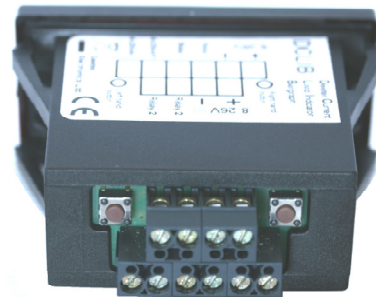


Front view of the DCLIB



Rear view of the DCLIB

The DCLIB (Deeter Current-Loop Indicator - Bargraph) is an easy-to-mount display module designed to work with any 4-20mA or 0-20mA process sensor. The display consists of a 20-segment bar LED that can indicate the loop current with a 5% resolution*.

There are two modes of operation, "Scrolling" and "Rolling". In Scrolling mode, the number of bars changes to indicate the loop current. This mode would typically be used to indicate liquid levels. In Rolling mode only one LED segment is on at a time and this mode would typically be used with a position sensor.

The module incorporates two relays which can be individually configured to operate at any 5% display 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 – see the Deeter Dual Level Controller (DLC 1 or DLC II).

* 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

Supply Voltage Range	7 – 26Vdc	Supply Current	<100mA
Current Loop Voltage	30Vdc Max	Current Loop Range	0mA – 21mA
Current Loop Resistance	100Ω	Relay Contacts	48V ac/dc 0.5A
Display Range and Resolution	<5% to >95% in 5% steps	Current Measurement Accuracy	+/- 0.2%
Operating Temperature	-5° to +60°C	Environmental	IP40. IP55 when fitted to a suitable enclosure.
Dimensions (mm)	Height = 37 Depth = 70 Width = 76	Required panel cut out size	69.3mm x 29.3mm

Ordering Information

Description	Ordering Code
Deeter Current Loop Indicator- Bargraph (DCLIB)	DE012 - 0105

DEETER Electronics
Ltd

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