

The Fusion Series of Large displays

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ISO9001:2008



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.



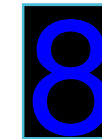
Red: Traditional, and the most
popular colour. The lowest cost
colour option, thanks to the high
quantity of red displays we make.
Ideal for outdoor mounting



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.



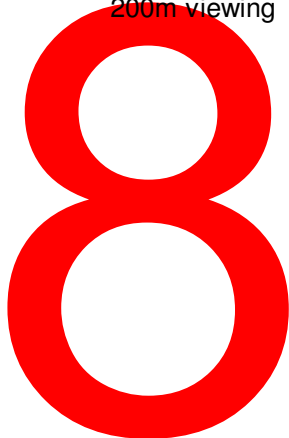
Blue: Fashionable and 'cool' to
the eye. Adds a distinctive and
sharp appearance to the display.



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

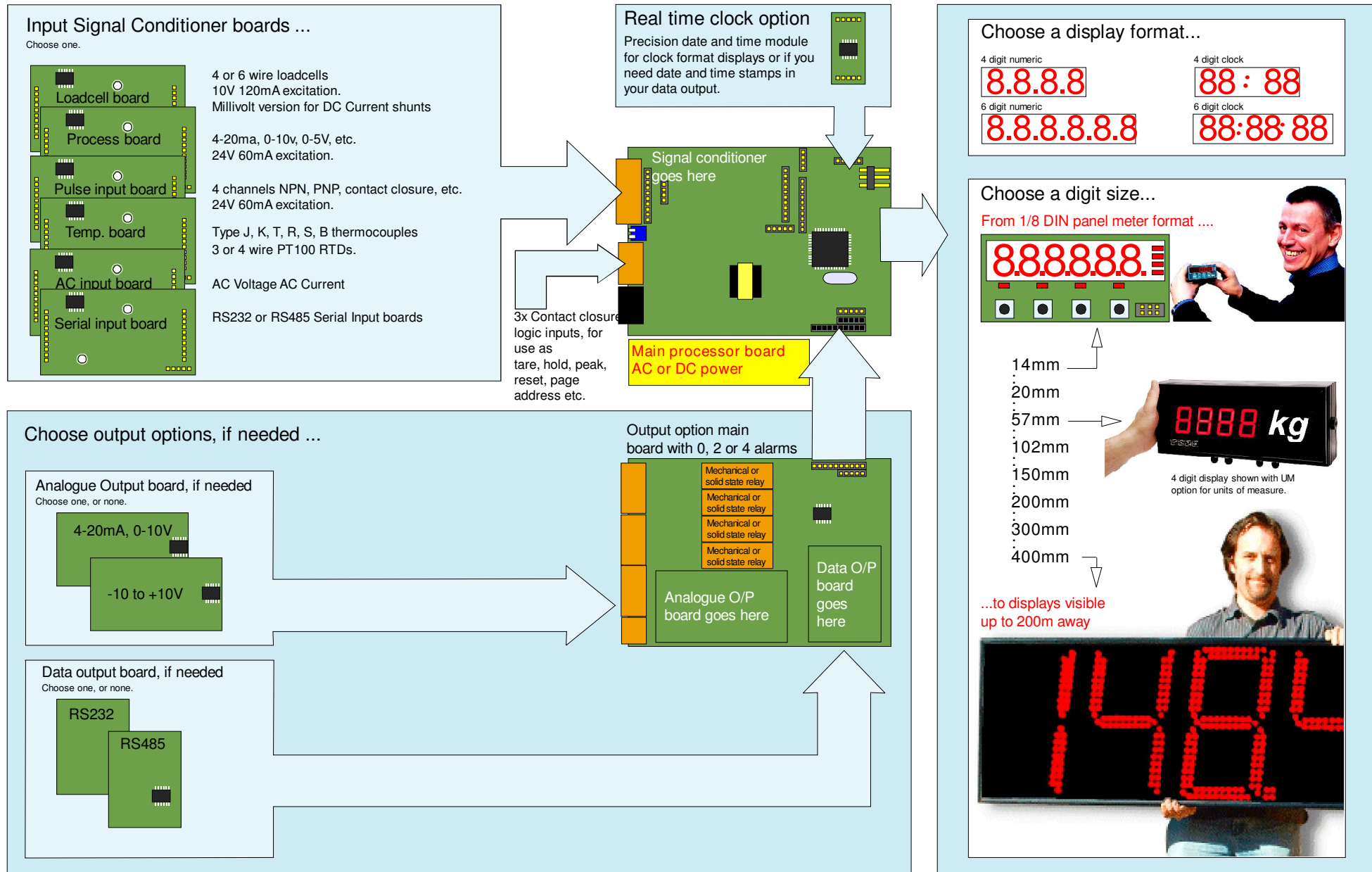


A 'Rule of Thumb' about digit height and viewing distance:- For every 10 metres of
viewing distance, you need digits 1" high (The typical width of a thumb). so, if you will be up
to 65 metres away, you will need digits at least 7 inches high - round up to the nearest inch.

Create your ideal Intuitive or Fusion display with these building 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 -F2	4 digits numeric -4N	Counter -C	No output -0	No alarms -0	No data -0	Normal Inside	95-265VAC-AC	Un-cased boards only -0	None -0
4" 102mm digits -F4	4 digits clock -4C	Clock/Timer -H	4-20mA -ANI	2 alarms -AL2	RS232 -232	Red -R	11-30VDC -DC	Panel, IP65 front -1	Units of measure -UM
6" 150mm digits -F6	6 digits numeric -6N	Loadcell -L	0-10V -ANV	4 alarms -AL4	RS485 -485	Green -G	48VAC -48VAC	Wall, bottom, IP65 -2	RealTime Clock -H
8" 200mm digits -F8	6 digits clock -6C	Process -P	+/-10V -ANB	2xSPCO -SPCO		Yellow -Y		Suspension, top, IP65 -3	8 memories -MEM
12" 300mm digits -F12	8 digits numeric -8N	RS232 slave -S2		2xSolid State -DSS		Blue -B		Wall, top, IP54 -4	3 wire pot input -POT
16" 400mm digits -F16		RS485 slave -S4		4xSolid State -QSS		White -W		Suspension, top, IP54 -5	100 updates/sec -100X
		Temperature -T				Outdoor bright		Suspension, rear, IP54 -6	Remote prog. -FUSRP
		Time +Temp. -TT				Red -RDLV			Heater AC -HTRAC
		Time +RS485 -TZ				Green -GDLV			Heater 12VDC -HTR12
		Millivolt -M				Yellow -YDLV			Heater 24VDC -HTR24
						Blue -BDLV			

Example part number = F2-6N-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.php

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

