

## 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  $\pm 20\%$  (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-High Temperature 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°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 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

