

ADM230XX High Power Signal converter

- Amelec standard 2 year guarantee
- Suitable for SIL Level 1, 2, & 3 (IEC 61508-2)

TECHNICAL SPECIFICATION

INPUT

4 - 20mA / 0 - 20mA / 0 - 10mA
1 - 5Vdc / 0 - 5Vdc / 0 - 10Vdc
Other ranges available on request.

OUTPUT 1

Output 0 - 24V dc @ up to 4A.

OUTPUT

Normally open contacts, closing on Fault / Cut out condition. Can be used to monitor alarm remotely.
Relay contacts SPST 2A / 125Vac

SUPPLY

Supply: 27Vdc +/- 10% @ 5A min

INDICATOR

Power ON: LED, Amber.
TRIP 1: Red LED to show Overheat / Cut-out
TRIP 2: Green LED to show Cooling fan ON.

PERFORMANCE

Temp co-efficient: 200ppm
Linearity: < ±0.1%
Response time: Typically < 400ms
Accuracy: < ±0.1%
Supply regulation: ± 10%
Supply consumption: 3VA + Iout

PROTECTION

FS1 (Fuse 20 x 5mm 0.25A / F) O/P1 +
FS1 (Fuse 20 x 5mm 0.25A / F) O/P1 -
FS3 (Fuse 20 x 5mm 6A / T) SUPPLY
INTERNAL - FS4 (Fuse 20 x 5mm 0.5A / T) SUPPLY 1
Trip 1 Fault / Output cut-out @ 70C, re-set 40 C.
Trip 2 Over heat cooling fan ON @ 50 C, off 40 C.
Isolation 500V DC: (IP + OP)/Supply/Earth

TERMINATION

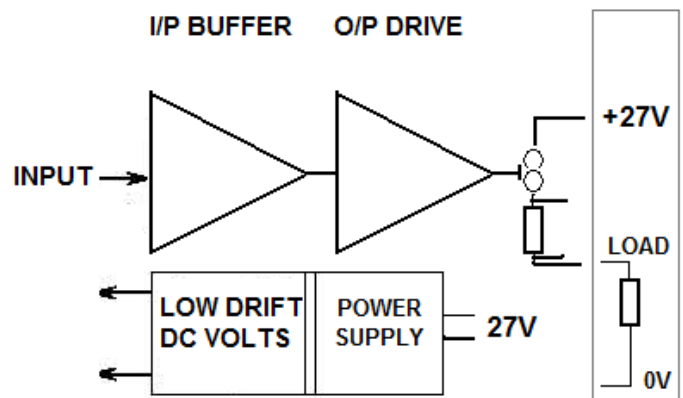
+ I/P	1
-I/P	2
NC	3
Earth	4
Supply +	5
Supply -	6
O/P +	7
O/P -	8
	9
	10
O/P2 - N/O	11
O/P2 - COM	12

FRONT VIEW



WIRING: 45 deg, screw terminal, 12 – 26 AWG / 250VDC / 16A

FUNCTION BLOCK DIAGRAM

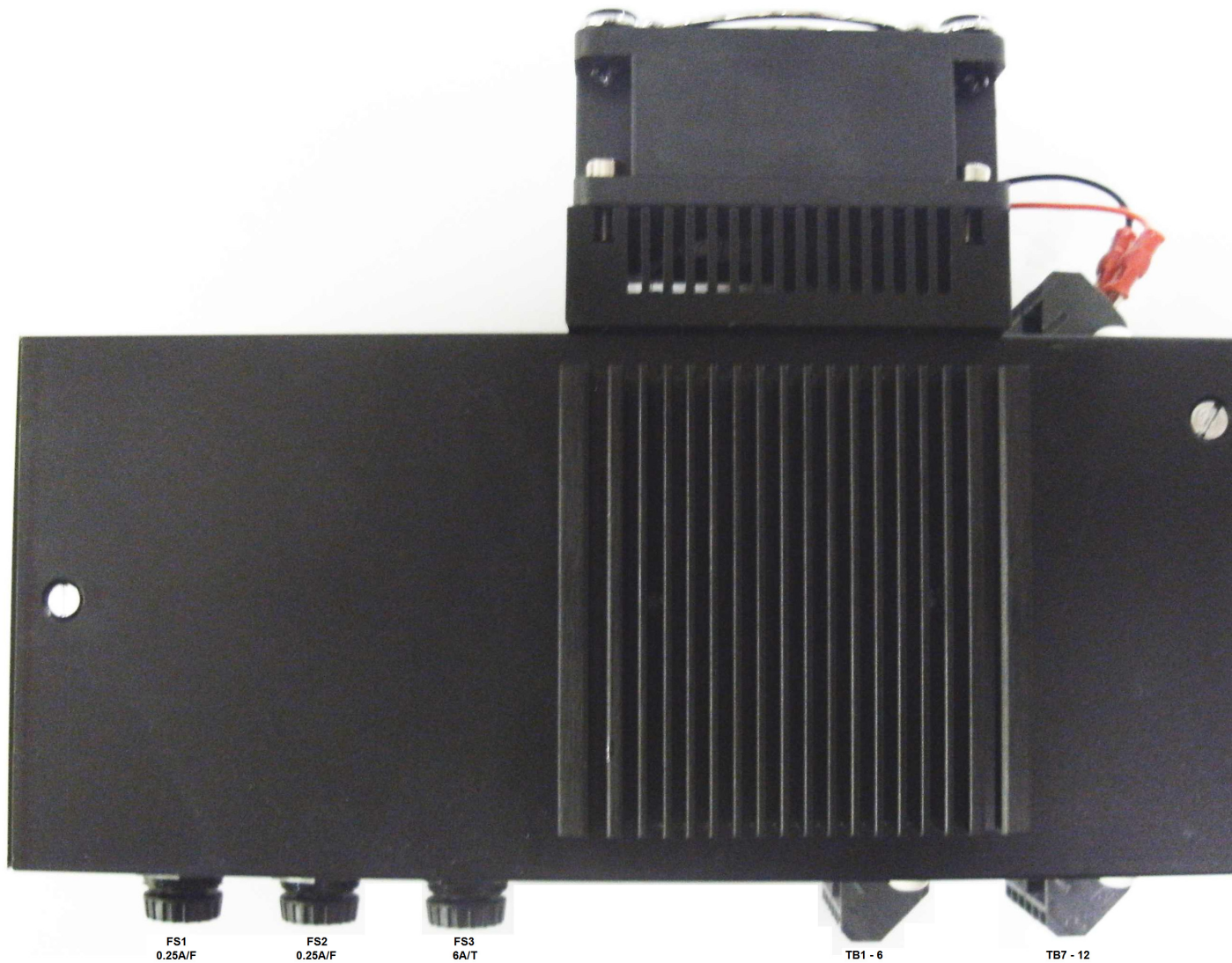


ENVIRONMENTAL CONDITION

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

MOUNTING / DIMENSION

Enclosure: 83w x 132h x 182d
Mounting: Surface key hole plate
Weight < 500g



FS1
0.25A/F

FS2
0.25A/F

FS3
6A/T

TB1 - 6

TB7 - 12