

ADM213X Modulus Signal converter

- Supply voltage: 24Vdc / 115Vac / 230Vac
- RFI protection to IEC61000-4-3 available
- Amelec standard 10 year guarantee
- Suitable for SIL Level 1, 2, & 3 (IEC 61508-2)

APPLICATION

- Suitable for up to 10A dc signal.
- Signal Isolator / Booster / Noise filter
- Signal converter to resolve incompatibility.

TECHNICAL SPECIFICATION

INPUT

DC current can be specified in the range of:
Current up to +/-10A max (Passive)

OUTPUT - MODULUS

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)

CONTROLS

Zero / Span (+/- 20%): 15 turn potentiometers for output calibration.

INDICATOR

Power ON: LED, Amber.

PERFORMANCE

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

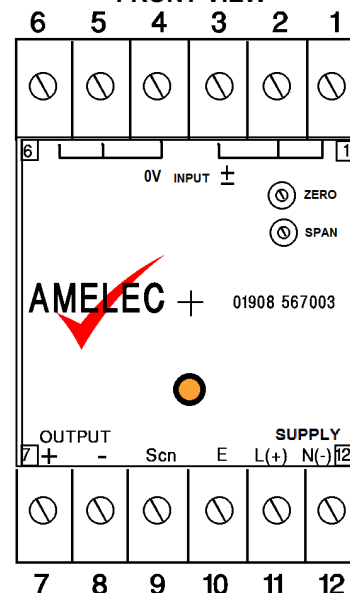
PROTECTION

Input O/C drive downscale
Isolation 1000V RMS. Input/Output/Supply/Earth
Internal Fuse.
Input over range up to typically 300%.

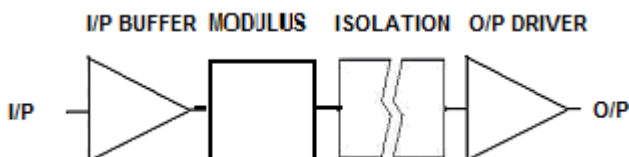
TERMINATION

Input +/-	1
Input +/-	2
Input +/-	3
Input 0V	4
Input 0V	5
Input 0V	6
OUTPUT +	7
OUTPUT -	8
Scn	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 110d
Mounting: Din rail / Surface (optional Panel Mount)
Weight < 200g

ADD ON / OPTIONS

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