



# NT15S | NT18S


*Programmable function key terminals*

Graphical display

High quality

High functionality

## General specifications

	NT15S-SF121B-E	NT18S-SF121B-E
		
Display	Graphical LCD	Graphical LCD
Backlight	LED	CFL
Size	240 x 64 pixels	240 x 128 pixels
Characters	8 lines, 40 characters, 3,7 mm	16 lines, 40 characters, 3,7mm
Area	134 x 40,4 mm	131 x 72 mm
Keyboard	Membrane	Short stroke keys
Keys	25	22
Function keys	17	12
FK specs	integrated LEDs and exchangeable identification strips	
Memory		
Flash rom	256 kByte application	
Eprom	256 kByte firmware	
Stat ram	128 kByte working	
Serial connections	D-sub 25-pin (female) Download and printer: RS232, no galvanic isolation PLC: RS232, RS485, TTY/20mA galvanic isolation	
Power supply	24 Vdc, min 19,2 V max 30,2 V	
Load	10W	20W
Protection	IP65/Nema 4/12	
Operating temp.	0 to 50°C	
Storage temp.	-20 to 60°C	
Mounting depth	50 mm	60 mm
Front size (w x h)	250 x 230 mm	330 x 190
Front	Anodized aluminum, polyester foil	
Casing	Zinc coated plate steel	
Weight	1250 g	1500 g
Panel cut (w x h)	204 x 188 mm	292 x 152 mm
Mounting method	6 x M4 bold	10 x M4 bold
Sealing method	Rubber O seal	
Standards	CE, (UL/CSA in preparation)	
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	NTFK-ST	