

# LARGE DIGITAL LED ' A TO D ' PROCESS DISPLAYS

## INDUSTRY STANDARD INPUTS

Scalable Voltage – 0-5Vdc, 1-5Vdv, 0-10Vdc

Scalable Current – 0-20mA, 4-20mA



## INDOOR OR OUTDOOR USE

3, 4, 5, Digits – High Brightness LED

Series Display Numerically, any engineering units, such as

Current, Depth, Flow, Hz, Height, RH, Level, Power, Pressure, Speed, Temperature, Velocity, Volts, Weight, .....etc.

## LARGE DIGITAL LED A TO D DISPLAYS

### GENERAL OVERVIEW – APPLICATIONS

These robust displays are available as single line displays or multiline, all accepting **INDUSTRY STANDARD INPUTS** 0-20mA, 4-20mA or 0-5Vdc, 1-5Vdc, 0-10Vdc for displaying any engineering units for Indoor or Outdoor applications with appropriate IP and NEMA rating cases.

### SERIES FEATURES

- 3, 4, 5 digit option
- Scalable ranging
- Scalable decimal point positioning
- Programmable last digit round up
- Wide Input Voltage options 95~265Vac, 24Vdc, 12Vdc

## SERIES SCALE RANGES

- 3 Digit -19~999
- 4 Digit -199~9999
- 5 Digit -1999~99999

## OUTPUT

- 24Vdc isolated output STANDARD on all displays
- Alarm output options

## FASCIA LEGENDS / SYMBOLS

Any legend can be fitted to depict the ENGINEERING UNITS being displayed – here are some examples but you can have what you want.

**NO EXTRA CHARGE IS MADE FOR THIS**

**°C °F PPM % A V mm pH Bar**

**Rate/Min Feet lbs Kg rpm Mph**

**Kmh KW kwH t M/min TON**

**PH sec dB g Hz Watt**



## LARGE DIGIT HEIGHT OPTIONS

HIGH LED Digit options 2.3" (58mm) 4" (102mm) 6" (152mm) 8" (203mm) 12" (305mm) 14" (355mm) 16" (405mm) 18" (457mm)

## LED DISPLAY VIEWING DISTANCES

The viewing distances shown below are true to the LED manufacturers specifications and will give **CLEAR UNAMBIGUOUS READING – They are NOT to be taken as Maximum distances.**

**We have given a fair distance chart below for consideration.**

• 2.3" (58mm)	Clear viewing up to 15 meters / 50 feet
• 4.0" (102mm)	Clear viewing up to 35 meters / 115 feet
• 6.0" (160mm)	Clear viewing up to 55 meters / 180 feet
• 8.0" (203mm)	Clear viewing up to 75 meters / 246 feet
• 12.0" (305mm)	Clear viewing up to 115 meters / 377 feet
• 14.0" (355mm)	Clear viewing up to 135 meters / 442 feet
• 16.0" (405mm)	Clear viewing up to 155 meters / 508 feet
• 18.0" (457mm)	Clear viewing up to 170 meters / 557 feet

## IP / NEMA ( USA ) ENVIRONMENT PROTECTION RATINGS

All our displays are IP54 / NEMA 13 and IP65 / NEMA 4 rated depending on case chosen

## DAYLIGHT VIEWING LED – HIGH BRIGHTNESS

High brightness LEDS are used for all OUTDOOR applications but in situations of murky INDOOR atmospheres/environments these can also be fitted to ensure visibility at all times.

## POWER SUPPLY OPTIONS

- 95~265Vac
- 24Vdc
- 12Vdc

## MANUAL OR IR REMOTE PROGRAMMING OF LARGE DISPLAY

All displays are usually supplied scaled to order specification.

But the scale range and decimal point positioning can be changed manually or with an IR Remote if ordered with the display.



## MOUNTING OPTIONS OF LARGE DIGITAL DISPLAYS

THREE models are available: **Wall Mounted**, **Flush Panel Mounted** and **Suspension Mounted**



## WALL MOUNT

**All Wall mounting displays have adjustable Tilt side brackets up to 8" ( 203mm ) SINGLE LINE, thereafter they have welded ' L ' shaped fixed corner brackets ( top and bottom )**

CASE H ( HEIGHT ) AND L ( LENGTH )

### 3 DIGIT LED DISPLAY DIMENSIONS

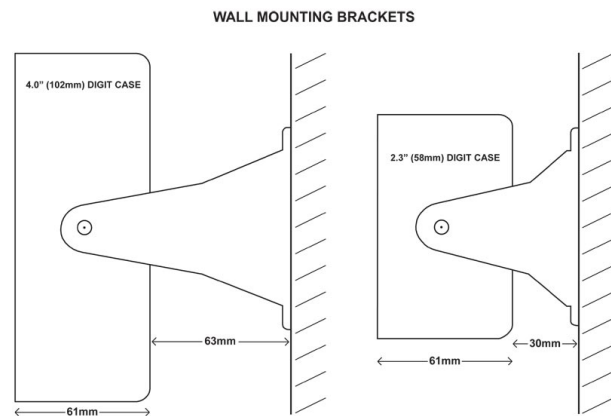
2.3" – H100 x L188mm  
4.0" – H155 x L308mm

