



SS-FUSION-L

Load Cell Input Large Digit Display



KEY FEATURES

- 4 or 6 digits
- 5 digit colours available
- IP66 sealed
- 316L stainless-steel enclosure
- Indoor or outdoor brightness
- 4 or 6 wire load cell input
- Powers up to 4 x 350Ω load cells
- 10V @ 120mA excitation voltage (5V optional)
- Viewing distances up to 110m
- AC or DC powered
- Wall or suspension mounting
- Alarm, analogue and data output options

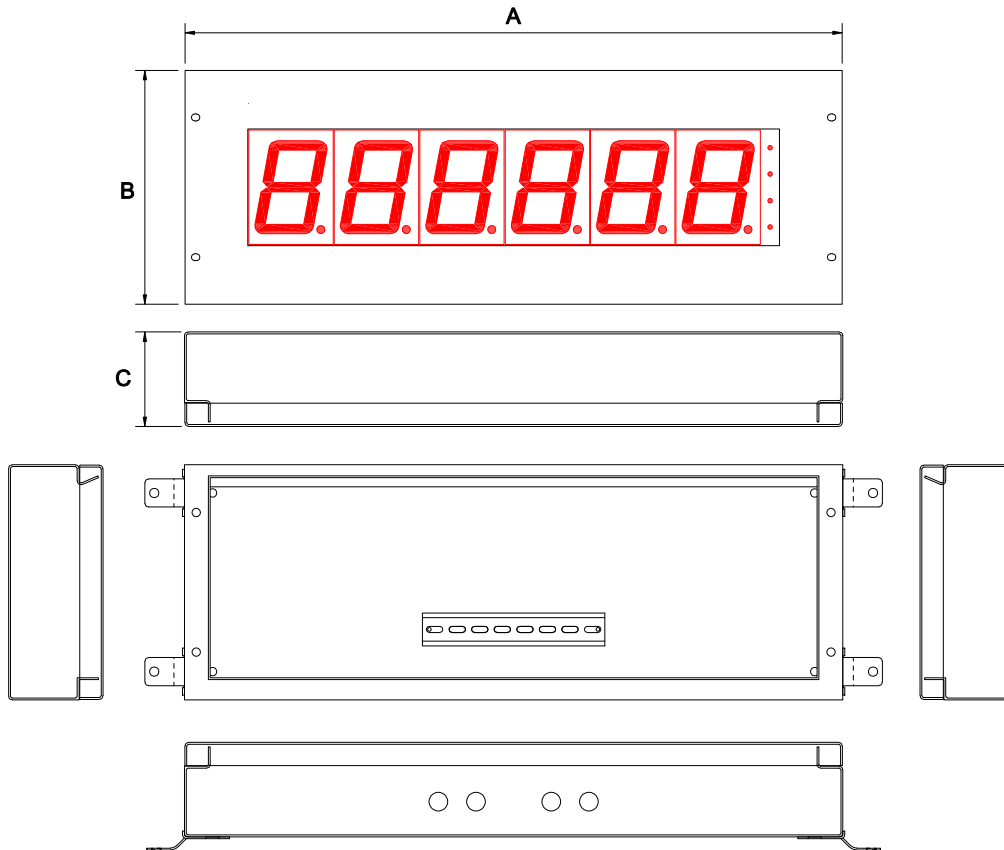
DESCRIPTION

SS-FUSION large digit displays are primarily used for displaying numerical information which is visible from a distance. In addition, the displays have several analogue, alarm and data output options which can work with systems already in situ to control processes within the system.

The SS-FUSION-L is available as 4 or 6 digits and can accept a 4 or 6 wire load cell input. The displays are easily scalable and are a versatile addition to your process. They can accept most common weight, torque, force and strain signals.

