Large Digit Display – 20 to 58mm digit height
LD5-RTT and LE5-RTT Range
Clock and temperature display

The LD5-RTT and LE5-RTT range of large digit displays are clock displays with the facility to attach a temperature sensor for time and temperature display if required. The length of time the temperature is displayed and the length of time the time is displayed is adjustable by the user. LE5 model versions include Ethernet communications web page. High contrast versions, viewable even in bright sunlight are available in 38mm and 58mm digit height in red, green, amber or white. Clock synchronisation can be set to be from either the units internal clock generator, the 50Hz mains frequency, the 60Hz mains frequency or an optional GPS satellite receiver or NTP (LE5 version only).

Displays
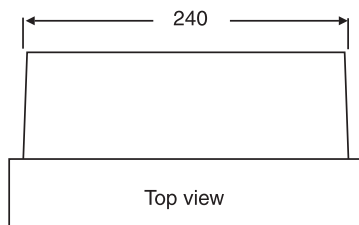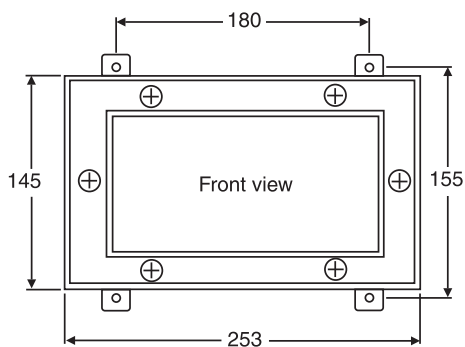

6 digit 38mm high red LED (visibility to 18m)
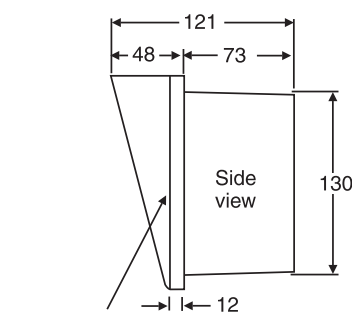

4 digit 57mm high red LED (visibility to 25m)

4 digit high contrast 58mm high green LED
(visibility to 25m)

Features

- 6 x 20mm LED - visibility rating to 10m
- 6 x 38mm LED - visibility rating to 18m
- 5 x 45mm LED - visibility rating to 20m
- 4 x 57mm or 58mm LED - visibility rating to 25m
- High contrast, daylight viewable 38 or 58mm versions in green, red, amber or white
- IP65 rated wall mount enclosure
- 4 configurable setpoint relays standard rated at 240VAC, 5A into a resistive load
- Panel mount kit available
- Pushbutton setup
- Automatic daylight saving adjustment
- Ethernet with web page in LE5 models
- Isolated RS232/RS485 serial communications optionally available. Both RS232 and RS485 are fitted but only once at a time can be used
- The auto-brightness feature for LED displays varies the display brightness to suit the ambient light
- 2 year guarantee

Front view
180
145
155
253

Top view
240
All dimensions in mm

Side view
121
48
73
130
12
Can be ordered
with or without hood

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Specifications

Memory	Battery backed time memory
Display types:	20mm 6 digit red led
	38mm 6 digit red, green, amber or white LED with alarm annunciators and 4 way keypad
	45mm 5 digit red LED with alarm annunciators and 4 way keypad
	57mm 4 digit red or 58mm 4 digit red, green, amber or white LED
Ambient temp:	-10°C to 60°C
Humidity:	5% to 95% non condensing
Power supply:	See order code table (type is factory configured)
Power usage:	AC supply 15VA max,
	DC supply typically 100mA at 24VDC for 38 & 45mm standard brightness,
	250mA at 24VDC for 57mm or 38 & 58mm high contrast
Outputs (standard):	4 x relays, (1 x form C, 3 x form A), rated at 240VAC, 5A resistive
Outputs (optional):	See order code table (type is factory configured)
Relay action:	Set day, switch on time and duration and select relay
Environmental rating:	IP65
Weight:	1.3 kg
Dimensions:	See front page
	See separate brochures for other display sizes

Applications/input types available with large digit display models - see individual brochures

- 8 channel scanning, RTD, Thermocouple and 4-20mA/DCV input versions available
- Analog input, process transmitters etc. ±20mA, 4-20mA or ±2.5VDC or ±25VDC
- 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 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.

