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ISO9001:2008

The Fusion Series of Large displays

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

888888.

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

8.8.8.8.

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 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”
200m viewing

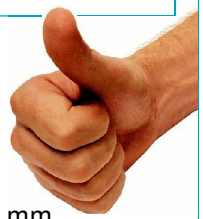
300 mm, 12”
150m viewing

200 mm, 8
100m viewing”

150 mm
6”
75m viewing

102 mm
4”
50m viewing

57mm
2.25”
25m
view



Digit colour options

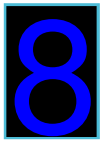
Choose colours to match corporate image, to differentiate groups of displays or to suit the ambient lighting conditions.

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.

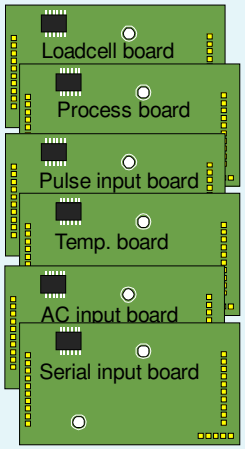
White: Entirely neutral, neither warning red or AOK green, or cool blue. Modern, with a retro feel, as the earliest displays used white bulbs.

UL ISO9001:2008

Create your ideal Intuitive or Fusion display with these building blocks

Input Signal Conditioner boards ...

Choose one.



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.

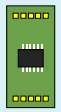
Type J, K, T, R, S, B thermocouples
3 or 4 wire PT100 RTDs.

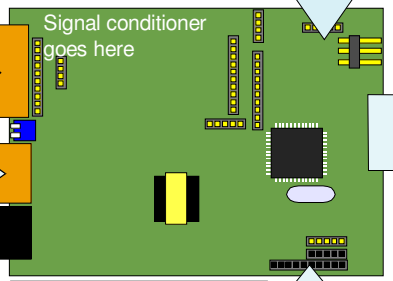
AC Voltage AC Current

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.



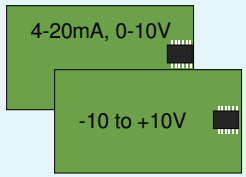


3x Contact closure logic inputs, for use as tare, hold, peak, reset, page address etc.

Choose output options, if needed ...

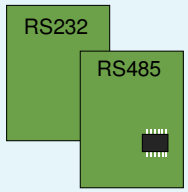
Analogue Output board, if needed

Choose one, or none.

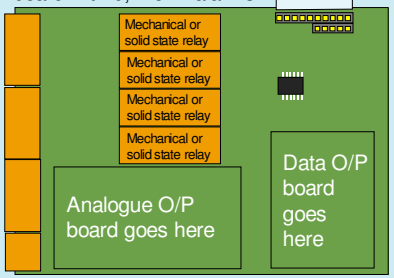


Data output board, if needed

Choose one, or none.

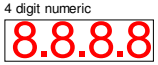


Output option main board with 0, 2 or 4 alarms

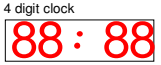


Choose a display format...

4 digit numeric

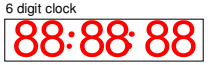


4 digit clock



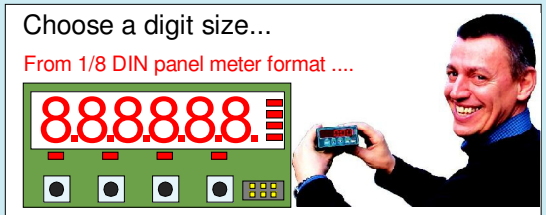
6 digit numeric

6 digit clock



Choose a digit size...

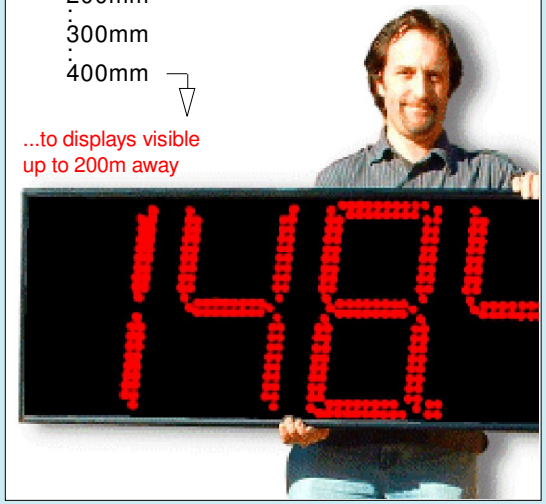
From 1/8 DIN panel meter format ....



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

4 digit display shown with UM option for units of measure.

...to displays visible up to 200m away



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

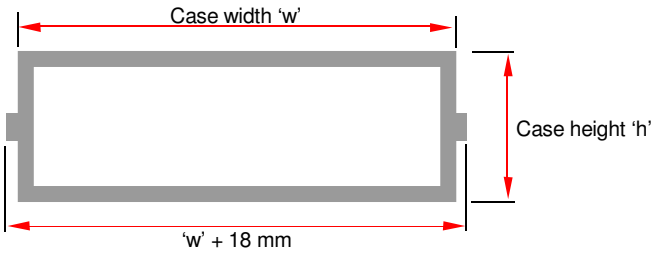
Display Height	Digits and format	Function type	Analogue Output	Alarm Output	Serial Data Output	Colour & brightness	Supply Voltage	Mounting & Gland position & Sealing	Special Requirements
2" 57mm digits -F2	4 digits numeric -4N	Counter -C	No output -0	No alarms -0	No data -0	Normal Inside	95-265VAC-AC	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						Suspension, rear,IP54 -6	Remote prog. -FUSRP
		Time +Temp. -TT				Outdoor bright			Heater AC -HTRAC
		Time +RS485 -TZ				Red -RDLV			Heater 12VDC -HTR12
		Millivolt -M				Green -GDLV			Heater 24VDC -HTR24
						Yellow-YDLV			
						Blue -BDLV			

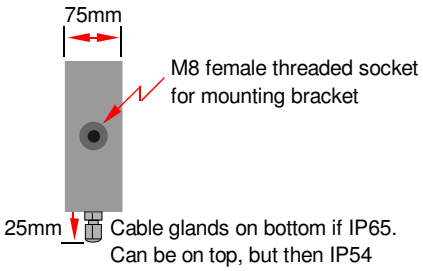
Example part number = F2-6N-P-ANI-AL2-0-R-AC-2-0

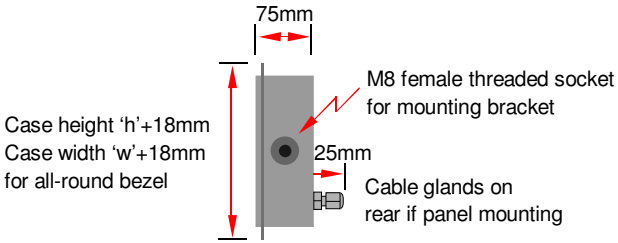
An automated version of this page, which calculates pricing and includes new models, is available at http://www.london-electronics.com/pl_fusion.php

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







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