

LARGE DIGITAL COMMERCIAL TEMPERATURE DISPLAYS

Our Larger Digital LED Commercial Displays are ideal for the Food industry, Chillers, Freezers as well as Office and work area room Temperature comfort. These have their own in-built NTC sensor on a standard lead length of 5 mtrs which we can extend at time of order, with a maximum length of 50 mtrs. Scale ranges are limited to Low Temperature applications.



INPUTS

- Thermocouple Input types J, K, R, S, T
- PT100/RTD Inputs 2 or 3 wire
- NTC sensor input

TEMPERATURE RANGES

-50.0 ~ 19.9 °C / -58 ~ 212 °F

DIGIT HEIGHTS

2", 2.3", 4", 6", 8", 10", 12", 14", 18"

THE COMMERCIAL RANGE

These have their own in-built NTC sensor on a standard lead length of 5 mtrs which we can extend at time of order, with a maximum length of 50 mtrs. **Scale ranges are limited to Low Temperature applications.**

LARGE DIGITAL TEMPERATURE DISPLAYS – COMMERCIAL RANGE

INDOOR or OUTDOOR USE

This series of LARGE DIGITAL TEMPERATURE DISPLAYS, have an aesthetic Polycarbonate dark grey Case for all models from 2" to 8", **with a low 45mm profile**, making them 'stand out' from the utilitarian appearance of industrial displays, they are designed for Flush Wall Mounting only, while the larger 12" and 16" are made of Galvanised Steel with a 15° tilt facility.

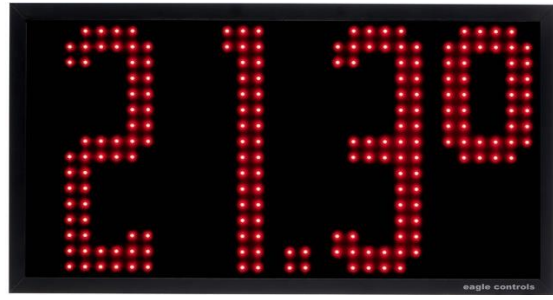
All the Commercial range of Digital Temperature Displays use NTC microchip encapsulated sensors, IP67 rated, suitable for all weather conditions and submersible with a standard lead length of 5 mtrs, to sense AIR or WATER Temperature, across the ranges -50 to 99.9 °C / -58 to 212 °F which is selectable with an IR Remote (supplied).

All the displays are weather proof IP66 / NEMA 4X rated and are suitable Indoor or Outdoor use.

The Commercial range of Digital Temperature Displays has the following options and mounting methods to choose from

1. **Digit Heights 2", 4", 6", 8", 12", 16"**
2. **Single Sided**
3. **Double Sided**
4. **Wall Mounting (standard)**
5. **Suspension Mounting from chains (popular for Double Sided)**





LARGE DIGIT LED DISPLAYS – TEMPERATURE RANGES AND VIEWING DISTANCES

The displays are designed for LOW TEMPERATURE applications and benefit from being user programmable via their IR REMOTE for the following scale ranges:

- -50 to 99.9 °C
- -58 to 212 °F

A built-in NTC temperature sensor is supplied at a length of 5 mtrs (6.5ft), but in chargeable lengths of 10 mtrs, this can be extended to 50 mtrs. **NOTE**
– **additional 10 mtr lengths are charged for.**

They can sense and display AIR Temperature or WATER Temperature to an accuracy of .5% between -10 to 85°C / 14 to 185°F and 1% outside these ranges.

VIEWING DISTANCES

The Commercial range is available in 6 different LED digits sizes, all with their own maximum viewing distances, which means the furthest position away from the viewer that they can be read **CLEARLY**.

2"	(50mm)	12 mtrs / 39 ft
4"	(100mm)	35 mtrs / 115 ft
6"	(150mm)	55 mtrs / 180 ft
8"	(200mm)	75 mtrs / 245 ft
12"	(300mm)	115 mtrs / 375 ft
16"	(400mm)	150 mtrs / 490 ft

(These figures are approximate and should not be relied on as actual, they are for guidance only on which digit height the user should consider when choosing the size of display for the application.)

APPLICATIONS FOR COMMERCIAL TEMPERATURE DISPLAYS

Air Conditioning, Swimming Pools, Sports Halls, Gyms, Refrigeration, Cold Stores, Outdoor Air Temperature..... there are many low Temperature applications these displays can be used for.

