Large Digit Display – 38mm, 45mm & 57mm digit height LD-IV Analog input

Displays

6 digit x 38mm high LED (visibility to 18m)

5 digit x 45mm high LED (visibility to 20m)

4 digit x 57mm high LED (visibility to 25m)

your choice of printed units on the front panel

Manufactured by a Quality Endorsed Company
AUSBUY
PROUDLY 100 AUSTRALIAN
EMC COMPLIANT

Applications

The LD-IV with the 38, 45 & 57mm displays are ideal for applications where load, pressure,weight or position indications need to be visible from a distance. Foundries, smelters, weighbridges, storage tanks and silos are just some of the possible applications. The display can be scaled to display in different engineering units such as metres (level or position), percentage (level, contents or capacity) or tonnes (load or weight).

Features

- 6 x 38mm LED - visibility rating to 18m
- 5 x 45mm LED - visibility rating to 20m
- 4 x 57mm LED - visibility rating to 25m
- Scalable display from analog input
- IP65 rated wall mount enclosure
- Dual analog retransmission model available
- 4 configurable setpoint relays standard capacity 240VAC, 5A, form C
- Panel mount kit available
- Pushbutton setup and calibration
- 2 year guarantee
- 2 calibration memories can be stored
- 3 configurable remote inputs as standard
- Remote inputs can be configured to one of a wide range of functions including zero, tare, peak hold, etc.
- Transmitter supply 10VDC (±5VDC), 24VDC (±12VDC) standard

Description

The LD-IV range is designed for a wide range of applications with analog or slidewire input.

- ±20mA, 4-20mA
- ±2.5VDC, ±25VDC
- Slidewire: 0-1kΩ to 0-1MΩ potentiometer

Some jumpers are set within the instrument to define the input type but calibration, alarm settings, decimal point etc are all carried out using the push buttons on the main board of the instrument (57mm display) or on the front panel (38mm and 45mm displays).

The 38mm, 45mm and 57mm LED displays are housed in rugged, IP65 rated, ASA enclosures.

Data logging option

Optional datalogging is available for the LD-IV strain bridge input monitor. The option offers 32K, 128K or 512K capacity. The feature includes software that giving a graphical display and also formats the data for use with other products such as spreadsheets. The feature requires the LD-IV to have serial communications installed.

AMALGAMATED INST

Unit 5, 28 Leighton Place Hornsby
NSW 2077 Australia

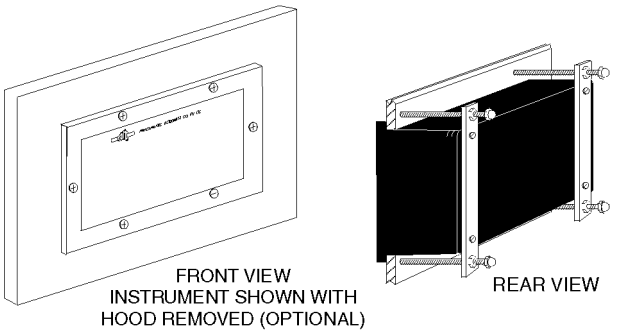
Order Codes

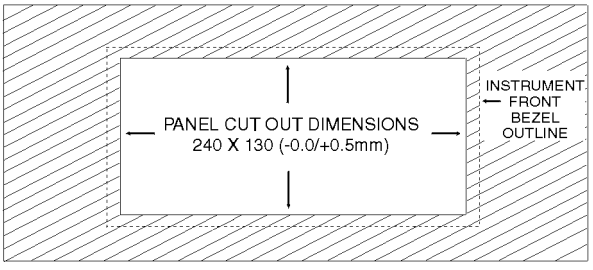
Order Code	Display	Supply Voltage
LD-IV-240-38R6	6 digit LED	240VAC
LD-IV-110-38R6	6 digit LED	110VAC
LD-IV-ACD-38R6	6 digit LED	12-48VAC
LD-IV-DC-38R6	6 digit LED	12-48VDC isolated
LD-IV-240-45R5	5 digit LED	240VAC
LD-IV-110-45R5	5 digit LED	110VAC
LD-IV-ACD-45R5	5 digit LED	12-48VAC
LD-IV-DC-45R5	5 digit LED	12-48VDC isolated
LD-IV-240-57R4	4 digit LED	240VAC
LD-IV-110-57R4	4 digit LED	110VAC
LD-IV-ACD-57R4	4 digit LED	12-48VAC
LD-IV-DC-57R4	4 digit LED	12-48VDC isolated

Order Codes
dual analog retransmission models

Order Code	Display	Supply Voltage
LD-IV-240-38R6-AA	6 digit LED	240VAC
LD-IV-110-38R6-AA	6 digit LED	110VAC
LD-IV-ACD-38R6-AA	6 digit LED	12-48VAC
LD-IV-DC-38R6-AA	6 digit LED	12-48VDC isolated
LD-IV-240-45R5-AA	5 digit LED	240VAC
LD-IV-110-45R5-AA	5 digit LED	110VAC
LD-IV-ACD-45R5-AA	5 digit LED	24-48VAC
LD-IV-DC-45R5-AA	5 digit LED	12-48VDC isolated
LD-IV-240-57R4-AA	4 digit LED	240VAC
LD-IV-110-57R4-AA	4 digit LED	110VAC
LD-IV-ACD-57R4-AA	4 digit LED	12-48VAC
LD-IV-DC-57R4-AA	4 digit LED	12-48VDC isolated

