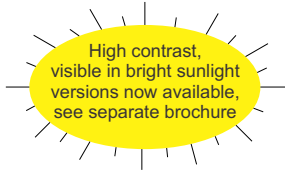


Large Digit Display – 100mm digit height

LD-232, LD-485 or LD-CL serial input

The LD-232, LD-485 and LD-CL range of large digit displays is designed for use with a serial input. The instruments can be configured recognise and edit a data stream to ignore unwanted information. Flexible setup and a number of operation modes give the display great versatility and enables it to be used in a wide variety of applications.



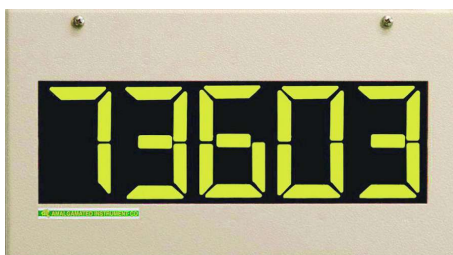
Display examples



4 digit 100mm Red LED



4 digit 100mm Green High Contrast (S/S Case)



5 digit 100mm Yellow Flip Digit



6 digit 100mm Red LED

Features

- Visible from 50 metres
- 4 or 6 digit 100mm Red LED
- High contrast daylight viewable versions now available in red, green, amber or white LED
- 4, 5 or 6 digit 100mm Yellow Electromagnetic
- Models for RS232 or RS485 or Serial current loop inputs
- Simple ASCII input modes for display of numbers and certain Alpha characters
- Arithmetic mode allows inputs from up to 8 other devices from the same manufacturer with versatile arithmetic operations being used to produce an arithmetic result.
- NMEA mode for compatible meteorological sensors
- Scanning and comma separated modes for sequential display from multiple instruments or comma separated strings of multiple values
- Modbus mode for input from Modbus RTU
- IP65 rated wall mount enclosure, powder coated steel standard, stainless steel optional
- 2 configurable setpoint relays standard rated at 240VAC, 5A into a resistive load, form C
- Pushbutton setup and scaling
- Remote inputs can be configured to one of a wide range of functions including zero, display hold, peak hold, etc.
- The auto-brightness feature for LED displays varies the display brightness to suit the ambient light
- 2 year guarantee
- See separate brochures for 38, 45, 57mm, 58mm and 200mm display models

LDSERL100-4.1-0

AMALGAMATED INSTRUMENT CO PTY LTD

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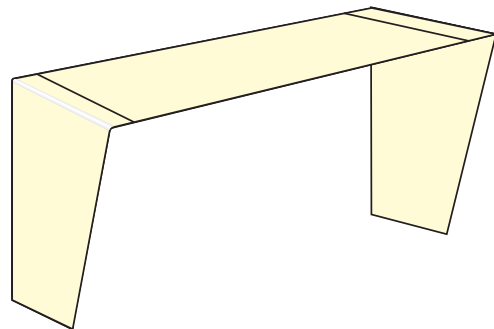
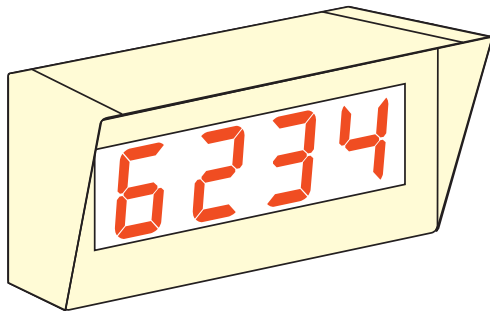
e-mail: sales@aicpl.com.au
Internet: www.aicpl.com.au

Specifications

Input types	RS232, RS485 or 20mA serial current loop models available (input type is factory configured)
Baud rate	300, 600, 1200, 2400, 4800, 9600, 19200 or 38400 baud (selectable)
Microprocessor	MC68HC11 CMOS
Ambient temp	-10°C to 60°C
Humidity	5% to 95%
Display types:	100mm 4 or 6 digit red LED 100mm 4 or 6 digit red, green, amber or white high contrast LED 100mm 4 digit yellow electromagnetic (flip digit) 100mm 5 digit yellow electromagnetic (flip digit) 100mm 6 digit yellow electromagnetic (flip digit) See separate brochures for other display sizes
Power supply:	See order code table (type is factory configured)
Power usage:	DC supply: typically 300mA at 24VDC for 4 digit standard LED displays (1A peak), typically 450mA at 24VDC for 6 digit standard LED displays (1.5A peak), typically 600mA at 24VDC for 4 digit high contrast LED displays (1A peak), typically 900mA at 24VDC for 6 digit high contrast LED displays (1.5A peak), typically 1A for electromagnetic displays (4A peak) (plus current for sensor if on board supply is used)
Outputs (standard):	2 x relays, form C, rated at 240VAC, 5A resistive
Outputs (optional):	See order code table
Relay action:	Programmable N.O. or N.C.
Environmental rating:	IP65
Weight:	4 digit displays 10.5kg, 5 digit displays 12kg, 6 digit displays 13.5kg
Dimensions:	4 digit displays 450 x 250 x 155mm 5 digit displays 520 x 250 x 155mm 6 digit displays 650 x 250 x 155mm

Optional shrouds

Shroud kits for 100mm displays consist of 2 side panels, a top plate (length is model dependant) and fixing hardware. The overhang of the shroud is 90mm for all models. The shrouds are of powder coated zinc coated steel to match the metal enclosures.



