

# The Fusion Series of Large displays



## 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



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(INTERCONTINENTAL SERVICES INC)

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# Fusion display formats, colours and sizes

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## 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

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## 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

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## 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.



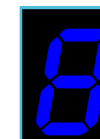
**Red:** Traditional, and the most  
popular colour. The lowest cost  
colour option, thanks to the high  
quantity of red displays we  
make. Ideal for outdoor mounting



**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.



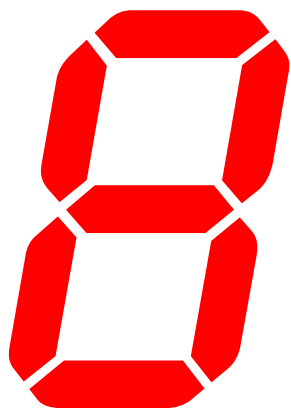
**Blue:** Fashionable and 'cool' to  
the eye. Adds a distinctive and  
sharp appearance to the  
display.



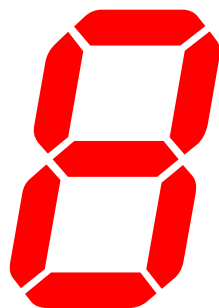
**White:** Entirely neutral, neither  
warning red or AOK green, or  
cool blue. Modern, with a retro  
feel, as the earliest displays  
used white bulbs.

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

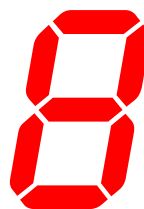
400 mm  
16"



300 mm  
12"



200 mm  
8"



150 mm  
6"



102 mm  
4"



57mm  
2.25"