Panel Mounting Options

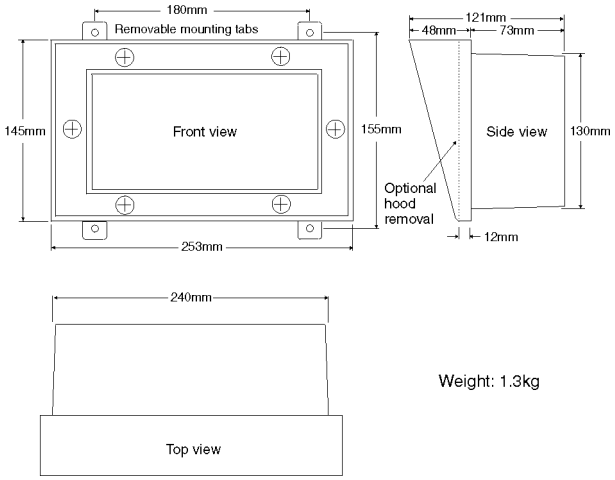




Technical Specifications

Input types	±20mA, 4-20mA ±2.4VDC, ±25VDC (ideal for 0 to 10VDC transmitters) Slidewire: 0-1kΩ to 0-1MΩ potentiometer
Accuracy	Better than 0.1% when calibrated
Sample rate	5 samples/second
Microprocessor	MC68HC11 CMOS
Ambient temperature	-10°C to 60°C
Humidity	5% to 95%
Outputs	4 x setpoint relays, form C, rated 5A at 240VAC (resistive load) Optional dual analog retransmission Transmitter supply: 10VDC (50mA max), ±5VDC (25mA max), 24VDC (25mA max) or ±12VDC (25mA max) link selectable
Power Supply	See order code table (type is factory configured)
Power Consumption	AC supply: 15VA max, DC supply: depends on supply voltage, typically 500mA (2A peak) for 24VDC using non isolated DC supply

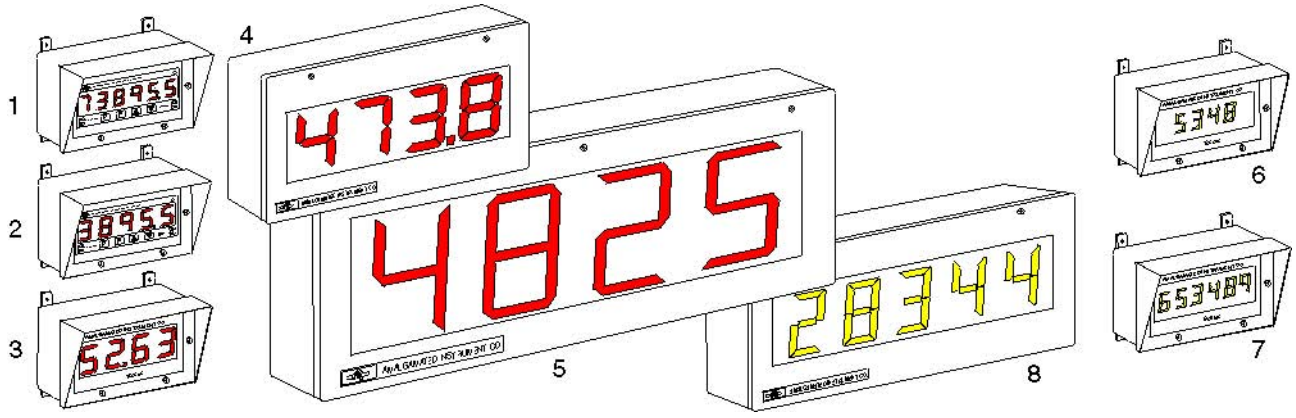
Dimensions



Options

Option Code	Description
LD-OPT-IW-232	RS232 serial comms, non-isolated
LD-OPT-IW-485	RS485 serial comms, non-isolated
LD-MTG-PM-KIT	Panel Mount Kit
LD-HOOD-REMOVAL	Front hood removal
Data logging options - Request separate brochure or download http://www.aicpl.com.au/brochures/dloadbr.pdf	

Displays available in Large Digit Series



No.	LED digit size	No of digits	No.	"FLIP" digit size	No of digits
1	38mm (1.5")	6	6	39mm (1.5") - selected models	4
2	45mm (1.8")	5	7	39mm (1.5") - selected models	6
3	57mm (2.3")	4	8	100mm (4")	4, 5 and 6
4	100mm (4")	4 and 6	Other sizes and styles of display are under development		
5	200mm (8")	4			

Other applications available with large digit displays

- Analog input, process transmitters etc.
  4-20mA, 0-1VDC, 0-10VDC, slidewire
- Rate, total, count, grand total from pulse input
- Temperature - RTD, thermocouple, 4-20mA
- Weighing - mV/V ratiometric loadcells
- Pressure measurement - mV/V ratiometric or analog transducers
- Liquid level measurement - mV/V ratiometric or analog transducers
- Serial input - RS232, RS485, Current loop
- Synchronous Serial Interface (SSI)
- Binary, BCD or Gray Code input
- Real Time clock with alarms
- Multifunction timer - elapsed time, stopwatch, etc.
- Time and Temperature

FACTORY CONTROLS
Ph: 03 5278 8222 Fax: 03 5278 9761
65 Douro Street, North Geelong VIC 3215
www.factorycontrols.com.au