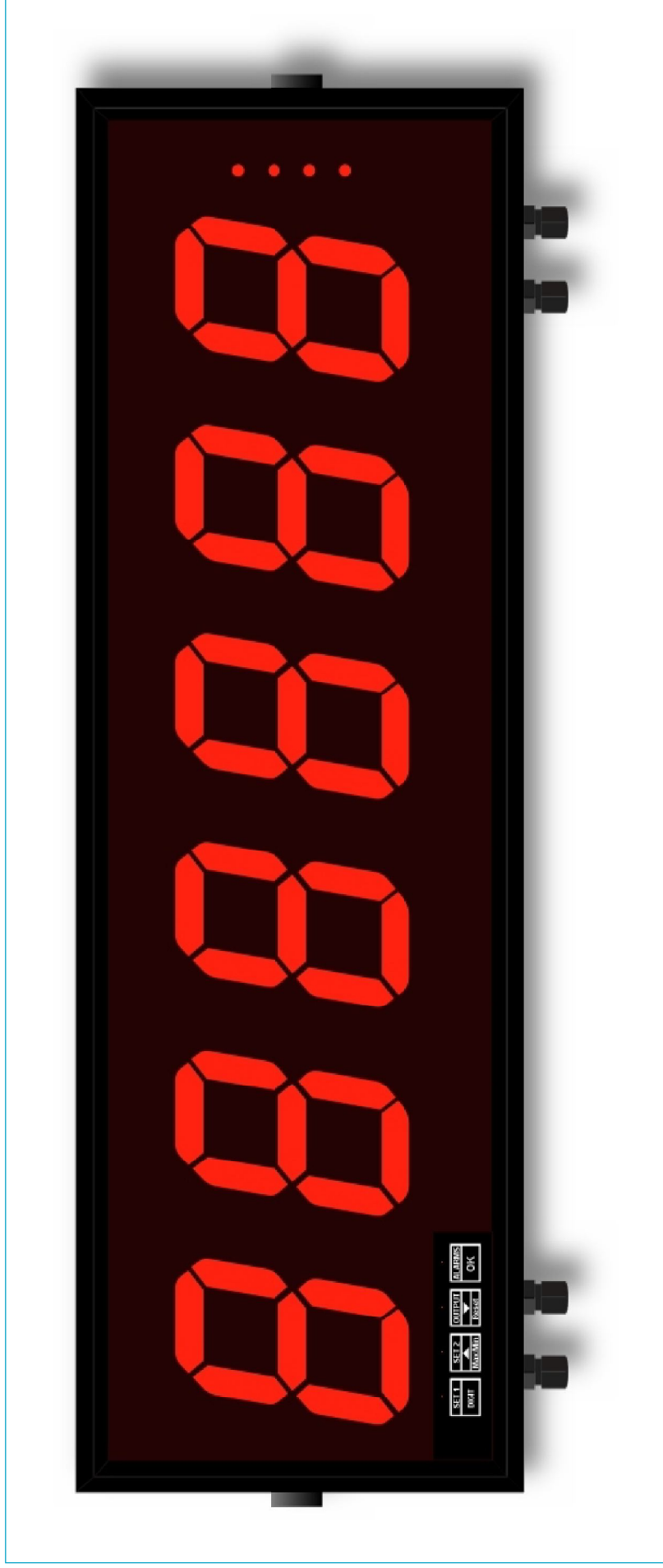


The Fusion Series of Large displays

13



Display functions

- Total
- Rate / Speed
- Target (ideal for production lines)
- Frequency
- Weight
- Temperature
- Humidity
- Real Time
- Elapsed Time
- Power, RPM, Torque
- Pressure
- ... any combination of the above

The Fusion series has these benefits...

- Easy to use, no-menu programming
- Smart styling, slim, easy to install
- Competitively priced
- Remote setting from ground level
- Modular options to suit your exact needs
- Displays can be built to custom formats
- Indoor and outdoor models
- Fast, free technical support
- Long warranty, extendable free of charge
- Can be built with AlphaNumeric displays
- Wide range of mounting and gland positions

Input signals for the Fusion

- 4-20mA, 0-10V, 1-5V etc
- Loadcells
- PNP, NPN, Namur, Contact closure, etc
- Serial Data RS232, 485, 422 etc.
- Temperature sensors
- Humidity sensors
- Profibus DP
- Logic Reset, Tare, Peak/Valley etc.

