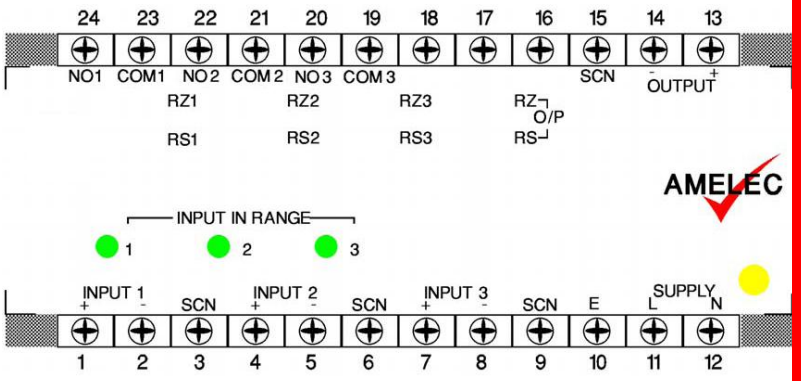
AGS1129-3 Multi- Deviation Trip Amplifier

- Suitable for any process input
- Supply voltage: 24Vdc / 115Vac / 230Vac
- Amelec standard 10 year guarantee
- Suitable for SIL Level 1, 2, & 3 (IEC 61508-2)

FRONT VIEW



APPLICATION

Any application where up to three channels are required to be monitored for deviation.

TECHNICAL SPECIFICATION

INPUT (Three channels)

DC current / voltage can be specified in the range of:
Current up to 100mA max (Passive)
Voltage 0.4 to 100V max
Typical input: 4 - 20mA (Passive)
Note: Inputs will have Common 0V.

OUTPUT

4-20mA proportional to the average of the healthy channels connected (max load 550ohms)
3 x N.O contact, one for each loop.

INDICATOR

Power ON: LED, Amber.
Relay status: LED, Green.

PERFORMANCE

Dead band: Typically < 1%
Response time: Typically < 400mS
Accuracy: < ±0.1%
Power: <3.5W

PROTECTION

Isolation 1000V RMS.
Inputs/Contacts/Output/Supply/Earth
Internal Fuse.
Failsafe Relay loss of power
Input over range up to typically 300%.
Input O/C response downscale

FUNCTION

Each input is connected via a 'drop out circuit' to a summing amplifier. An input will drop out of the average if that particular input goes outside the 3.8mA to 22.5mA window. As an individual input 'drops out', the Green LED associated with that channel will extinguish & the averaging amplifier will automatically compensate for the two circuits still connected to it.

TERMINATION

Input 1	TB1 +	TB2 -	
Scn	TB3		
Input 2	TB4 +	TB5 -	
Scn	TB6		
Input 3	TB7 +	TB8 -	
Supply	TB10 Earth	TB11 Live/+	TB12 Neutral
Output	TB13 +	TB14 -	
Scn	TB15		
Fault Relay 1	TB24 N/O 1	TB23 Com 1	
Fault Relay 2	TB22 N/O 2	TB21 Com 2	
Fault Relay 3	TB20 N/O 3	TB19 Com 3	

ENVIROMENTAL CONDITION

Storage temperature: - 40 to +70℃
Operating Ambient: -15 to +55℃
Relative Humidity: 5 to 95% RH

MOUNTING / DIMENSION

Enclosure: 152w x 81h x 137d
Mounting: Din rail / Surface
Weight < 300g

ADD ON / OPTIONS

DI: LCD display for local monitoring
J : Input injection jack socket
P: Test point (Trip set point monitoring)
Non standard Power supply ranges available

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