



Current Loop Indicator

TM-DEE-DCLI



The TM-DEE-DCLI is an easy-to-mount display module designed to work with any 4-20mA* process sensor. The integral display consists of four 7-segment LEDs with a display range from -999 to 9999 and with a user selectable decimal point position. The calibration procedure will allow any number in the display range to represent the minimum loop current and any other number, the maximum current#, thus most units of measurement can be represented and it is possible to have an inverted display (i.e. a 20- 4mA indicator) if required.

The module incorporates two relays which can be individually configured to operate at any displayed threshold++. Separate ON and OFF settings allow the amount of hysteresis to be chosen, and also allows the user to decide whether a relay is open at low current/closed at a higher current or operates the other way round – open at high current/closed at a lower current. For switching high-voltage or high-current loads, the on-board relays can drive external slave relays.

* 0-20mA operation is also available, user selectable during calibration.

Calibration assumes a linear relationship between loop current and display.

++ Relays have normally-open contacts and will be open when there is no power

Specifications

Power supply	7 - 26 VDC
Current loop voltage	30 VDC max.
Current loop resistance	100Ω
Loop current	<100 mA
Input signal	0 mA - 21 mA
Relay	48V AC/DC, 0,5 A
Accuracy	± 0,2% ± 1 digit
Display range	-999 bis 9999
Ambient temperature	-5° bis +60°C
Environmental	IP40, IP55 when fitted to a suitable enclosure
Dimensions (mm)	37 x 76 x 70 mm
Required panel cutout	69,3 mm x 29,3 mm

All specifications are subject to change without notice



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