

AGS1119RX-2 Three 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: 110Vac $\pm 20\%$ (50/60Hz), 24Vdc or 48Vdc ($\pm 10\%$), with Green LED **ON** indicator
- Amelec Standard 10 year warranty

Inputs (x 3)

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 Temperature ALARM output, S.P.C.O contacts, Common High-High Temperature TRIP output, S.P.C.O contacts, Relay Contacts rated at 110Vac, 2A, 100VA (resistive)

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 :- $\pm 1\%$
Trip repeatability:- $\pm 0.1\%$
Response time:- $\leq 400\text{ms}$
Input O/C response: Upscale drive

Isolation

1000V RMS
Input/Input/Input/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.. .
Three Yellow 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 or for Open Circuit input. All De-energise on Loss of Power..

Wiring

