

ADM237X-3 Two wire three way splitter

- 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)

APPLICATION

Any application where three isolated outputs are required from single two wire or passive input.

TECHNICAL SPECIFICATION

FUNCTION

Receive single input and reproduce three isolated sink / source outputs.

INPUT

Two wire input up to 22mA @ 24Vdc or other inputs, 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

DC current or voltage specified in the range of:
Current up to 100mA max in Sink configuration (externally powered) available on request.
Current up 22mA max Source configuration (Internally powered)
Voltage any from 0.4 to 12V max @ up to 20mA.
Typical output range: 4 - 20mA (Source)

CONTROLS

Zero / Span: 15 turn potentiometer for each output calibration.

INDICATOR

Power ON: LED, Amber.

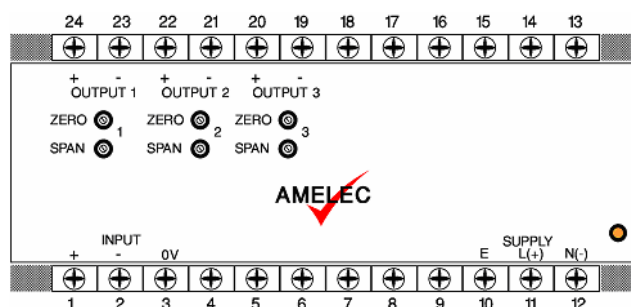
PERFORMANCE

Linearity: < $\pm 0.1\%$
Response time: Typically < 400ms
Accuracy: < $\pm 0.1\%$

PROTECTION

Isolation 1000V RMS. IP/OP1/OP2/OP3/Supply/Earth
Internal Fuse.
Input over range up to typically 300%.

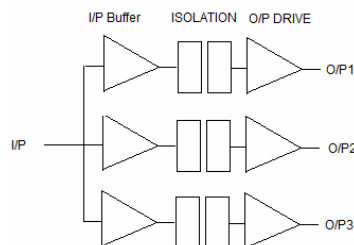
FRONT VIEW



TERMINATION

2 Wire I/P	TB1 +	TB2 -
Sink I/P	TB2 +	TB3 -
O/P 1	TB24 +	TB23 -
O/P 2	TB22 +	TB21 -
O/P 3	TB20 +	TB19 -
Earth	TB10	
Live/ +	TB11	
Neutral / -	TB12	

FUNCTION BLOCK DIAGRAM



ENVIRONMENTAL CONDITION

Storage temperature: - 40 to +70 °C
Operating Ambient: -15 to +55 °C
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