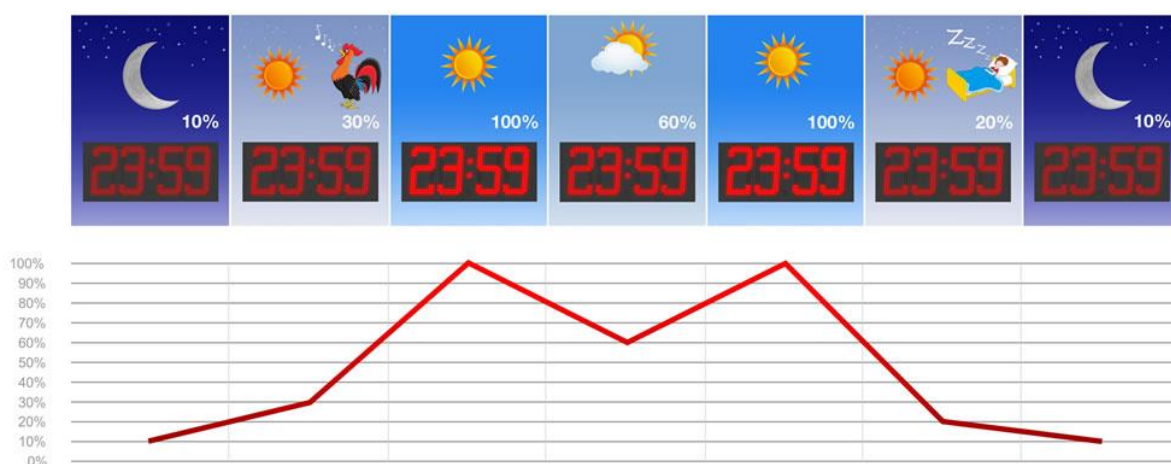
INDOOR OR OUTDOOR – IP66/NEMA 4 X

All these displays may be used for Indoor or Outdoor applications, they are all IP66 / NEMA 4 X rated and can withstand temperatures as low as -35 to 60 °C / -31 to 140 °F, **but as an added precaution we recommend they are put into outer enclosures in such sustained cold conditions.**

AUTOMATIC DISPLAY BRIGHTNESS

A standard feature on the Commercial LED Temperature Displays is the automatic sensor for changing the brightness of the LEDs to suit different ambient light conditions.

Also there is the option to override the auto-sensor and set the brightness level manually, with 10 different levels of brightness to chose from. DIM to HIGH brightness. **If this manual mode is chosen the selected brightness level is fixed and will not compensate for ambient light change.**



LED COLOURS FOR COMMERCIAL TEMPERATURE DISPLAYS

All the displays are available in the following colours.

RED	Standard
AMBER	Option
BLUE	Option + price adder
GREEN	Option + price adder
YELLOW	Option



