

ADM232KX (2 Outputs) Process Trip Transmitter

- Suitable for process signal conditioning
- Supply voltage: 24Vdc / 48Vdc
- RFI protection to IEC61000-4-3
- Amelec standard 10 year guarantee
- Suitable for SIL Level 1, 2, & 3 (IEC 61508-2)

APPLICATION

- Any application where process signal is required to be isolated & split for re transmission with single trip set point.

TECHNICAL SPECIFICATION

INPUT

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)

OUTPUT

DC current or voltage specified in the range of:

Current up to 100mA max in Sink configuration (externally powered)

Current up 22mA max Source configuration (Internally powered)

Voltage any from 0.4 to 20V max @ up to 20mA.

Typical output range: 4 - 20mA (Source)

SPCO contacts, rated at 250VAC, 2A, 100VA resistive.

CONTROLS

2 x Zero / Span: 15 turn potentiometer.

1 x Trip set point: 15 turn blind set potentiometer.

INDICATOR

Power ON: LED, Amber.

Relay status: LED, Red.

PERFORMANCE

Linearity: < $\pm 0.1\%$

Response time: Typically < 400mS

Accuracy: < $\pm 0.1\%$

Trip settability: better than $\pm 0.1\%$

Trip repeatability: better than $\pm 0.1\%$

Dead band: Typically fixed @ 1%

PROTECTION

Relay Failsafe on Input O/C and loss of power.

Isolation 1000V RMS: IP/OP1/OP2/Relay/Supply/Earth

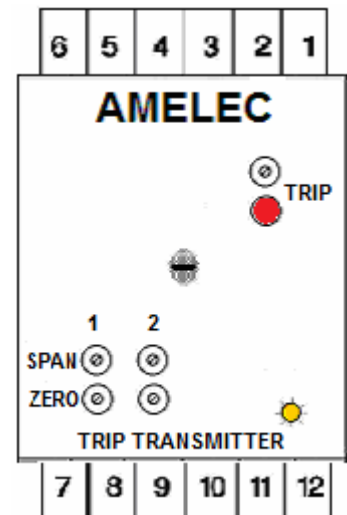
Internal Fuse.

Input over range up to typically 300%.

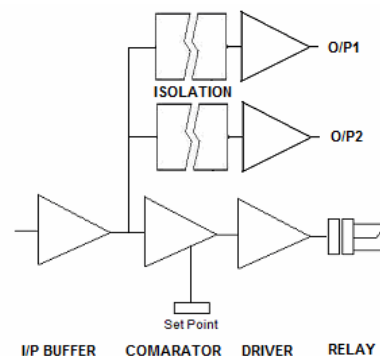
TERMINATION

INPUT +	1
IINPUT -	2
OUTPUT 1 +	3
OUTPUT 1 -	4
OUTPUT 2 +	5
OUTPUT 2 -	6
Relay NC	7
Relay Com	8
Relay NO	9
Earth	10
Live / +	11
Neutral / -	12

FRONT VIEW



FUNCTION BLOCK DIAGRAM



ENVIROMENTAL CONDITION

Storage temperature: - 40 to +70 °C

Operating Ambient: -15 to +55 °C

Relative Humidity: 5 to 95% RH

MOUNTING / DIMENSION

Enclosure: 50w x 75h x 182d

Mounting: Din rail / Surface (optional Panel Mount)

Weight < 500g

ADD ON / OPTIONS

J : Input injection jack socket

P: Test point (Trip set point monitoring)

Non standard Power supply ranges available