Sealing Standards

- IP65 for bottom glands, IP54 for top

What size digits are available?

- 57 mm for up to 25 metres viewing
- 102mm for up to 50 metres viewing
- 150mm for up to 75 metres viewing
- 200mm for up to 100 metres viewing
- 300mm for up to 140 metres viewing
- 400mm for up to 200 metres viewing

Which output options are possible?

- 2 or 4 alarm SPST relays, 2x SPDT
- 4-20mA, 0-10V or -10 to +10V analog
- RS232, RS485, Ethernet data output

Fusion display formats, colours and sizes

8.8.8.8.8.8

Model numbers:-
 Fusion-C Counter/Rate
 Fusion-L Weight/load
 Fusion-P 4-20mA/0-10V
 Fusion-S Serial data

Applications:-
 Production totals, targets
 Vehicle Weight, tank volume,
 Silo contents, reservoir
 capacity, kWh energy pro-
 duced or consumed

88:88:88

Model numbers:-
 Fusion-H Clock / Timer
 Fusion-S Serial data

Applications:-
 Factory time displays, public
 area clocks, down-counters,
 elapsed timers, time until event
 displays

8.8.8.8.

Model numbers:-
 Fusion-C Counter/Rate
 Fusion-L Weight/Load
 Fusion-P 4-20mA/0-10V
 Fusion-S Serial data
 Fusion-T Temperature

Applications:-
 Temperature, humidity, weight,
 load, RPM, rate

88:88

Model numbers:-
 Fusion-H Clock
 Fusion-S Serial data
 Fusion TT Time/Temp

Applications:-
 Production line timing, factory
 clock synchronising with
 masters and slaves, Time
 until maintenance displays,
 time and temperature.

Digit colour options

Choose colours to match corporate image, to differentiate groups of displays or to suit the ambient lighting conditions.

We offer indoor and outdoor brightness versions.



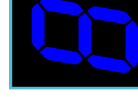
Red: Traditional, and the most popular colour. The lowest cost colour option, thanks to the high quantity of red displays we make. Ideal for outdoor mounting



Green: Preferred by those who consider red is an alarm colour. Best suited to indoor use, as green is less 'punchy' in direct sunlight.



Yellow: Ideal for outdoor and roadside applications. Good brightness and contrast. A neutral colour just as clear as red.



Blue: Fashionable and 'cool' to the eye. Adds a distinctive and sharp appearance to the display.

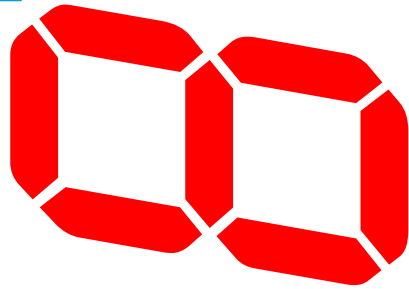


White: Entirely neutral, neither warning red or AOK green, or cool blue. Modern, with a retro feel, as the earliest displays used white bulbs.

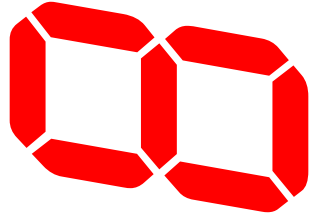
Digit sizes available as standard (shown much smaller than real size, to fit on page)

A 'Rule of Thumb' about digit height and viewing distance:- For every 10 metres of viewing distance, you need digits 1" high (The typical width of a thumb). so, if you will be up to 65 metres away, you will need digits at least 7 inches high - round up to the nearest inch.

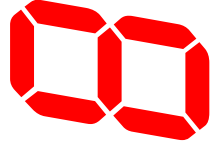
400 mm
16"



300 mm
12"



200 mm
8"



150 mm
6"



102 mm
4"



57 mm
2.25"



Create your ideal Intuitive or Fusion display with these building blocks ...

Input Signal Conditioner boards ...
Choose one.

- Loadcell board
- Process board
- Pulse input board
- Temp. board
- AC input board
- Serial input board

4 or 6 wire loadcells
10V 120mA excitation.
Millivolt version for DC Current shunts

4-20ma, 0-10v, 0-5V, etc.
24V 60mA excitation.

4 channels NPN, PNP, contact closure, etc.
24V 60mA excitation.

Type J, K, T, R, S, B thermocouples
3 or 4 wire PT100 RTDs.