### 4 DIGIT LED DISPLAY DIMENSIONS

2.3" – H100 x L241mm  
4.0" – H155 x L400mm

### 5 DIGIT LED DISPLAY DIMENSIONS

2.3" – H100 x L294mm  
4.0" – H155 x L492mm  
**2.3" + 53mm for legend**  
**4.0" + 92mm for legend**



## FLUSH PANEL MOUNT

2.3" (58mm) and 4.0" (102mm) only

The line drawing below shows how the case is fitted into the panel cut out. 3, 4, 5 digits are available to be panel mounted. The case has a low profile FLANGE around its perimeter to give a neat FLUSH finish to enhance any control panel.

CASE H ( HEIGHT ) AND L ( LENGTH )

### 3 DIGIT LED DISPLAY PANEL CUT OUT DIMENSIONS

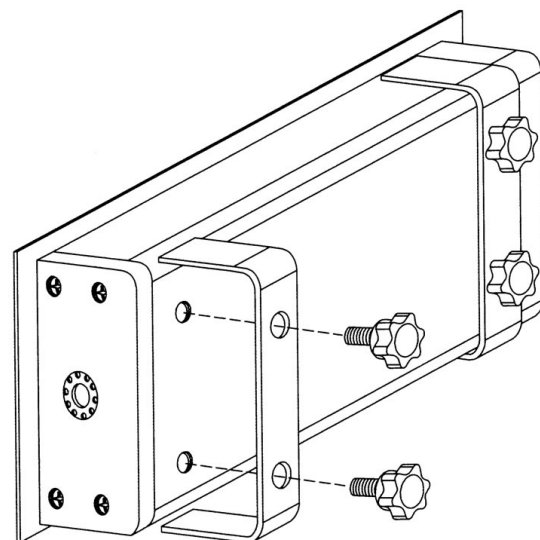
2.3" – H103 x L191mm  
4.0" – H158 x L311mm

### 4 DIGIT LED DISPLAY CUT OUT DIMENSIONS

2.3" – H103 x L244mm  
4.0" – H158 x L403mm

### 5 DIGIT LED DISPLAY CUT OUT DIMENSIONS

2.3" – H103 x L297mm  
4.0" – H158 x L495mm  
**2.3" + 53mm for legend**  
**4.0" + 92mm for legend**



**2.3" and 4.0" PANEL MOUNTING CASE**

## SUSPENSION MOUNT

Usually used for a DOUBLE SIDED LARGE DISPLAY, to be hung from the ceiling or overhead gantry.

**Most Large Digit Large DIGIT LED Displays that are suspension mounted have LARGE DIGITS in excess of 4" (102mm) HIGH so we do not try to give dimensions for the different sizes here and would request you to consult our Sales Office, when you have decided and DIGIT HEIGHT and number of DIGITS.**



## MULTI LINE LARGE DIGIT DISPLAYS

Most Large Digit displays in this series are SINGLE LINE, but MULTI LINE Large Digit displays are available and can be supplied with –

- Different Digit Heights on each line
- Different Input signal type on each line
- Different number of LED digits on each line

Multi line Large Digit displays can be **FIXED WALL** or **SUSPENSION Mounting**



## LARGE DIGIT CASE MATERIALS

- Indoor enclosures are extruded Aluminium finished in matt black powder coat paint with matching ABS side panels
- Outdoor cases are pressed Steel finished in matt black powder coat paint
- Stainless steel 304 or 316 cases are also available for Indoor or Outdoor application

## GENERAL SPECIFICATIONS OF LARGE DIGITAL LED ‘ A TO D ‘ PROCESS DISPLAYS

### LED COLOURS AVAILABLE

- 2.3" (58mm)  only
- 4.0" (102mm)  or 
- 4.0" (102mm)  /  Colour change at presets

### LAST DIGIT ROUND UP

Programmable 5, 10, 20, 50

### DECIMAL POINT POSITIONING

1, 2, 3, 4 places depending on number of digits ordered

### ALARM OUTPUTS

All displays are available with ALARM output options.

High or Low and High / Low

One or two Alarms are available. Each Alarm has a 3A SPCO Relay

### SERIAL DATA OUTPUTS

All displays are available with a retransmission RS-232, RS-485 using ASCII or MODBUS

### ANALOGUE RETRANSMISSION

All displays are available with analogue retransmission 0~20mA or 4~20mA

### ENVIRONMENTAL OPERATING CONDITIONS

-10 ~ 45 °C / 14 ~ 113 °F

### CASE MATERIAL

- IP54 / NEMA 3, 13
- IP65 / NEMA 4

IP65 / NEMA 4

Stainless Steel for Food Processing and Salt