

ADC316TL Low Limit Transmitter with Timer Delay

- Suitable for most Process & unusual Signals
- Supply voltage: 24Vdc / 115Vac / 230Vac
- RFI protection to IEC801-3 available
- Amelec standard 10 year guarantee
- Suitable for SIL Level 1, 2, & 3 (IEC 61508-2)

TECHNICAL SPECIFICATION

FUNCTION

Normally output follows input, applying contact closure to input 2 will force output to low limit. The output will remain held low until timer times out or reset contact closure is applied to input 3, releasing the output to return to following the input.

INPUT

DC current / voltage can be specified in the range of:

Current up to 10A DC max (Passive)

Voltage 4mV to up to 200V max

Default input: 4 - 20mA (Sink)

LOW LIMIT

Factory set to requirement. Any value can be specified in the range of 4 to 8mA.

TIMER

Activated by input 2 contact closure, Timer range 4 to 20minutes. Set by front facia blind set potentiometer. Reset by input 3 contact closure.

OUTPUT

DC current or voltage specified in the range of:
Current up to 400mA max in Sink configuration (externally powered)

Current up 24mA max Source configuration (Internally powered)

Voltage any from 0.4 to 20V max @ up to 21mA.

Default output range: 4 - 20mA (Source)

CONTROLS

Zero / Span: 15 turn potentiometer (+/- 20% of span).

Delay timer: 15 turn potentiometer (4 to 20minutes).

INDICATOR

Power ON: LED, Amber.

PERFORMANCE

Linearity: < ±0.1%

Response time: Typically < 400ms

Accuracy: < ±0.1%

PROTECTION

Input O/C drive Downscale.

Isolation 1000V RMS. (Input + Output) / Supply / Earth

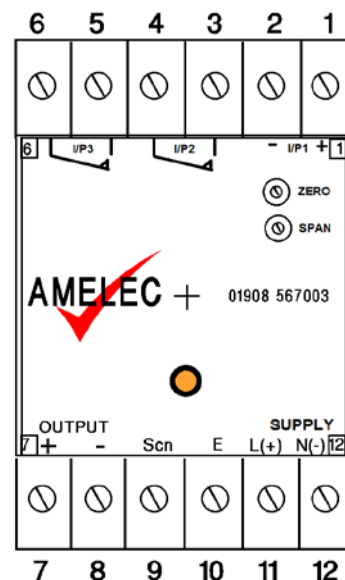
Internal Fuse. (250mA quick blow)

Input over range up to typically 200%.

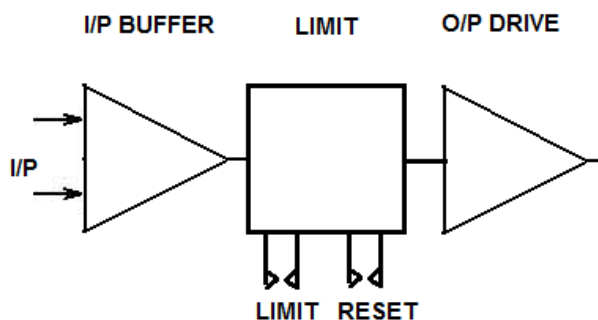
TERMINATION

I/P 1 +	1
I/P 1 -	2
I/P2 / Contact	3
I/P2 / Contact	4
I/P3 / Contact	5
I/P3 / Contact	6
O/P +	7
O/P -	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 / (optional Surface/ Panel Mount)

Weight < 300g

ADD ON / OPTIONS

P: Test point

Non standard Power supply ranges available

3.5 Digit LCD Display