**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.

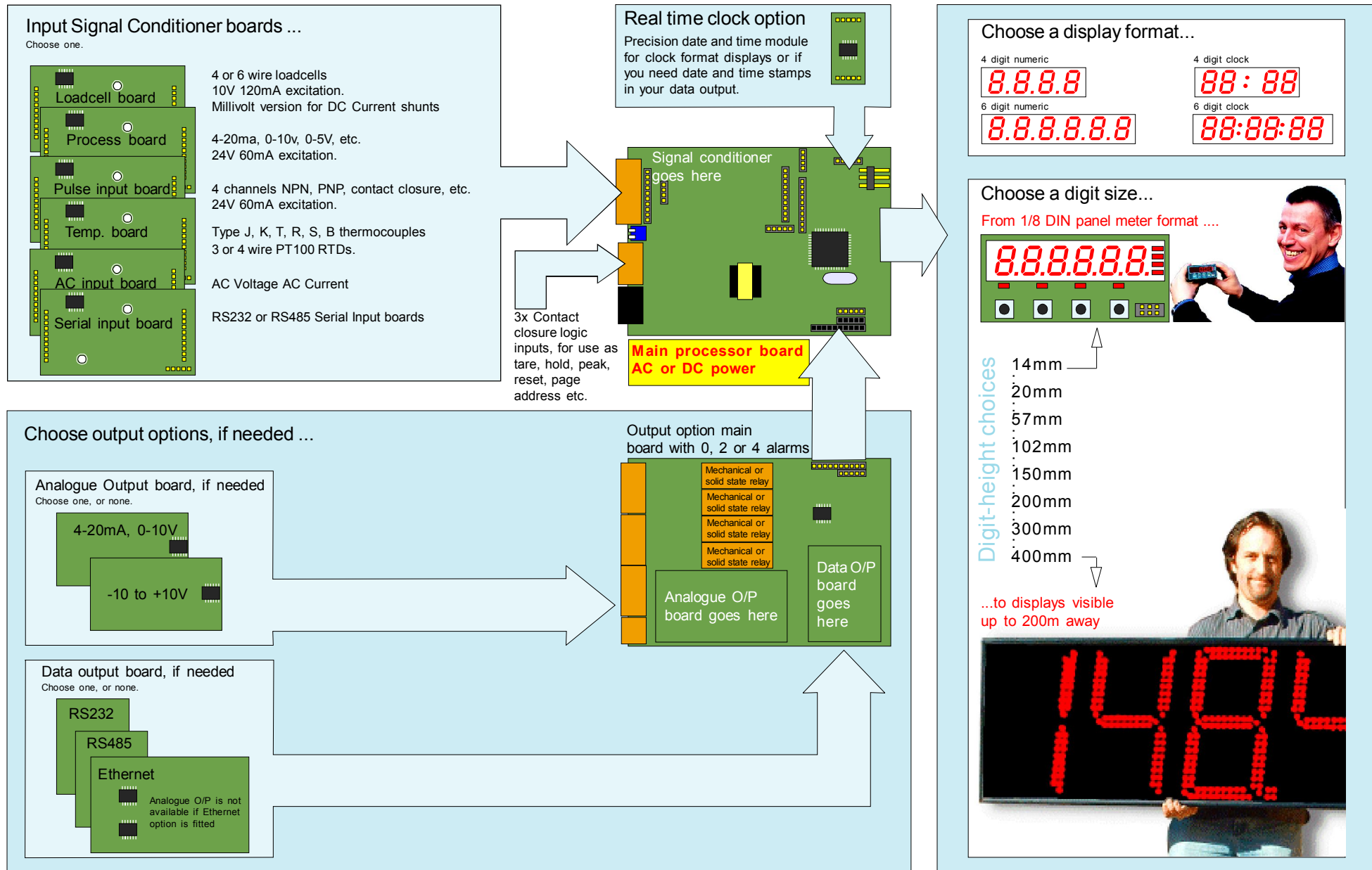


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# Create your ideal Intuitive or Fusion display with these building blocks ...



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

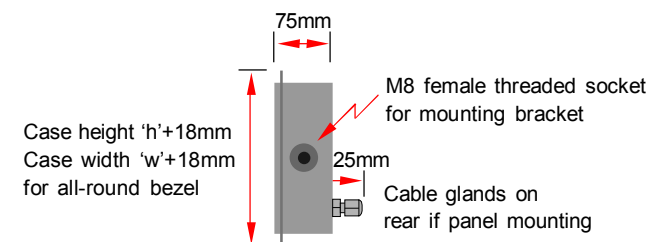
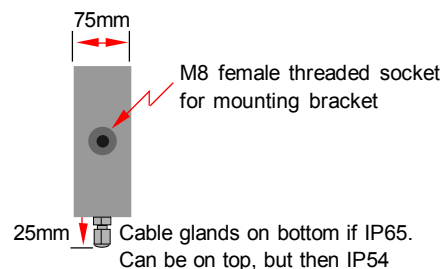
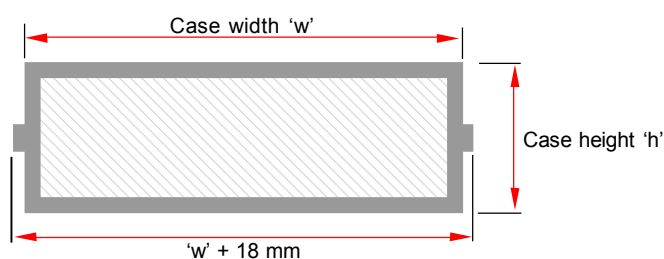
Display Height	Digits and format	Function type	Analogue Output	Alarm Output	Serial Data Output	Colour & brightness	Supply Voltage	Mounting & Gland position & Sealing	Special Requirements
2" 57mm digits <b>-F2</b>	4 digits numeric <b>-4N</b>	Counter <b>-C</b>	No output <b>-0</b>	No alarms <b>-0</b>	No data <b>-0</b>	Normal Inside	95-265VAC <b>-AC</b>	Panel, IP65 front <b>-1</b>	None <b>-0</b>
4" 102mm digits <b>-F4</b>	4 digits clock <b>-4C</b>	Clock/Timer <b>-H</b>	4-20mA <b>-ANI</b>	2 alarms <b>-AL2</b>	RS232 <b>-232</b>	Red <b>-R</b>	11-30VDC <b>-DC</b>	Wall, bottom, IP65 <b>-2</b>	RealTime Clock <b>-RTC</b>
6" 150mm digits <b>-F6</b>	6 digits numeric <b>-6N</b>	Loadcell <b>-L</b>	0-10V <b>-ANV</b>	4 alarms <b>-AL4</b>	RS485 <b>-485</b>	Green <b>-G</b>		Suspension, top, IP65 <b>-3</b>	8 memories <b>-MEM</b>
8" 200mm digits <b>-F8</b>	6 digits clock <b>-6C</b>	Process <b>-P</b>	+/-10V <b>-ANB</b>	2xSPCO <b>-SPCO</b>		Yellow <b>-Y</b>		Wall, top, IP54 <b>-4</b>	3 wire pot input <b>-POT</b>
12" 300mm digits <b>-F12</b>	8 digits numeric <b>-8N</b>	RS232 slave <b>-S2</b>		2xSolid State <b>-DSS</b>		Blue <b>-B</b>		Suspension, top, IP54 <b>-5</b>	100 updates/sec <b>-100X</b>
16" 400mm digits <b>-F16</b>		RS485 slave <b>-S4</b>				White <b>-W</b>		Suspension, rear, IP54 <b>-6</b>	
		Temperature <b>-T</b>				Outdoor bright			
		Time +Temp. <b>-TT</b>				Red <b>-RDLV</b>			
		Time +RS485 <b>-TZ</b>				Green <b>-GDLV</b>			
		Millivolt <b>-M</b>				Yellow <b>-YDLV</b>			
						Blue <b>-BDLV</b>			

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](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



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