TYPE: PMD-SERIAL

PMD-SERIAL RS232 & RS485 Input Panel Mounting Slave Display

Features

- RS232, RS485 or RS422 serial input.
- Menu free setup and calibration
- 14.2mm high red LED display.
- AC or DC powered versions
- Wide choice of analogue, relay or digital outputs
- All option boards are pluggable and can be retro-fitted
- IP65 sealed (option for IP67 sealing)

Typical Applications

- Winch monitoring
- Crane weighing
- Module weighing
- General force measurement

Description



The PMD-SERIAL is a panel mounting display which can be connected to a RS232 or RS485 ASCII serial bus, primarily for use as a remote slave display.

This series of display offers very simple operation and configuration. The PMD-SERIAL does not use a menu system to configure and calibrate the display, making installation and commissioning very straightforward.

To simplify commissioning even further, the product instruction manual provides step by step pictorial details for each function that you may want to configure, saving time searching through an overly complex manual trying to find that one parameter that you wish to change.

Options valuable for the PMD-SERIAL include:-

Input options available include RS232 and RS485/RS422

Power supply options available include 95-265vac, 11-30vdc and 48vac.

Output options available include 4-20mA, 0-10v, ±10v, 2 relay alarms, 4 relay alarms, RS232 or RS485.

The main application for the PMD-SERIAL is for simple crane weighing applications, hoist and winch monitoring, as well as many other force measurement applications.

Different input signals are available including Load Cell/Strain Gauge bridge input (see PMD-STRAIN), process input (see PMD-PROCESS). LCM Systems engineers will be pleased to discuss your specific application requirements with you. They will be able to advise on the correct product selection, options required and advise on suitable sensors, where required.

Specifications

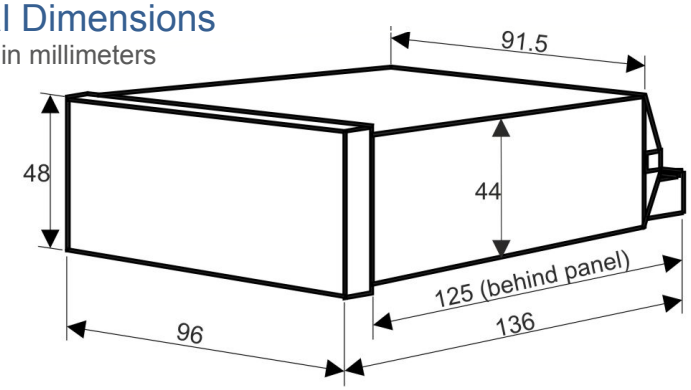
Power Supply:	95-265vac Optional 11-30vdc or 48vac
Power Rating:	10 watts maximum.
Input Signals:	RS232 (with S2 input option) RS485 and RS422 (with S4 input option)
Display Range:	-199999 to 999999
Connections:	All user/installation connections using detachable field screw terminals
Case Material:	Black Polycarbonate
Storage Temperature:	-20 to +70°C
Operating Temperature:	0 to +50°C
Environmental Sealing:	IP65 (optional cover, Part Number SPC4, increases sealing to IP67)

PMD-SERIAL RS232 & RS485
Input Panel Mounting Slave Display

TYPE: PMD-SERIAL

Mechanical Dimensions

All dimensions in millimeters

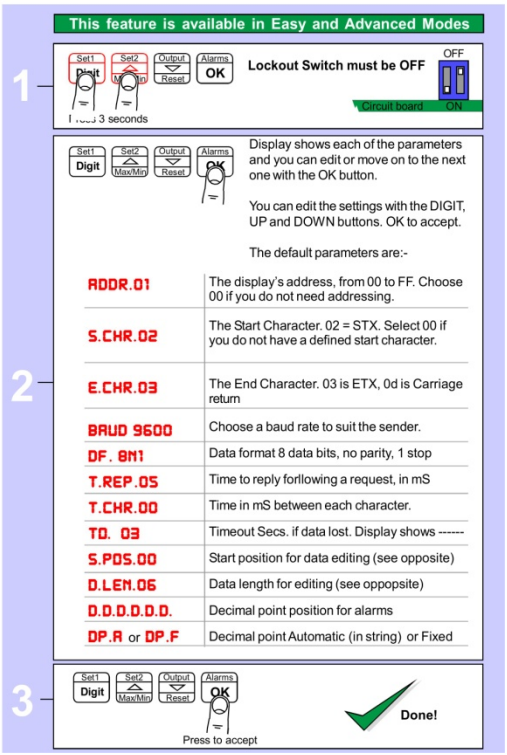


Panel cutout should be 92mm wide x 45mm high, +1mm, -0mm
1/8 DIN. Depth behind panel 125mm max, including cables.

Example of Simple Manual Instructions

Serial Data settings

Choose the serial data settings to suit the transmitting device.



Product Order Codes

Ordering Guide. Create a full part number like this:-

Model	Input Signal	Analogue Output	Alarm Output	Serial Data Output	Supply Voltage
PMD-SERIAL	RS232 -S2 RS485/RS4221 -S4	No output -0 4-20mA -ANI 0-10V -ANV +/-10V -ANB	No alarms -0 2 alarms -AL2 4 alarms -AL4	No data -0 RS232 -232 RS485 -485	95-265VAC-AC 11-30VDC -DC 48VAC -48VAC

Example - PMD-SERIAL display with RS485 input, 4-20mA output, 2 alarms and 110vac powered.

Order Code will be PMD-SERIAL-S4-ANI-AL2-0-AC

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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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