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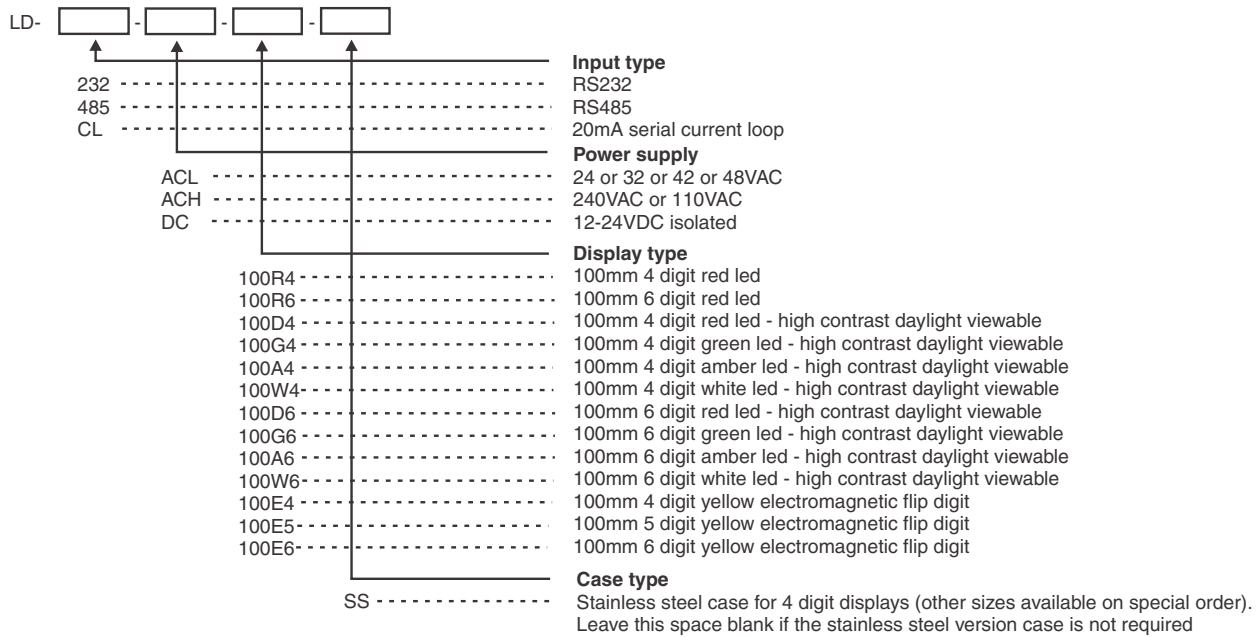
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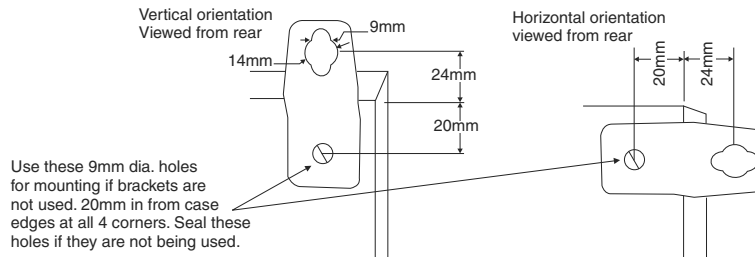
Order codes for 100mm serial input displays



Mounting brackets

The 100mm models are shipped with 4 metal brackets and mounting hardware.

The diagrams illustrate vertical and horizontal installation of these brackets. If mounting without the brackets, then the 9mm diameter case holes provided for the brackets can be used as alternative mounting holes. If the brackets are not used in mounting, then these holes should be sealed against dust and water.



Applications/input types available with large digit display models

- Analog input, process transmitters etc. $\pm 20\text{mA}$, 4-20mA or $\pm 2.5\text{VDC}$ or $\pm 25\text{VDC}$
- Pulse input, rate, total, count, grand total (encoders, switches, proximity sensors etc.)
- Temperature - RTD, thermocouple, 4-20mA
- Weighing - 4 or 6 wire mV/V output loadcells
- Pressure measurement - 4 or 6 wire mV/V pressure sensors or 4-20mA analog transducers
- Liquid level measurement - 4 or 6 wire mV/V pressure sensors or 4-20mA analog transducers
- Serial input - RS232, RS485, Serial current loop for slave displays etc.
- Synchronous Serial Interface (SSI) for high accuracy position etc. measurement
- Binary, BCD or Gray Code input
- Real Time clock with alarms
- Multifunction timer - elapsed time, stopwatch, run time etc.

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