

# The Fusion Series of Large displays

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This is the 4 inch, 6 digit version (F4-6N) which is clearly legible up to 50m away. Many other sizes available.

**Custom code available for YOUR special application !**

## 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
- 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

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### Model numbers:-

Fusion-C	Counter/Rate
Fusion-H	Elapsed timer
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 produced 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-H	Elapsed timer
Fusion-L	Weight/Load
Fusion-P	4-20mA/0-10V
Fusion-S	Serial data
Fusion-T	Temperature

### Applications:-

Temperature, down-time,  
humidity, weight, load, RPM, rate,  
days since last accident  
displays.

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### 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.



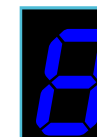
**Red:** Traditional, and the most  
popular colour. The lowest cost  
colour option, thanks to the high  
quantity of red displays we make.  
Ideal for outdoor mounting



**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.



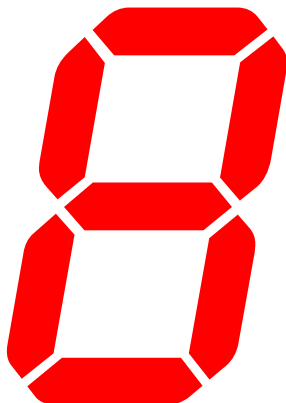
**Blue:** Fashionable and 'cool' to  
the eye. Adds a distinctive and  
sharp appearance to the display.



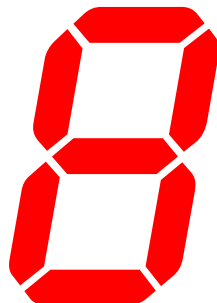
**White:** Entirely neutral, neither  
warning red or AOK green, or cool  
blue. Modern, with a retro feel, as  
the earliest displays used white  
bulbs.

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

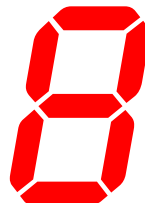
400 mm, 16"  
200m viewing



300 mm, 12"  
150m viewing



200 mm, 8"  
100m viewing"



150 mm  
6"  
75m viewing



102 mm  
4"  
50m viewing



57mm  
2.25"  
25m  
view



**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.

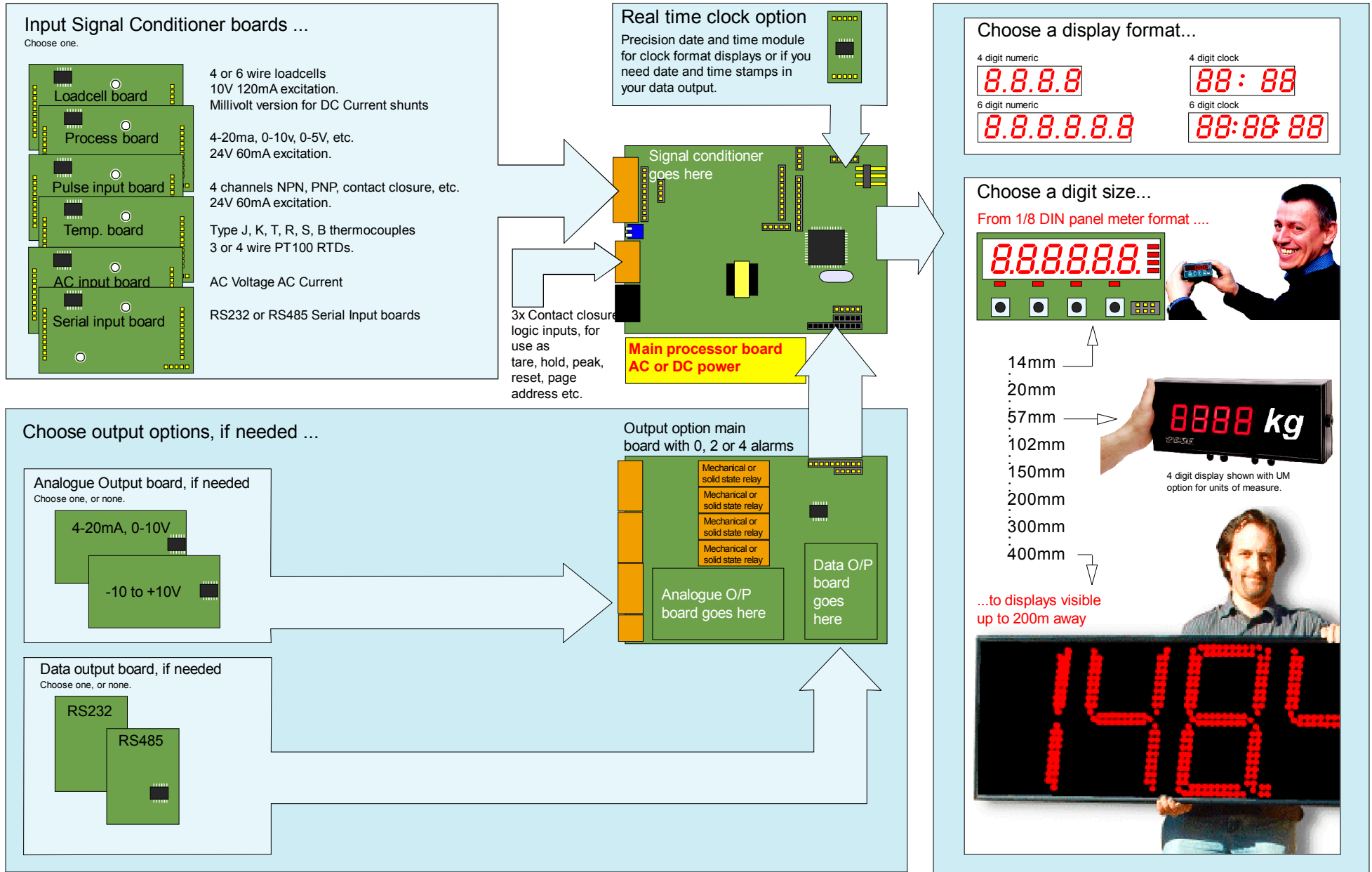




# Create your ideal Intuitive or Fusion display with these building block

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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>	Un-cased boards only <b>-0</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>	Panel, IP65 front <b>-1</b>	Units of measure <b>-UM</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>	48VAC <b>-48VAC</b>	Wall, bottom, IP65 <b>-2</b>	RealTime Clock <b>-H</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>		Suspension, top, IP65 <b>-3</b>	8 memories <b>-MEM</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>		Wall, top, IP54 <b>-4</b>	3 wire pot input <b>-POT</b>
16" 400mm digits <b>-F16</b>		RS485 slave <b>-S4</b>		4xSolid State <b>-QSS</b>		White <b>-W</b>		Suspension, top, IP54 <b>-5</b>	100 updates/sec <b>-100X</b>
		Temperature <b>-T</b>				Outdoor bright		Suspension, rear, IP54 <b>-6</b>	Remote prog. <b>-FUSRP</b>
		Time +Temp. <b>-TT</b>				Red <b>-RDLV</b>			Heater AC <b>-HTRAC</b>
		Time +RS485 <b>-TZ</b>				Green <b>-GDLV</b>			Heater 12VDC <b>-HTR12</b>
		Millivolt <b>-M</b>				Yellow <b>-YDLV</b>			Heater 24VDC <b>-HTR24</b>
						Blue <b>-BDLV</b>			

Example part number = **F2-6N-P-ANI-AL2-0-R-AC-2-0**

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Dimensions. Please note that adding the -UM option will increase the case width by 2 digits.

	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

