TYPE: LD-SERIAL

LD-SERIAL RS232 & RS485 Input Large Digit Slave Display

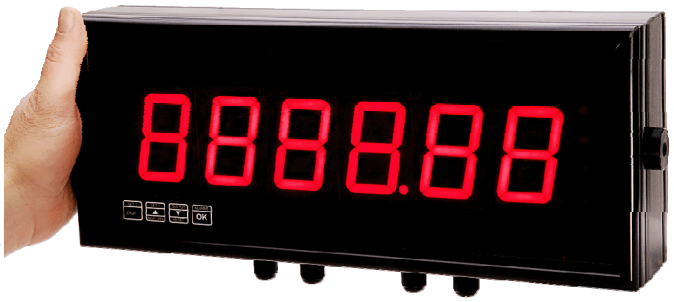
Features

- RS485 Digital Input
- Digit heights 57, 102, 150, 200, 300 or 400mm
- Viewing distances from 25, 50, 75, 100, 140 or 200 metres
- Suspension, panel or wall mounting options
- AC or DC powered versions
- Wide choice of analogue, relay or digital outputs
- IP65 sealed

Typical Applications

- Crane weighing
- Winch monitoring
- Platform weighing
- Module weighing

Description



The LD-SERIAL is a large digit display, used as a slave display with connection by RS232 or RS485.

It can be used to interface with various products available from LCM Systems including; LCA15, ADW15, SMW, T24-SO, MAX etc.

Various options are available including, 4 or 6 digit versions, different height digits allowing viewing from up to 200 metres, DC or AC powering and different mounting options.

The digit heights that are available include 57mm (25m viewing distance), 102mm (50m viewing distance), 150mm (75m viewing distance), 200mm (100m viewing distance), 300mm (140m viewing distance) and 400mm (200m viewing distance).

Mounting options available include Panel Mounting, Suspension Mounting (from top of display) and Wall Mounting (from bottom of display).

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 LD-STRAIN is for simple crane weighing applications, hoist and winch monitoring etc. The various output options available allow for the re-transmission of the display signal or for process control.

Different input signals are available including Load Cell/Strain Gauge input (see LD-STRAIN), process input (see LD-PROCESS) or wireless version (see LD-WIRELESS). 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:	40 watts maximum.
Input Signal:	RS232 (with S2 option) RS422 or RS485 (with S4 option)
Baud Rates:	Selectable from 300 to 115200 baud
Display Update Rate:	10 readings per second
Display Range:	4 digit version: -1999 to 9999 6 digit version: -199999 to 999999
Connections:	All user/installation connections using detachable field screw terminals
Case Material:	Heavy Duty PVC
Storage Temperature:	-20 to +70°C
Operating Temperature:	0 to +50°C (internal heater option to allow operation to -25°C)
Environmental Sealing:	IP65

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

Model	Display Height	Digits	Input Signal	Analogue Output	Alarm Output	Serial Data Output	Colour	Supply Voltage	Mounting & Gland position & Sealing
LD-SERIAL	2" 57mm digits -F2 4" 102mm digits -F4 6" 150mm digits -F6 8" 200mm digits -F8 12" 300mm digits -F12 16" 400mm digits -F16	4 digits numeric -4N 6 digits numeric -6N	RS232 -S2 RS485/RS422 -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	Indoor Viewing Red -R Outdoor Viewing Red -RDLV	95-265VAC-AC 11-30VDC -DC 48VAC -48VAC	Panel, IP65 front -1 Wall, bottom, IP65 -2 Suspension, top, IP65 -3

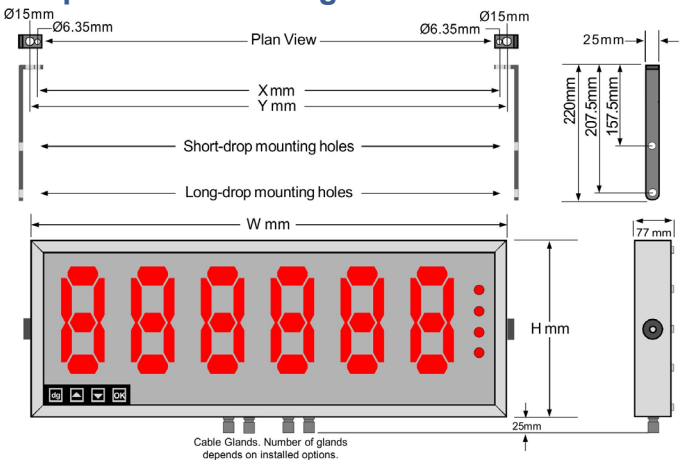
Example - LD-SERIAL display 102mm high digits, 4 display digits, RS485 Input, 2 alarms, Red digit colour, 110vac powered with suspension mount

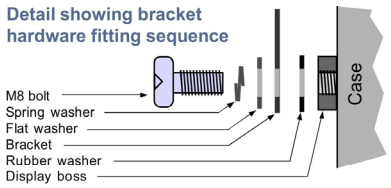
Order Code will be LD-SERIAL-F4-4N-S4-0-AL2-0-RDLV-AC-3

