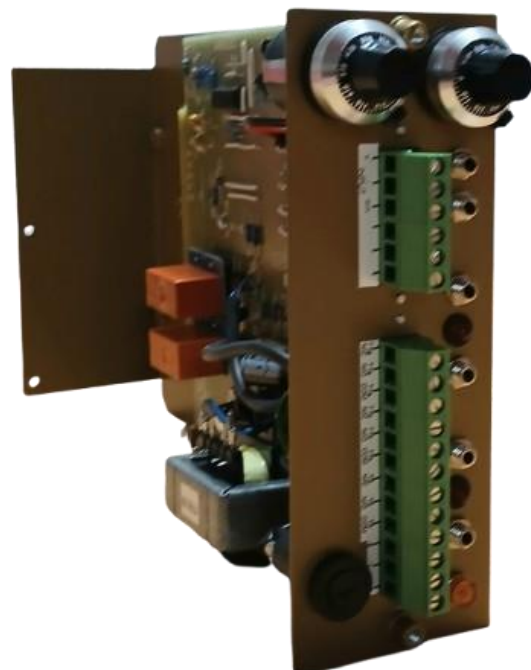


ATA132-SEA-PMR30.41 Process I/V Trip Amplifier

- Suitable for SIL & SIL 2 rated (EN 61508-2) safety instrumented system (SIS) loop applications, as 1oo1 architecture (HFT:0)
- Supply voltage options:

115Vac	±20%
(with Amber power ON indicator)	240Vac ±20%
	24Vdc ±10%
	48Vdc ±10%
- (Other supply options available on request - 'X' option)
- Non-Smart / Non-uProcessor based, Type A instrument
- Fixed or Variable Time Delay into Trip 'T' option available
- 24Vdc @ 22mA two wire Input loop Excitation 'M' option available
- AMELEC Standard 10 year warranty



Technical Specifications

Input

Any current or voltage (DC) drive that can be terminated in a PI network to produce a 400mV span. Typical examples; 0-1mA, 0-10mA, 4-20mA, 0-5V, 0.4-2.0V, 0-10V, 0-100Vdc

Trip Relay Outputs

Each trip output is a set of changeover contacts, rated at 240VAC, 5A, 100VA resistive.

Each Set Point is adjustable on Front fascia either by 10-Turn Calibrated Dials or fifteen-turn Blindset potentiometers.

Fail Safe Relays De-energise on Trip & on loss of power as std Red LED indication of each relay status

(ON Energised/healthy, Extinguished in Trip/De-energised state)

Latching relays option 'L' available, with local or remote reset.

Performance

Trip settability: ±0.1%

Trip repeatability: ±0.1%

Response time: <100mS (0-100% step change)

Deadband: 1% Span hysteresis as std.

(Variable hysteresis 0.5%-20% available – 'V' option)

Input Open Circuit response: Downscale drive as standard

(O/C Upscale drive available if required – 'X' option)

Protection

Isolation: 1000V RMS Input/Contacts/Contacts/Supply/Earth

Environmental Conditions

Storage Temperature: -40°C to +70°C

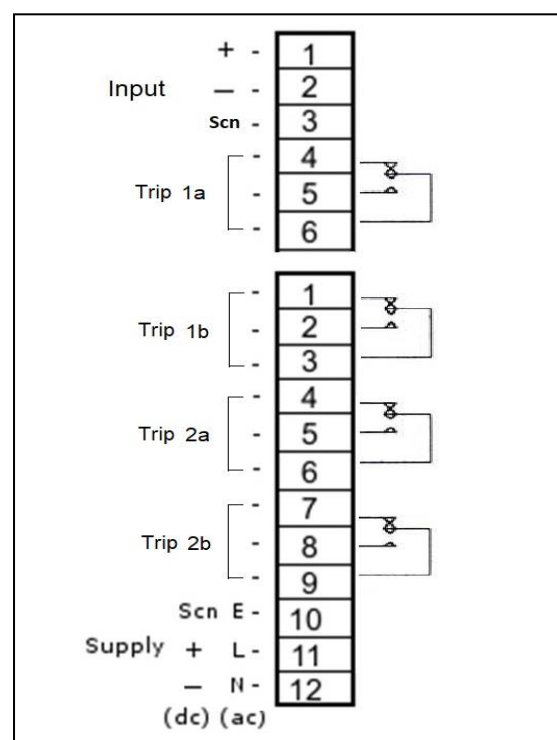
Operating Ambient: -15°C to +55°C

Relative Humidity: 5 – 95% RH (Non-Condensing)

EMC: 2014/30/EU, EN 61326-1:2013 (Controlled EM)

Dimensions

57w x 151h x 234d mm (incl. front Terminals = 249d mm)



Mounting & Wiring connections

Direct slot-in replacement instrument sleeve for existing Protech 7-way housing.

Fixed Screw Terminals and calibration adjustment potentiometers all accessible on front fascia