DS485DIS Bulkhead Display TYPE: DS485DIS
For use with Mantrabus DSC/DCELL

Features

- Displays up to 8 Mantrabus DSC or DLC
- Display summed or individual results
- Removes the need for DSC/DLC to be permanently connected to a PC or PLC
- Synchronised sampling across devices
- Gross/Net Toggle
- Easy to operate toggle buttons
- 6 Digit 20mm LED Display in Red
- Sealed to IP65
- Bulkhead mounted

Typical Applications

- Vessel Weighing
- Tank farm weighing
- Container Crane weighing
- Corner Weight Scales

Description

The DS485DIS is an LED display module allowing the connection and summing of up to eight (8) DSC or DLC devices. The display enables the use of DSC or Dcells without the need for permanent connection to a PC or PLC.

The display can toggle between gross and zeroed net display and optionally allows the user to cycle through the individual displays that form the sum. The inputs are all synchronised so the summed display is a true representation of the instantaneous input without skew.



Requirements

This display can connect to various RS485 DSC and DLC devices with the MantraBus II protocol. Suitable devices are: DSC4SMAN, DSC4HMAN, DLCSMAN and DLCHMAN.

The DSC and DLC devices must have sequential station numbers from 1 to the total number of devices. The default baudrate is 115200.

Configuration

This module is configured using an RS232 connection to a PC or laptop. and Instrument Explorer software.

LCM Systems can supply this configured as part of a system complete with sensors, including embedded DCELL's or external DSC's. Please contact our technical team to discuss you requirements.

Specification

Electrical

Supply Voltage	8 to 18 vdc
Current Consumption (no modules connected)	200mA max.
Communications Module Communications Bus	RS485 (8 data bits, 1 stop bit, no parity)
Configuration Bus	RS232 (8 data bits, 1 stop bit, no parity)
Display	6 digit red LED (20mm high digits)

Mechanical

Enclosure	Light Grey ABS, with 2off IP68 cable glands
Terminals	2.5mm saddle field terminals
Accessibility	All electronics and connections accessible by removing lid

CE & Environmental

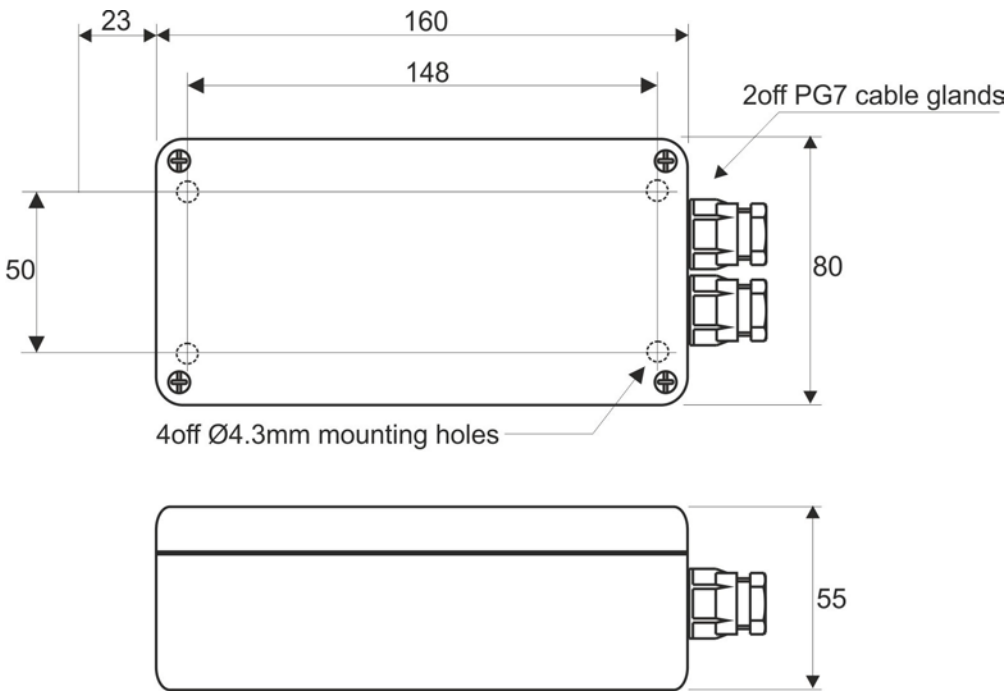
Environmental Protection	IP65
Storage temperature	-20 to +70ºC
Operating temperature	-10 to 50°C
Relative humidity	95% maximum non condensing
Low Voltage Directive	2006/95/EC
EMC Directive	2004/108/EC

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Mechanical Dimensions

All dimensions in millImeters



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Due to continual product development, LCM Systems Ltd. reserves the right to alter product specifications without prior notice.

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