

ADC353-374-131LX Volume Trip Amplifier

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

TECHNICAL SPECIFICATION

INPUT 1 (Max volume)

Default input: 4 - 20mA (Passive)

Other can be specified in the range of:
Current up to 100mA max (Passive)
Voltage 0.4 to 100V max

INPUT 2 (Reset)

Volt free Contact closure to reset.

SETPOINT

Set point value, 0 to 5Vdc representing 0 and 100% of Max volume.

OUTPUT

1x SPCO relay rated at 250VAC, 2A, 100VA resistive
Normally de-energised. De-energise on Trip.

CONTROLS

Trip : 15 turn potentiometer to set limit in the range of 1 to 100% of input 1 span.

INDICATOR

Power ON: LED, Amber.
Relay status: LED, Green. (Normally Energised)

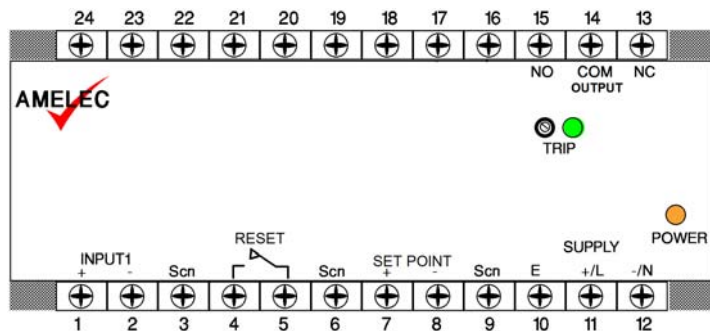
PERFORMANCE

Trip settability: better than $\pm 1\%$
Trip repeatability: better than $\pm 0.1\%$
Dead band: Typically < 1%
Response time: Typically < 400mS
Accuracy: < $\pm 0.1\%$
Power: < 4W

ENVIRONMENTAL CONDITION

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

FRONT VIEW



FUNCTION

The output relay normally de-energised, energised in to latch when the flow reaches the target volume set on the trip potentiometer. A volt free contact closure on "Reset" from external 24hr timer resets the flow count to zero and starts the cycle again.

PROTECTION

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

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