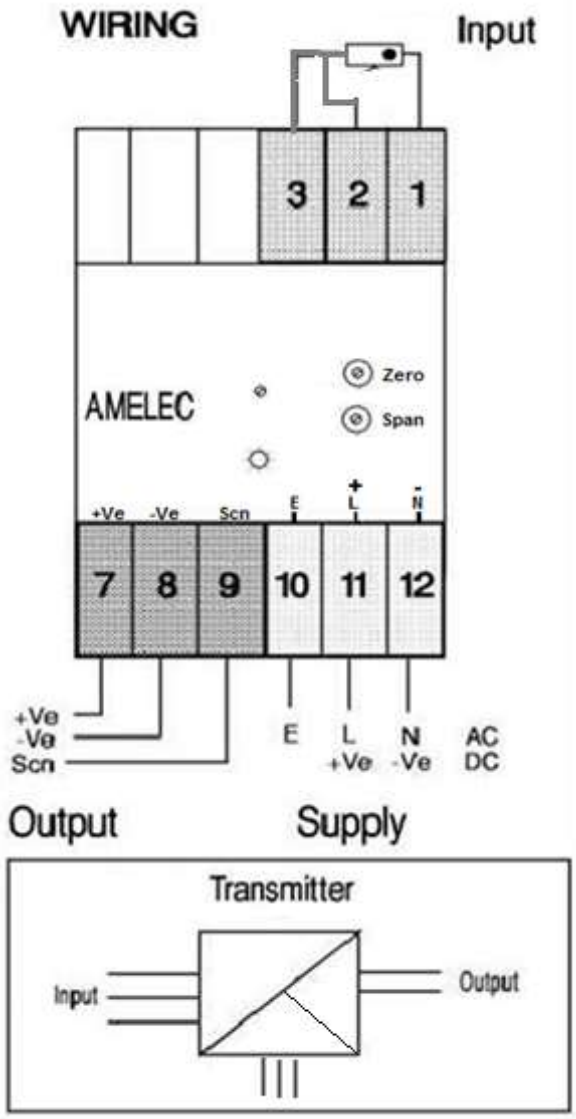
Typical Input ranges
-15 to +25°C, 0-50°C, 0-100°C, 0-150°C PT100, 3-wire connection

Output
DC current or voltage specified in the range of: Current up to 100mA max in Sink configuration (externally powered)
Current up to 22mA max in Source configuration (Internally powered)
Voltage up to 20Vdc max @ up to 5mA per output.
Typical output: 4-20mA (Active port,1200Ω load max)

Isolation
1000V RMS* Input/Output/Supply/Earth
*(500Vdc when RFI option 'K' is specified)

Performance
Accuracy/Linearity: < ±0.1% resistance span as std
('G' option available for Output Linearised to Temperature)
Response time: <400mS as std (10-90% input step change)
Supply consumption: < 3VA
Input O/C response: Upscale drive as std
('X' option available for O/C Downscale drive if required)

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)



Dimensions/Mounting
Aluminium Enclosure: 50w x 75h x 110d mm
('K' option alocromed enclosure = 182d mm)
Mounting: Either Din Rail (TS35) as std ***or***
Surface by rear Keyhole plate (50w x 130h mm)

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