



NT2S

Programmable function key terminals

2 lines-16 character display • 6 (function) keys • affordable

Need a simple, high quality, low-cost solution?

NT2S

Programmable function key terminals

Appealing simplicity

The Omron NT2S programmable function

key terminals are appealing in their

simplicity. These small, six key

terminals can be placed anywhere.

With their 2 lines of 16 character

displays they are not only attractive to

your customer, but more importantly,

they fulfill all the functionality that you

need in a great variety of applications.

The easily applicable type

NT2S-SF123B-E. This Omron terminal is easily applicable in almost any configuration. The main advantage of this specific type of terminal is that you do not need to program the terminal itself. Instead it connects directly to a PLC. Key activation is directly fed to the memory of this PLC. Even the terminal texts are stored in the PLC memory.

The best connected type

NT2S-SF122B-E. This programmable function key terminal is highly connectable. It is not only plug compatible to Omron PLCs. A full list of drivers also makes it fully compatible with almost any other PLC brand. The available programming tool for the Omron NT2S series is extremely user-friendly. Just select the required driver from this tool. It configures the programmable function key terminal automatically when you download your application.

Integrated time base included

NT2S-SF121B-E. Top of the line. Identical to type SF122B but with a programmable real time clock and a separate additional 24-Volt supply connector.

Capacity

- The memory of 8 Kbytes allows the use of 250 different screens.

Variables

- Variables linked to PLC memory locations can be changed from the terminal.
- PLC memory locations can be embedded within text messages.

Bar graphs

- Contents of PLC memory locations can be display by means of horizontal bar graphs.

Communication modes

- The terminals communicate with Omron PLC's through the Hostlink protocol.
- Per PLC port one terminal can be connected.



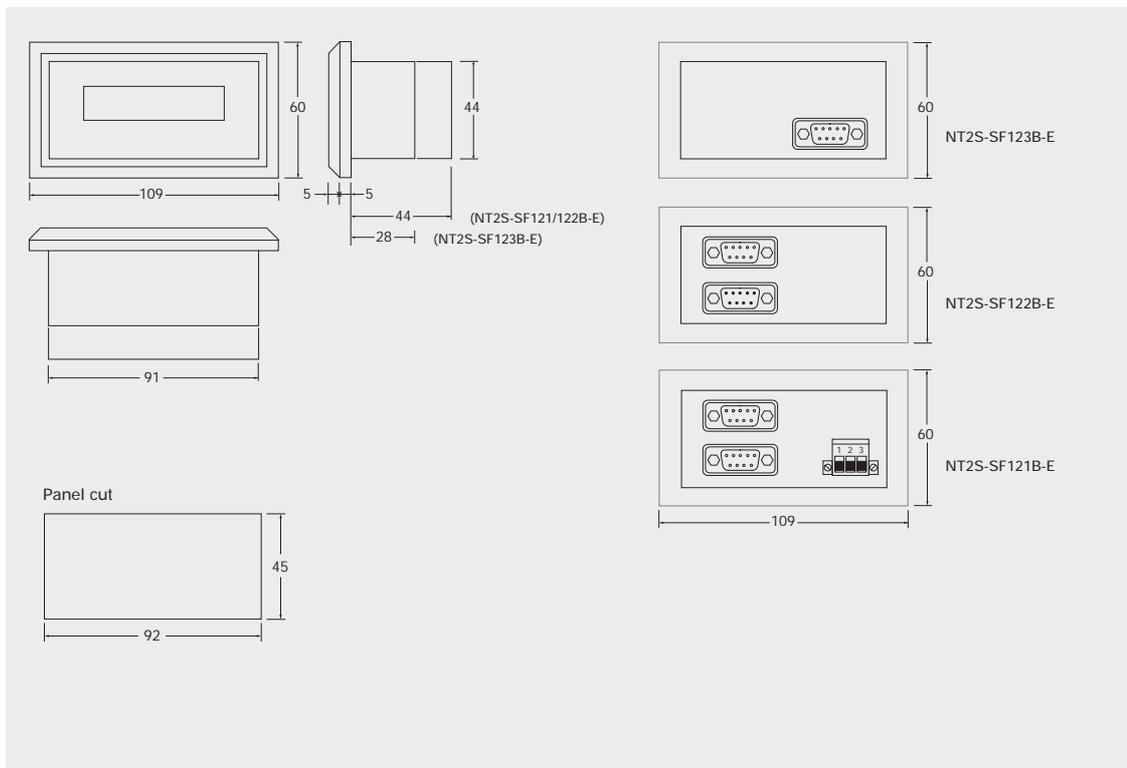
General specifications

	NT2S-SF123B-E	NT2S-SF122B-E	NT2S-SF121B-E
			
Display	Character LCD		
Backlight	LED		
Char. Height	4,35 mm		
Characters	2 lines, 16 characters		
Area (l x h)	60 x 13 mm		
Key type	Membrane		
Nbr. of keys	6	6	6
Function	Controlled by PLC	Dual function: operation keys and programmable function keys	
Memory	8 kByte		
Serial ports	-	PC download and printing: RS232 DB9 female	
	PLC: CMOS DB9 male	PLC: CMOS DB9 male	PLC: RS232/CMOS DB9 male
Power supply	Through PLC cable	Through PLC cable	10 - 30 Vdc
Load	-	-	1,5 W
Protection	IP65/Nema 4-12		
Operating temp.	0 to 50°C		
Storage temp.	-20 to 60°C		
Mounting depth	28 mm	44 mm	44 mm
Front size (l x h)	109 x 60 mm		
Front	Polyester foil		
Casing	Plastic		
Weight	400g		
Mounting method	2 clamps		
Sealing method	Rubber foam gasket		
Panel cut	92 x 45 mm (1/8 DIN format)		
Standards	CE, UL/CSA		
Noise resistance			
Common mode	1700 Vp-p (between the power supply terminals and panel)		
Normal mode	480Vp-p		
Pulse range	100 ns and 1us		
Rise time	1 ns pulse		
Vibration resistance	10 to 61,2 Hz, amplitude 0,1 mm. 61,2 to 150 Hz, 1,5 G 3 directions, 4 sweeps of 8 min.		
Shock resistance	147 M/s (15G), 3 times in X, Y and Z directions		
Programming tool	Not programmable, controlled by PLC	NT2-ST	

For more information

For full distributor information please call the nearest Omron Company listed in this brochure.

Dimensions



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