DIMENSIONAL DRAWINGS

Wall or Suspension Mounting



DIMENSIONS (mm)

Model	Digit Format	Width (A)	Height (B)	Depth (C)
SS-F2-4N	2" 4 digit	350	225	100
SS-F2-6N	2" 6 digit	450	225	100
SS-F4-4N	4" 4 digit	525	250	100
SS-F4-6N	4" 6 digit	700	250	100
SS-F6-4N	6" 4 digit	625	350	100
SS-F6-6N	6" 6 digit	850	350	100
SS-F8-4N	8" 4 digit	800	400	100
SS-F8-6N	8" 6 digit	1125	400	100

Notes:

- i. E & OE

TECHNICAL DATA

Digit Height (inches)	2.2 (SS-F2)	4.0 (SS-F4)	5.9 (SS-F6)	7.9 (SS-F8)
Digit Height (millimeters)	57	102	150	200
Viewing Distance (feet)	82	180	262	360
Viewing Distance (metres)	25	55	80	110
Number of Digits	4 or 6			
Digit Format	8.8.8.8. or 8.8.8.8.8.8.			
Input Signal	4 or 6 wire load cell			
Accuracy	+/- 0.05% of range			
Digit Colour	Green, red and yellow. Blue and white available for 6" and 8"			
Brightness	Indoor or outdoor with 7 levels of adjustment			
Power Supply	95-265V AC (standard), 11-30V DC (optional), 48V AC (optional)			
Power Burden	40VA maximum			
Mounting	Brackets supplied for wall or suspension mounting			
Logic Inputs	3 x NPN or contact closure for tare, peak/valley, reset			
Environmental				
Enclosure Material	316L stainless-steel			
Lens Material	Ploycarbonate, 6mm thick			
Sealing	IP66			
Storage Temperature	-20°C to +70°C, non-condensing			
Operating Temperature	0°C to +50°C, non-condensing			
Connectors	Internal detachable screw terminal connectors accessed via compression glands			
Analogue Output (optional)				
ANB Option	-10 to +10V into loads >1k Ohms, resolution 0.4mV			
ANI Option	0-20mA or 4-20mA into loads <500 Ohms, resolution 0.4uA			
ANV Option	0-10V into loads >1k Ohms, resolution 0.2mV			
Scaling	Fully adjustable, direct or inverse. Can be derived from GROSS or NETT value			
Response Speed	Derived from displayed value, updated x10 per second, display filtering applies to analogue output			
Linearisation	Derived from displayed value			
Isolation	250V AC optically isolated from input, logic, excitation, power, alarms and data output ports			
Accuracy	+/- 0.1% of range			
Linearity	+/- 0.02% of range			
Stability	+/- 50ppm/°C			
Alarm Outputs (optional)				
AL2 and AL4 Option	2 or 4 x SPST mechanical relays, 2A @ 250V AC, resistive load			
DSS and QSS Option	2 or 4 x solid state relays, specify AC or DC, 100mA max @ 250V AC, 500mA max @ 60V DC			
SPCO Option	2 x SPCO mechanical relays, 2A @ 250V AC, resistive load			
Response Speed	For mechanical relays allow 105mS, for solid state relays allow 100mS			
Data Output (optional)				
232 Option	RS232 ASCII			
485 Option	RS422/RS485 ASCII + Modbus ASCII			
RTU Option	Modbus RTU			
Response Speed	Derived from displayed value, updated x10 per second, display filtering applies to data output			
Isolation	250V AC optically isolated from input, logic, excitation, power, alarms and analogue output ports			



ORDERING GUIDE

Digit Height: F2 2 inches (57mm) F6 6 inches (150mm)		SS - X	- X	- L	- X	- X	- X	- X	- X	- X
F4 4 inches (102mm) F8 8 inches (200mm)										
Digit Format: 4N 8.8.8.8 - 4 digit, numeric format 6N 8.8.8.8.8 - 6 digit, numeric format										
Function / Input Type: L Load cell input										
Analogue Output: 0 None ANB -10 to +10V ANI 4-20mA ANV 0-10V										
Alarm Outputs: 0 None AL2 2 x SPST mechanical relays DSS 2 x solid state relays (specify AC or DC) SPCO 2 x SPCO mechanical relays AL4 4 x SPST mechanical relays QSS 4 x solid state relays (specify AC or DC)										
Data Output: 0 None 232 RS232 485 RS422/485 + Modbus ASCII RTU Modbus RTU										
Digit Colour: Indoor B Blue 6" and 8" G Green R Red W White 6" and 8" Y Yellow Outdoor BDLV Blue 6" and 8" GDLV Green RDLV Red WDLV White 6" and 8" YDLV Yellow										
Power: 48VAC 48V AC AC 95-265V AC DC 11-30V DC										
Mounting: 2 Wall, cable glands on bottom surface 3 Suspension, cable glands on bottom surface 4 Wall, cable glands on top surface 5 Suspension, cable glands on top surface										