LD5RTT2058-1.0-0

Order codes for 20, 38, 45, 57 or 58mm displays

The last section is for optional outputs (if required).
Optional outputs are factory configured.

Main input board type

LD5 — Input board without Ethernet, datalogger or Web page
LE5 — Input board with Ethernet and 8MB data logger memory plus Web page

Power supply

ACH — 240VAC/110VAC
ACL — 24 to 48VAC
DC — 12-48VDC isolated
DCN — 24V non isolated

Display type

20R6 — 20mm 6 digit red LED - with front pushbuttons and alarm anunciators
38R6 — 38mm 6 digit red LED - with front pushbuttons and alarm anunciators
38D6 — 38mm 6 digit red LED - with front pushbuttons and alarm anunciators, high contrast daylight viewable
38G6 — 38mm 6 digit green LED - with front pushbuttons and alarm anunciators, high contrast daylight viewable
38A6 — 38mm 6 digit amber LED - with front pushbuttons and alarm anunciators, high contrast daylight viewable
38W6 — 38mm 6 digit white LED - with front pushbuttons and alarm anunciators, high contrast daylight viewable
45R5 — 45mm 5 digit red LED - with front pushbuttons and alarm anunciators
57R4 — 57mm 4 digit red LED
58R4 — 58mm 4 digit red LED - high contrast daylight viewable
58G4 — 58mm 4 digit green LED - high contrast daylight viewable
58A4 — 58mm 4 digit amber LED - high contrast daylight viewable
58W4 — 58mm 4 digit white LED - high contrast daylight viewable

Optional outputs

S — RS232/RS485 serial communications - isolated
U — USB communications port - isolated
SU — RS232/RS485 plus USB port - isolated
SRRRR — RS232/RS485 serial communications plus 4 extra relays
URRRR — USB port plus 4 extra relays
SURRRR — RS232/RS485 plus USB port plus 4 extra relays
I — 4-20mA analog retransmission 12 bit - isolated
A — 4-20mA, 0-1VDC or 0-10VDC analog retransmission 16 bit - isolated
IRRRR — 4-20mA analog retransmission 12 bit - isolated plus 4 extra relays
ARRRR — 4-20mA, 0-1V or 0-10VDC output 16 bit - isolated plus 4 extra relays
RRRR — 4 extra relays
II — Dual 4-20mA output 12 bit - isolated
AA — Dual 4-20mA output plus RS485 serial communications - isolated

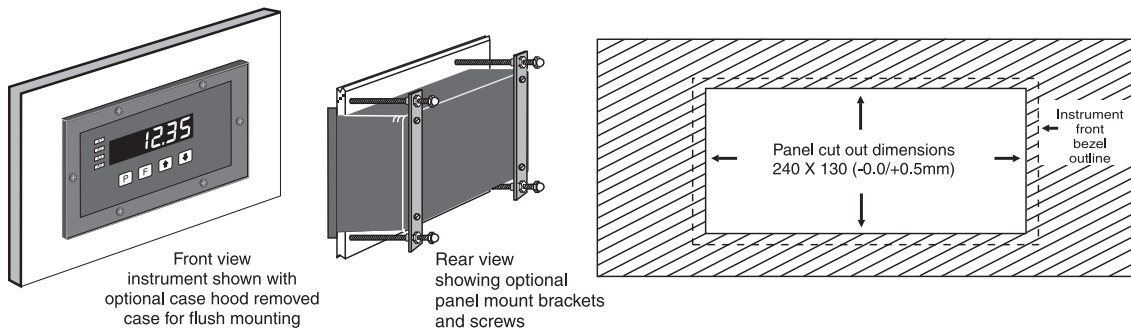Ethernet, data logger memory and web page cannot be retrofitted to existing LD5 models.

Panel mounting

The instrument is provided with removable surface (e.g.wall) mounting tabs mounting to cover most common timing requirements. A panel mount kit is optionally available which allows the instrument to be mounted in a panel cut out. If required the instrument can be optionally supplied with the front hood removed to allow a more flush panel mount fitting.
Part number for panel mount kit: LD-MTG-PM-KIT
Part number for hood removal: LD-HOOD-REMOVAL

Front view
instrument shown with
optional case hood removed
case for flush mounting

Rear view
showing optional
panel mount brackets
and screws

Panel cut out dimensions
240 X 130 (-0.0/+0.5mm)

Instrument
front
bezel
outline

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