



SSFM-ND SMARTSENSE[®] NETWORK DISPLAY

- Low power consumption, high-efficiency switch mode power supply
- Free, easy-to-use configuration software package
- The display is fully configurable through the ViewMarq software for ease of use.

FEATURES

The smartsense network display is a 4-line, tri-color, 9.5-inch maximum character size LED message display.

The SSFM-ND is a 4-line x 24 character display which supports red, amber and green characters, embedded string and numeric variables and scrolling (right, left, up and down). There are (1) RS-232 port, (1) RS-485 port and (1) 10/100 BaseT Ethernet port for configuration and external message control.

It supports serial ASCII, Modbus RTU, and Modbus TCP proto-cols.

TECHNICAL DATA

PERFORMANCE SPECIFICATIONS	
Type	LED matrix: Tri-color (Green, Red, Amber)
LED Life	100,000 hours
LED Pitch	0.19 in [5 mm]
LED Spacing	0.27 in [7 mm]
Number of Lines	4 (Based on 5 x 7 pixel sized characters)
Text Height	1.25 in, 2 in, 4 in, 6 in, 8 in (Depends on character set selected)
Character Set	Printable ASCII
Approximate Viewing Distance	400 ft
Serial Communications	Serial RS-232, RS-485 both ASCII and Modbus, 2400 - 38.4KB - Slave only
Ethernet Communications	Modbus TCP, 10/100 BaseT - Server only

AC ELECTRICAL DATA	
Input Voltage	100-240 VAC (+10% / -15%), 50 / 60 Hz
Maximum Current	2A
Power Consumption (MAX)	123W
Maximum Inrush Current (Cold and Hot)	9.5A
Insulation Resistance	10 MOhms @ 500 VAC

DC ELECTRICAL DATA	
Input Voltage	24 VDC (+10% / -15%)
Maximum Current	4A
Reverse Polarity Protection	12A

ENVIRONMENTAL DATA	
Storage Temperature	-30 to +85 °C (-22 to +185 °F)
Operating Temperature	0 to 60 °C (32 to +140 °F)
Humidity	5 - 95% non-condensing
Enclosure Rating	NEMA 12 indoor only, NEMA 4 indoor only
Vibration	IEC 60068-2-6 (Test Fc)
Shock	IEC 60068-2-27 (Test Ea)
Noise Immunity	EN61131-2:2007

Technical data are limit values.

If the product is integrated into systems or operated in combination with other devices, its permissible operating values can deviate from these limit values. Subject to technical modifications without prior notice.

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