

AGS1119RX-2X 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 ±20% (50/60Hz), 24Vdc *or* 48Vdc (±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-HighTemperature TRIP output, D.P.C.O contacts, 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°COperating ambient:-15 to +55°CRelative humidity:5-95 % RH (Non-Condensing)EMC:2014/30/EU, EN 61326-1: 2013 (Controlled EM)

Alarm & Trip Functions

<u>Performance</u>

Trip settability :- $\pm 1\%$ Trip repeatability:- $\pm 0.1\%$ Response time:- ≤ 400 mSInput O/C response: Upscale drive

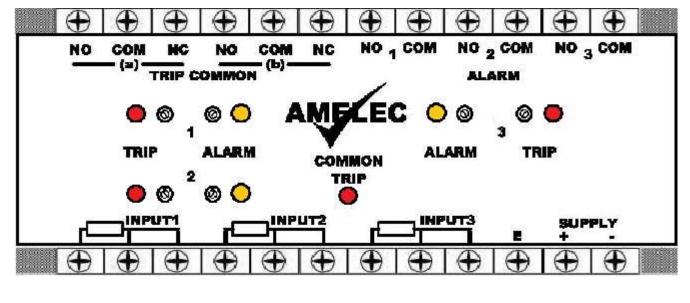
Isolation

1000V RMS Input/Input/Contacts/Contacts/Supply

Dimensions

152w x 137d x 81h mm

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 Amber Alarm LED's, one for each input channel, illuminate *ON* to show if input is high temperature.
One common Red LED iilluminates *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



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