AC Voltage AC Current

RS232 or RS485 Serial Input boards

Real time clock option
Precision date and time module for clock format displays or if you need date and time stamps in your data output.

Signal conditioner goes here

Main processor board AC or DC power

3x Contact closure logic inputs, for use as tare, hold, peak, reset, page address etc.

Choose output options, if needed ...

Analogue Output board, if needed
Choose one, or none.

- 4-20mA, 0-10V
- 10 to +10V

Data output board, if needed
Choose one, or none.

- RS232
- RS485
- Ethernet

Analogue O/P is not available if Ethernet option is fitted

Output option main board with 0, 2 or 4 alarms

- Mechanical or solid state relay
- Mechanical or solid state relay
- Mechanical or solid state relay
- Mechanical or solid state relay

Analogue O/P board goes here

Data O/P board goes here

Choose a display format...

4 digit numeric **8.8.8.8**

6 digit numeric **8.8.8.8.8.8**

4 digit clock **88:88**

6 digit clock **88:88:88**

Choose a digit size...
From 1/8 DIN panel meter format ...

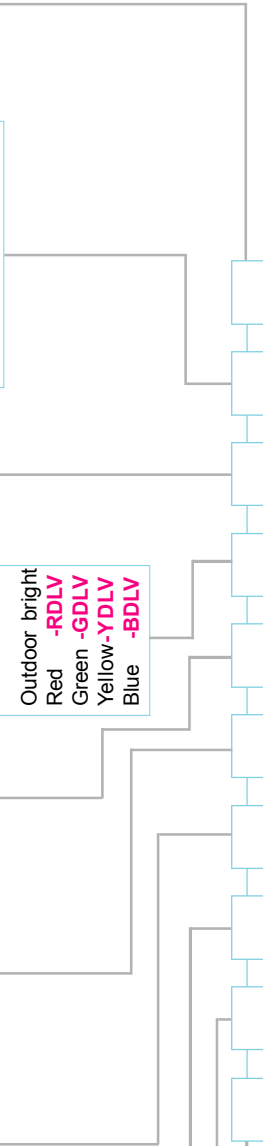
- 14mm
- 20mm
- 57mm
- 102mm
- 150mm
- 200mm
- 300mm
- 400mm

Digit-height choices

...to displays visible up to 200m away

Ordering Guide. Create a full part number like this:-

Display Height	Digits and format	Function type	Analogue Output	Alarm Output	Serial Data Output	Colour & brightness	Supply Voltage	Mounting & Gland position & Sealing	Special Requirements
2"	4 digits numeric -F2	Counter -C	No output -0	No alarms -0	No data -0	Normal Inside	95-265VAC -AC	Panel, IP65 front -1	None -0
4"	4 digits clock -F4	Clock/Timer -H	4-20mA -ANI	2 alarms -AL2	RS232 -232	Red -R	11-30VDC -DC	Wall, bottom, IP65 -2	RealTime Clock -RTC
6"	6 digits numeric -F6	Loadcell -L	0-10V -ANV	4 alarms -AL4	RS485 -485	Green -G		Suspension, top, IP65 -3	8 memories -MEM
8"	6 digits clock -F8	Process -P	+/-10V -ANB	2xSPCO -SPCO		Yellow -Y		Wall, top, IP54 -4	3 wire pot input -POT
12"	8 digits numeric -F12	RS232 slave -S2		2xSolid State -DSS		Blue -B		Suspension, top, IP54 -5	100 updates/sec -100X
16"	8 digits numeric -F16	RS485 slave -S4				White -W		Suspension, rear, IP54 -6	



Example part number = **Fusion2-6N-P-ANI-AL2-0-R-AC-2-0**

An automated version of this page, which calculates pricing and includes new models, is available at http://www.london-electronics.com/pl_fusion.htm

Dimensions

	Fusion 2	Fusion 4	Fusion 6	Fusion 8	Fusion 12	Fusion 16
4 digit	279.5(N)/291(C)w x 154.5h	434(N)/453(C)w x 195.5h	580w x 246.0h	750w x 290.0h	1050w x 408h	1368w x 515h
6 digit	376(N)/400(C)w x 154.5h	616(N)/653(C)w x 195.5h	820w x 246.0h	1072w x 290.0h	1540w x 408h	2020w x 515h
8 digit	504w x 154.5h	824w x 195.5h	1060w x 246.0h	1395w x 290.0h	2022w x 408h	2672w x 515h

