

AGS1119RX-4-2X Four channel RTD Temperature Trip Amplifier

- Suitable for SIL 1 & SIL 2 rated (EN 61508-2) safety instrumented system (SIS) loop applications, as 1oo1 architecture (HFT:0)
- Non-Smart / Non-uProcessor based, Type A instrument: ✓
- Supply Voltage options: 24Vdc or 48Vdc (±10%), with Green LED **ON** indicator
- Amelec Standard 10 year warranty

Inputs (x 4)

Any 2/3 wire PT100 or PT1000 RTD input type & temperature ranges may be specified, with a minimum 50°C calibration span.

Relay Outputs

Common High-HighTemperature TRIP output, C.O contact, Individual channel High Temperature ALARM output, C.O contact, Relay Contacts rated at 240Vac, 2A, 100VA (resistive)
Relays De-energise / Contacts Open in Alarm / Trip states as std.

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)

Performance

Trip settability :- ±1%
Trip repeatability:- ±0.1%
Response time:- ≤400mS
Input O/C response: Upscale drive

Isolation

1000V RMS
(Input-Inputs)/(Contacts-Contacts)/Supply

Dimensions

152w x 137d x 81h mm

Alarm & Trip Functions

High Temperature Alarm & High-High Temperature Trip set points for each input channel, all independently adjustable over the full input temperature range by 15-turn blindset potentiometers through unit front fascia. Four Amber Alarm LED's, one for each input channel, illuminate **ON** to show if input is high temperature. One common Red LED illuminates **ON** if any one or more input channel is high-high temperature. Fail-safe Relays De-energise in Alarm/Trip states and for Open Circuit input or Loss of Power conditions as std.
(Other Relay output configurations are available on request if required, to suit the customers application)

Wiring