RED



AMBER



BLUE



GREEN



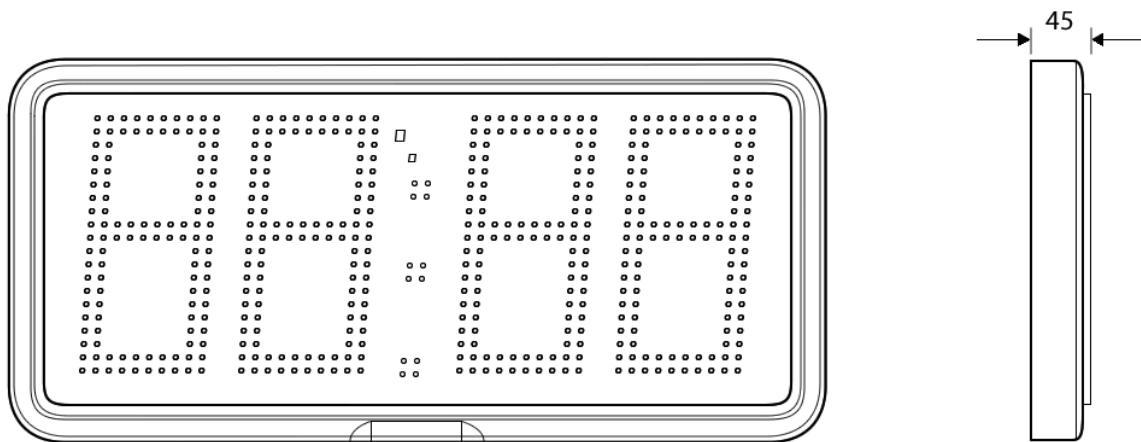
YELLOW

POWER INPUT OPTIONS

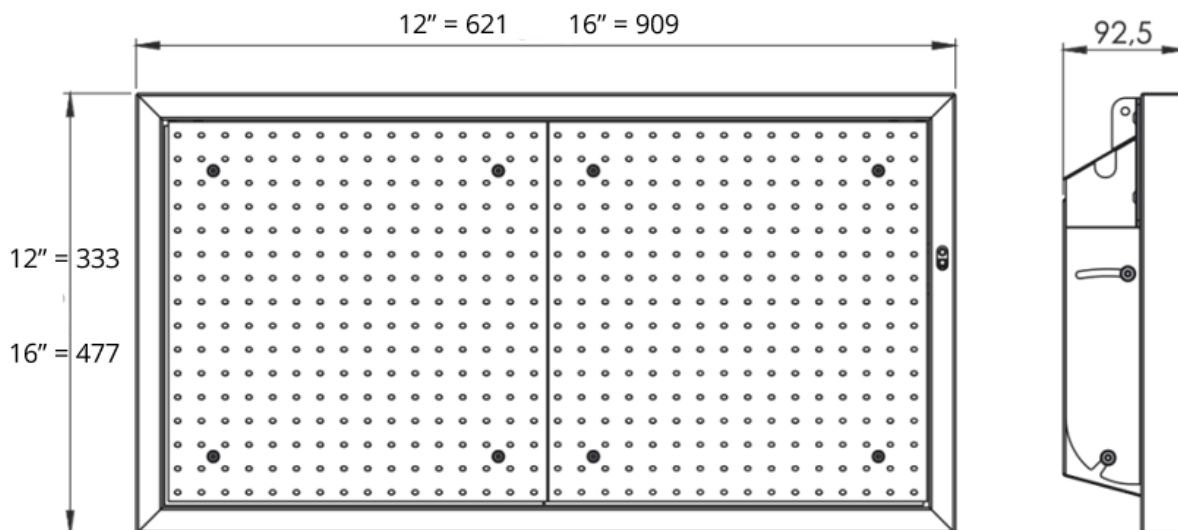
95~265Vac	Standard
24Vdc	Option + price adder (not available for 12" or 16" models)

LED COLOURS FOR COMMERCIAL TEMPERATURE DISPLAYS

The normal method for mounting these Temperature Displays is **FLUSH to a WALL or PANEL**



Models 2", 4", 6", 8"



Models 12" and 16"



TEMPERATURE SENSORS

We offer a wide range of Temperature Sensors for the INDUSTRIAL RANGE of Large Digital Temperature Displays.

The most popular Thermocouples are Types ' J ' or ' K '. We can make these to order.

Likewise we can offer PT100's / RTD's 2 or 3 wire.

PLEASE CONSULT OUR SALES OFFICE FOR ASSISTANCE

HERE IS OUR FULL RANGE OF LARGE DIGITAL LED DISPLAYS

A to D (Analogue to Digital) Displays

Our LED Digital A to D Displays accept all standard industrial input signals Voltage and Current and all are scalable.

These LED displays will display any engineering units with decimal point position programmable.

Clock and Temperature Displays

Our LED Digital Clocks set a new industry standard. Time bases Hours : Minutes : Seconds or Hours : Minutes.

The Clocks also allow the display of Date / Year and Temperature alternating.

Counters and Rate Displays

Our LED Digital Counters will accept standard input signals, contact closure, 24Vdc, NPN, PNP, Quadrature.

UP or DOWN, BATCH or TOTALISING count, single line or multiline.

Timers and Totalisers

All Timers have a Time base in Hours, Minutes, Seconds and combinations. Long Range Timers with Years, Weeks and Days are also available.

Typical functions are UP or DOWN timing, Totalising or Batch timing, TAKT timing, Repeat Cycle, One-Shot output.

Industrial Temperature Displays

These displays accept Industry Standard Thermocouple Inputs and 2/3 wire PT100/RTD sensors. With a wide range of Temperature scale ranges in °C or °F.

Commercial Temperature Displays

Ideal for the Food industry, Chillers, Freezers as well as Office and work area room Temperature comfort. In-built NTC sensor. Scale ranges are limited to Low Temperature applications.

Temperature and Humidity Displays

These Large Digital LED Displays combine Temperature and Humidity on two separate displays in a single case with an integral 4~20mA dual input sensor or a dual 0-10Vdc input signal.

Cold Store Temperature Displays

These Large Digital LED Cold Store Temperature Displays have been specifically designed for the Refrigeration market. Suitable for Walk in Refrigerators, Freezers, Cold Stores, Cold Rooms, Chillers and Cold Cabinets.