LD-SERIAL RS232 & RS485
Input Large Digit Slave Display

TYPE: LD-SERIAL

Suspension Mounting Dimensions



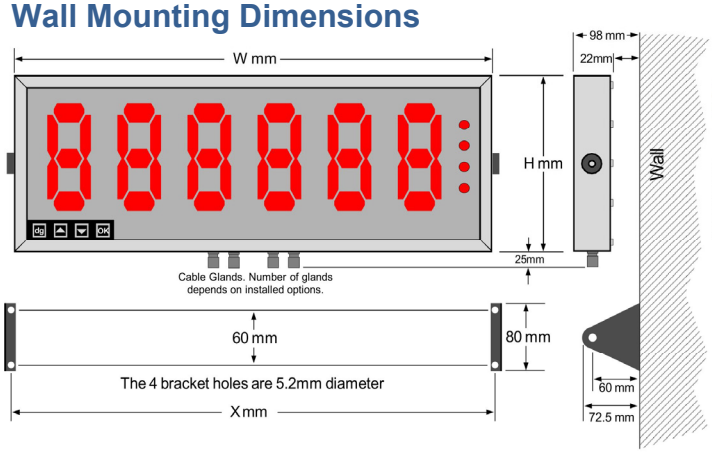


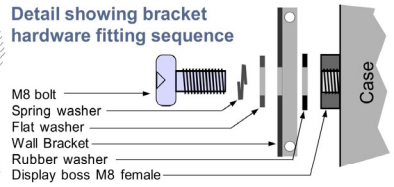
You can order these displays with the cable glands in the bottom surface (as shown) the rear, or top.

Rear glands allow you to mount the display on top of a cubicle, using the brackets shown.

	57mm digits		102mm digits		150mm digits		200mm digits		300mm digits		400mm digits	
	4 digit	6 digit	4 digit	6 digit	4 digit	6 digit	4 digit	6 digit	4 digit	6 digit	4 digit	6 digit
X mm	233.5	330	388	570	434	774	704	1026	1004	1494	1322	1974
H mm	154.5	154.5	195.5	195.5	246	246	290	290	408	408	515	515
W mm	279.5	376	434	616	580	820	750	1072	1050	1540	1368	2020
Y mm	263.5	360	418	600	564	804	734	1056	1034	1524	1352	2004

Wall Mounting Dimensions

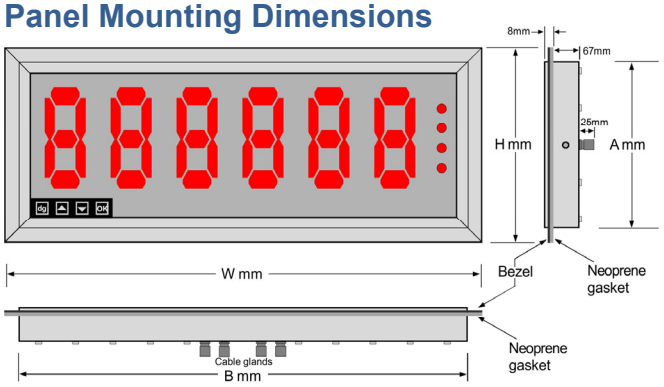


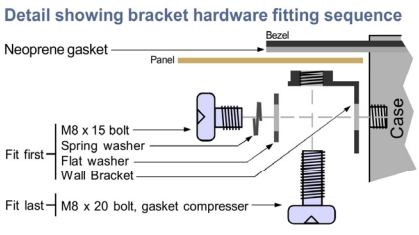


The side holes in the two brackets are 8.5mm dia. to accept M8 bolts.

	57mm digits		102mm digits		150mm digits		200mm digits		300mm digits		400mm digits	
	4 digit	6 digit	4 digit	6 digit	4 digit	6 digit	4 digit	6 digit	4 digit	6 digit	4 digit	6 digit
X mm	280.5	377	435	617	581	821	751	1073	1051	1541	1369	2021
H mm	154.5	154.5	195.5	195.5	246	246	290	290	408	408	515	515
W mm	279.5	376	434	616	580	820	750	1072	1050	1540	1368	2020

Panel Mounting Dimensions





Panel cutout dimensions
A+3mm(h) x B+3mm(w)

	57mm digits		102mm digits		150mm digits		200mm digits		300mm digits		400mm digits	
	4 digit	6 digit	4 digit	6 digit	4 digit	6 digit	4 digit	6 digit	4 digit	6 digit	4 digit	6 digit
H mm	172.5	172.5	213.5	213.5	264	264	308	308	426	426	533	533
A mm	154.5	154.5	195.5	195.5	246	246	290	290	408	408	515	515
B mm	279.5	376	434	616	580	820	750	1072	1050	1540	1368	2020
W mm	297.5	394	452	634	598	838	768	1090	1068	1558	1386	2038

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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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