Large Digit Display – 200mm digit height
LD-IV Analog input

DCmA, DCmV, DCV or slidewire

Features

- Visible up to 100m
- Scalable display from analog input including transmitters
- IP65 rated wall mount enclosure
- Optional dual 4-20mA analog transmission model available
- 4 configurable setpoint relays standard capacity 240VAC, 5A, form C
- Pushbutton setup and calibration
- 2 year guarantee
- Display can be scaled as required without special tools
- Two calibration memories can be stored
- Remote programmer available for ease of setup
- 3 configurable remote inputs as standard
- Remote inputs can each 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 is designed for a wide range of applications with analog or slidewire input.

- ± 20mA, 4 to 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.

The 200mm LED digit displays are housed in rugged, IP65 rated, powder coated zinc coated steel enclosures.
A shroud is available for the 200mm displays to provide some protection from direct light if required.

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Applications

The LD-IV with the 200mm displays will be ideal for those applications where load, pressure, weight or position indications, for example, need to be visible from a distance of up to 100m. Foundries, smelters, weighbridges, storage tanks, and silos are just some of the possible applications for these large digit displays. 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). The zero or tare functions available on the remote inputs are very valuable in applications involving position sensing for example.

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

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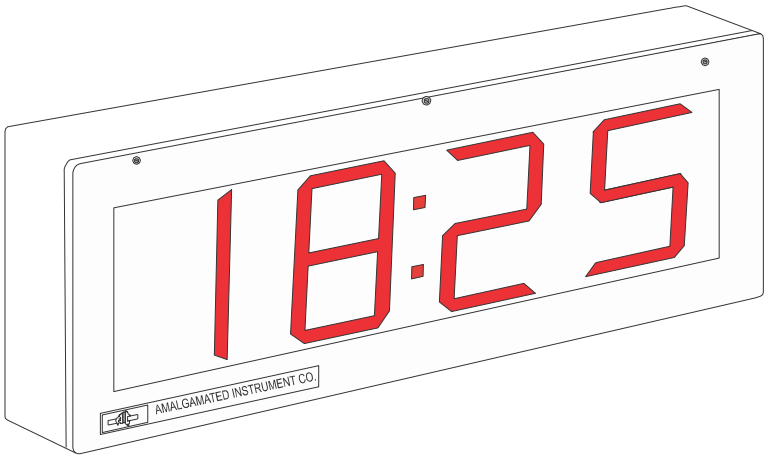
Dimensions



Length	850mm
Height	360mm
Depth	155mm
Weight	13kg (packed)

Order Codes

Order Code	Display	Supply Voltage
LD-IV-ACH-200R4	4 digit LED	110 or 240VAC
LD-IV-ACL-200R4	4 digit LED	24, 32, 42 or 48VAC
LD-IV-DC-200R4	4 digit LED	12-24VDC isolated

Order Codes - dual analog retransmission models

Order Code	Display	Supply Voltage
LD-IV-ACH-200R4-AA	4 digit LED	110 or 240VAC
LD-IV-ACL-200R4-AA	4 digit LED	24, 32, 42 or 48VAC
LD-IV-DC-200R4-AA	4 digit LED	12-24VDC isolated

Options

Option Code	Description
LD-OPT-IW-232	RS232 serial comms, non-isolated
LD-OPT-IW-485	RS485 serial comms, non-isolated
LD-OPT-IW-485-I	RS485 serial comms, isolated
LD4-2004-SHROUD	Shroud for 200R4 displays
LD-RC10	Hand held remote programmer
LD-OPT-IW-DL1	Data logger 32K with Windows compatible software
LD-OPT-IW-DL2	Data logger 128K with Windows compatible software

Technical Specifications

Input	± 20mA, 4 to 20mA, ± 2.5VDC, ± 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 temp	-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
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
Optional model	Model with dual 4-20mA retransmission available