AMELEC
SIGNAL CONDITIONING

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°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/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 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