

ASM230-DIL (ASC230) Process Signal Transmitter

- Suitable for SIL 1,2 & 3 applications
- Suitable for combinations of process Inputs & Outputs
- Supply Voltage : 24Vdc \pm 2.5V
- Amelec Standard 10 year warranty

Technical Specifications

Input

Signals are routed into a pi network to develop a 400mV span.

The internal switches enable the following ranges to be field selected:

0-10mA, 0-20mA, 4-20mA
1-5V, 0-10V

Output

Output signals are selected by the on board switches. The current source can be upto 20mA with a drive voltage of 20V. The voltage source can be upto 10V's, maximum drive 20mA.

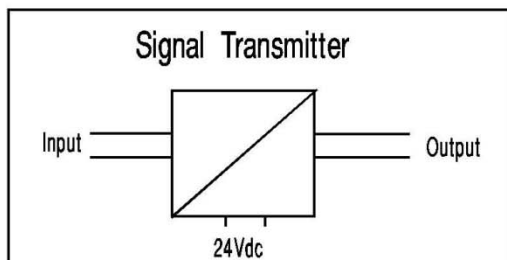
The ranges available on the switches:

0-10mA, 0-20mA, 4-20mA
1-5V 2-10V, 0-10V

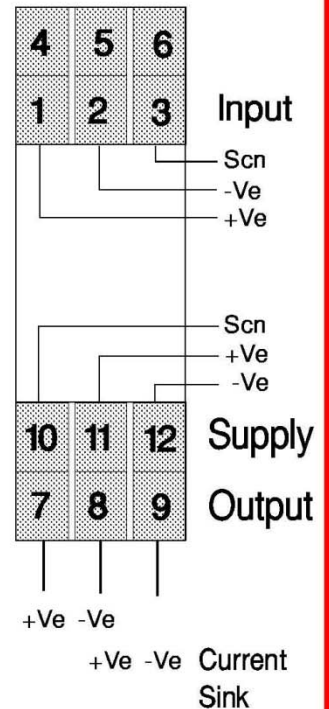
The output current can be configured as a sink or source port by connection to the terminals shown.

Dimensions

H: 75mm W: 22.5mm D: 110mm



WIRING



Volts or Current Source

+Ve -Ve

+Ve -Ve Current Sink

Field Selection

The on board DIL switches enable the customer to select the standard ranges. Other selections to special order

ASM230 Switch Selection	Input Full Span	Switch 1	Offset I/P	Switches O/P	SW1
SW1					
on	10V	5	✓	✓	—
1 2 3 4 5 6 7 8	5V	6	X	X	—
	10mA	3, 7	X	✓	1
	20mA	4, 8	✓	X	2
Any switch unspecified in the table to be left in the Off position.					
SW2	Output	Switch 2	Output	Switch 2	
on	5V	2, 4, 5, 9	10mA	3, 6, 8	
1 2 3 4 5 6 7 8	10V	2, 4, 5, 10	20mA	3, 6, 7	
	10mA	1, 3, 6, 8			
	20mA	1, 3, 6, 7			
Example:					
	4-20mA to 4-20mA (Source)	SW1 4, 8 SW2 1, 3, 6, 7			
	10V to 4-20mA (Sink)	SW1 5, 1 SW2 3, 6, 7			

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