

ADM222DIK RTD Trip Transmitter / Isolator

- Suitable for SIL 1, SIL 2 & SIL 3 rated (IEC61508) safety system loop applications
- Supply voltage options:

115Vac	±20%
240Vac	±20%
24Vdc	±10%
48Vdc	±10%
- RFI Protection to IEC61000-4-3:2006/A2:2010
- AMELEC Standard 10 year warranty

Technical Specifications

Input

PT100 2 or 3 Wire connection RTD. Any temperature range with a span greater than 25°C may be specified as standard.
(PT1000 input & 4 Wire input options are also available)

Analogue Output

Any standard process current or voltage range may be specified
Current source up to 20mA. Drive voltage 11Vdc
Voltage source up to 10V. Max current 20mA

Typical Output

Current: 4-20mA (Active port, max load 550Ω)
Voltage: 0-10Vdc (min load 500Ω)

Trip Output

S.P.C.O Relay contacts, rated at 250VAC, 3A, 100VA (resistive)
High Temperature Trip option, relay De-energises above set point
Low Temperature Trip option, relay De-energises below set point.
Red LED Relay status indicator: ON Energised / Healthy state,
Extinguished in De-energised/Trip state as standard.

Isolation

500Vdc Input/Output/Contacts/Supply/Earth

Performance

Accuracy/Linearity $< \pm 0.1\%$ span
Input open circuit response Upscale **or** Downscale drive as standard
(O/C response to be advised at time of orders)
Relay: De-energise on Trip, Fail Safe on loss of power as standard

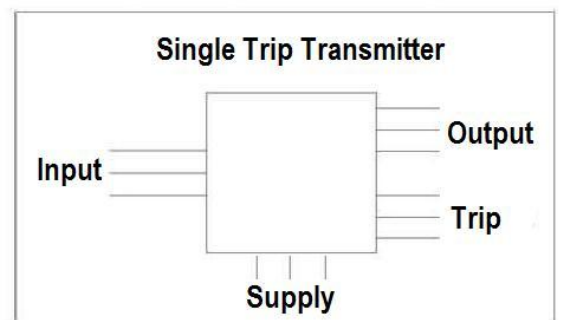
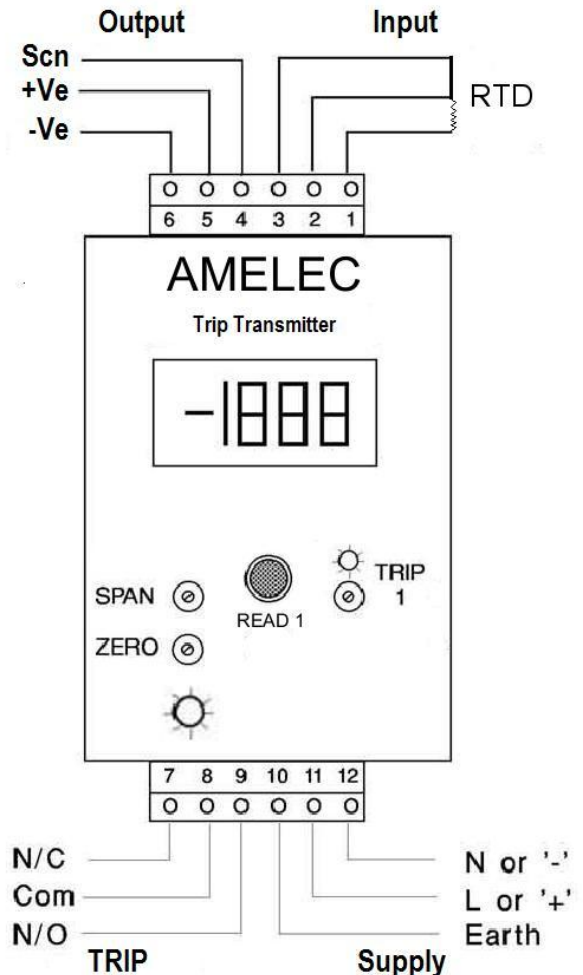
Environmental Conditions

Storage Temperature: -40 to 70°C
Operating Ambient: -15 to 55°C
Relative Humidity: 5 – 95% RH
RF Immunity: 20MHz-3GHz/5.25GHz $\leq 10\text{V/m}$,
(80MHz-1GHz/5.6GHz $\leq 30\text{V/m}$, 889MHz-1.75GHz $\leq 40\text{V/m}$)

Dimensions

50w x 75h x 182d (mm)

WIRING



Mounting

DIN Rail (TS35) as std, Surface by Seismic Keyhole plate & Front of Panel mounting options also available.
(Surface mounting plate Dims: 50w x 130h mm)

Customer Termination

Fixed screw terminals as standard
(Plug-in terminals optional)

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