

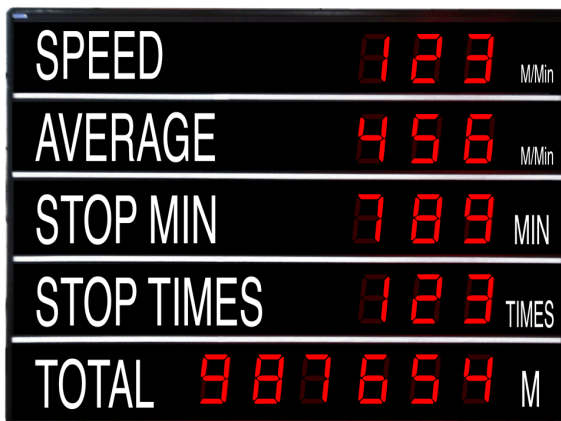
LARGE DIGITAL LED PRODUCTION DISPLAYS

MULTILINE & MULTI INPUTS

2 Lines minimum to as many lines as needed

Digits from 2 to 12 per line maximum

Digit Height from 2.3" to 16" and combinations of these



MANY DIFFERENT INPUTS CAN BE APPLIED

4~20mA, 0-10Vdc, PNP, NPN, 24V, RS-232, RS-485, MODBUS, ASCII, GPS, Timing, Temperature,

Count, Rate, Real Time etc.....

LARGE DIGITAL LED – PRODUCTION DISPLAYS

GENERAL OVERVIEW

Our range of Large Digit LED production Displays allow plant engineers to customise their display panels to provide instant **REAL TIME** information of the state of production in many ways and via many inputs

APPLICATIONS

Are numerous and entirely at the needs of the plant situation and what important information needs to be displayed.

INPUTS

A wide selection of INPUT signals can be applied to different lines from different sources.

- Current 0~20mA, 4~20mA
- Voltage 0~5Vdc, 0-10Vdc
- Count Contact, NPN, PNP, 24V PLC
- Timing HRS, MINS, SECS
- Real Time GPS 12 or 24 Hours Time Bases
- Temperature Thermocouple or PT100 / RTD
- Serial RS-232, 485, Modbus, ASCII

There are derivatives to each of the above, scale ranges, number of digits per line, digit heights, LED Colour etc.....

NUMBER OF LINES

The minimum number of Lines is TWO, but the maximum is not limited and depends on what information needs to be displayed, **WITHOUT CAUSING CONFUSION.**

LARGE LED DIGITS AVAILABLE AND VIEWING DISTANCE

The following LARGE DIGITS are available

NOTE :

All these LARGE LED DIGITS can be used on any line therefore creating a MIX and perhaps the larger digits representing more important information. The viewing distances are given below which should also be taken into account in selection –

- | | |
|-----------------|---|
| • 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 |

IP / NEMA CASE RATINGS

Most Production Displays are used for INDOOR applications but they can also be used OUTDOORS with the appropriate case protection.

- Indoor IP55 / NEMA 13
- Outdoor IP65 / NEMA 4 (4X)

INPUT POWER OPTIONS

- 95~265Vac
- 24Vdc
- 12Vdc

ALARM OUTPUTS

Each line can have ALARM outputs which can be individually configured for their TRIP POINTS.

- HI ALARM
- LO ALARM
- HI / LO ALARM
- ONE OUTPUT
- TWO OUTPUTS

MOUNTING

ALL LARGE DIGIT PRODUCTION DISPLAYS ARE WALL MOUNTING OR SUSPENSION MOUNTING

WALL MOUNT

This method of mounting is with 4 corner brackets welded onto the case or screwed on (depending on weight) and then fixed to a Wall.

All signal connections are made to Terminal Blocks mounted on the case, usually in the side and adjacent to the line they refer to.

Power connection is usually fitted the bottom of the case via a Gland Nut.



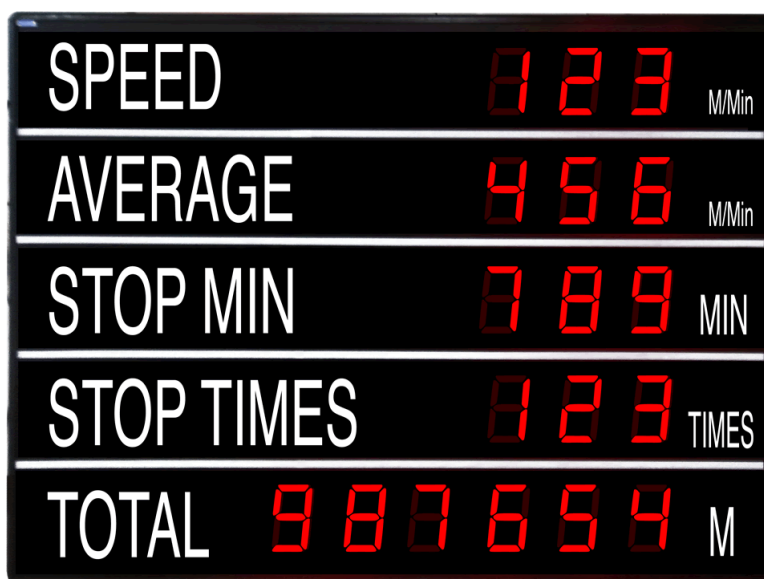
Wall Mounting Large Digit LED Display Example - With WALL BRACKETS

SUSPENSION MOUNT

This method is used for displays that need to be seen across a production area and are often DOUBLE SIDED.

The DOUBLE SIDE layout does not have to repeat the information on both sides and one side can have a different set of information to the other.

The suspension displays are usually HUNG from the Gantry (or similar) via CHAINS (or similar) with EYE BOLTS mounted on the top of the case



Suspension Mounting Double Sided - Large Digit LED Display with Eye Bolts for Chains or Rods

LARGE DIGIT LED PRODUCTION DISPLAYS – CONTROL OPTIONS

Most Multiline Production Displays because of their complexity are controlled by PC or Central Computer systems.

However less complex displays can be controlled by Remote Boxes or IR Remote programmer.

These devices can be given ID ADDRESS Codes for each line, so changing of parameters in one line, will not interfere with adjacent lines.

Typical examples of Remotes are shown below, but they can be configured to your specific applications and are often simpler and more accessible than Central Control Systems.

The Remotes can also be designed to ‘ TALK ‘ to the Central Control System to make changes to the various inputs on the display



LARGE DIGIT LED PRODUCTION DISPLAYS – GENERAL SPECIFICATION

Digit Heights 2.3" ~ 16"

Number of Digits 2 ~ 12

Display Type 7 Segment LED

Display Colours **RED** or **GREEN**

Mounting Wall or Suspension

Case Protection IP55 / NEMA 13 or IP65 / NEMA 4 (4X)

Installation Indoor or Outdoor

Alarm Outputs 3A SPCO Single or Dual, HI, LO or HI/LO

Power Inputs 95~265Vac, 24Vdc, 12Vdc

Weight Depends on number of lines, number of digits, digit heights and Indoor or Outdoor case

Power Consumption Depends on number of lines, number of digits, digit heights and Indoor or Outdoor case

Operating Environment -10~45°C / 14~113°F

Case Material Extruded Aluminium, Pressed Steel

Inputs Current, Voltage, Count, Time, Temperature, Serial

Control Options External Computer interface via RS-232, RS-485, Modbus, Ethernet, IR Remote or Plug-in Control Boxes