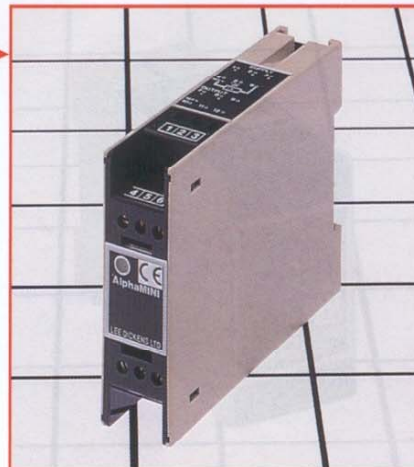


Loop Powered Isolator MIN310

Function: A 4 to 20mA signal isolator that requires no external power supply. The power for the isolator is derived from the input loop. Typically the MIN310 could be used to provide a second isolated 4 to 20mA from an existing isolated loop. This would then allow two non-isolated inputs (e.g. an RTU input and a local indicator input) to monitor the same 4 to 20mA loop. If the input loop was not isolated you would need to use either a MIN320 (24 Volt DC powered) or a DIN320 (230/110 Volt AC powered) dual output isolator. The MIN310 can also be used as an isolator in a 4 to 20mA output loop from a non-isolated transmitter.



AlphaMINI
CONVERTERS

SPECIFICATIONS

INPUTS:

DC Current
4 to 20mA

Overload Capacity
± 50mA

OUTPUTS:

DC Current
4 to 20mA into 100 to 1K ohms

Input/Output Isolation
600 Volt > 20M ohms

Voltage Drop
2.5 Volts maximum at 20mA output into 1K ohms

Accuracy
0.5% of span

N.B.

The MIN310 is fitted with span and zero potentiometers and the instrument can therefore be site calibrated.

GENERAL:

Temperature Coefficient
±0.1% of span / Δ10°C

Operating Temperature Range
0 to +50°C

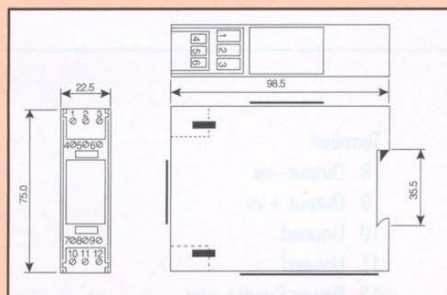
Storage Temperature Range
-20 to +60°C

Operating Humidity Range
0 to 95% RH non-condensing

Storage Humidity Range
0 to 95% RH non-condensing

Weight
108 gms

MECHANICAL DETAILS



TERMINATION DETAILS

Terminal	
1	Unused
2	Unused
3	Unused
4	Input -ve
5	Input +ve
6	Unused

Terminal	
7	Output -ve
8	Output +ve
9	Unused
10	Unused
11	Unused
12	Unused

ORDERING DETAILS

- a) Give identification code, i.e. MIN310



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