

Profibus



**100 mm high digits. Industrial environment
Readable from up to 50m
1 or 2 displaying sides.**

Characteristics

Message display designed to be used in industrial environment.

Real time clock: Seconds / Minutes / Hours / Days / Month / Year. It is adjustable by two push buttons. The clock is NiMH battery backup, which lasts approximately one month.

Profibus DP automatic baud rate detection.

GSD file provided.

Option: Relative humidity and temperature sensor.

Applications

Display of any message from a PLC, production rates, alphanumeric readouts, maximum 16 variables per line.
Display of messages from internal memory or from the Profibus network.

Message edition

Editing and saving messages on the display.

Messages are edited by PC with the TDL software. Applications in which the display receive the complete message by the Ethernet serial line you may store only de message 0, because message 0 is used at the display start up.

Recording messages.

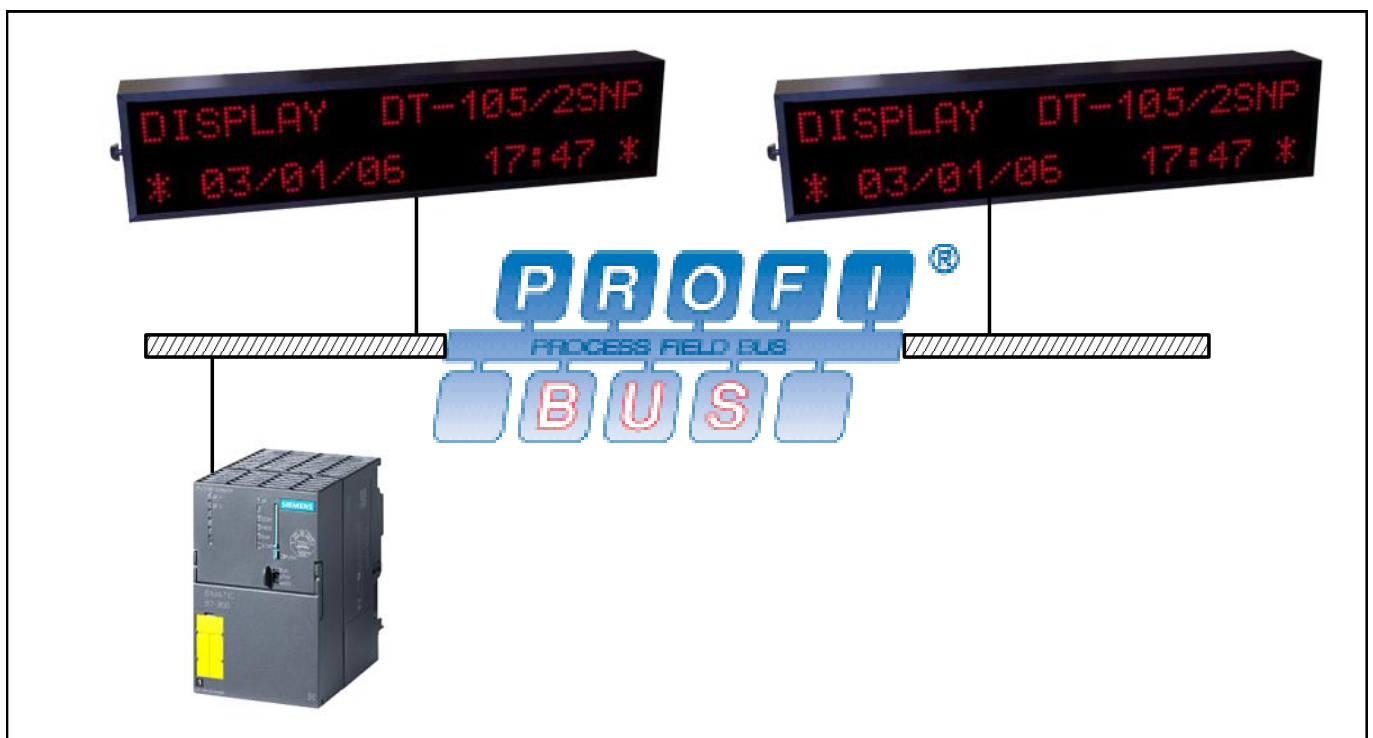
Messages edited by PC are sent to display by RS-232 serial line and the remain saved in a Eeprom memory. Batteries are not needed for message maintenance.

Working order

The DT-NE may be controlled in two ways: Sending by the Profibus line the complete message or only the message number.

Before to transmit the first block you must check the display parameters: Address and Protocol.

Example



General characteristics

Number of sides	1 o 2			
Number of lines	1 to 8 lines			
Character/line	6, 13, 20 or 26 characters			
Display matrix	LED, 5 x 7 dot matrix			
Character height	100mm			
Reading distance	50 meters			
Maximum environmental lighting	DT-110 = 1000 lux. DT-110h = Outdoor			
Power supply	88 to 264 VAC 47 to 63Hz.			
	Dimensions (mm)			
	6 characters	13 characters	20 characters	26 characters
1 line	666 x 177 x 120	1276 x 177 x 120	1886 x 177 x 120	2496 x 177 x 120
2 lines	666 x 378 x 120	1276 x 378 x 120	1886 x 378 x 120	2496 x 378 x 120
3 lines	666 x 591 x 120	1276 x 591 x 120	1886 x 591 x 120	2496 x 591 x 120
4 lines	666 x 805 x 120	1276 x 805 x 120	1886 x 805 x 120	2496 x 805 x 120
5 lines	666 x 1018 x 120	1276 x 1018 x 120	1886 x 1018 x 120	2496 x 1018 x 120
6 lines	666 x 1232 x 120	1276 x 1232 x 120	1886 x 1232 x 120	2496 x 1232 x 120
7 lines	666 x 1445 x 120	1276 x 1445 x 120	1886 x 1445 x 120	2496 x 1445 x 120
8 lines	666 x 1659 x 120	1276 x 1659 x 120	1886 x 1659 x 120	2496 x 1659 x 120
Protection degree	DT-110 = IP41 DT-110e = IP65 DT-110f = IP54			
Max. number of messages	512 messages			
Max. Length of the message	160 characters			
Messages memory	EEPROM 32kB			
Case/display	Aluminium section in black. Display in extruded antireflex methacrilate			
Humidity + temperature accuracy	Temperature $\pm 0,5^{\circ}\text{C}$ at 25°C . Humidity $\pm 3,5\%$ between 30% and 70%.			
Operation temperature	From -20°C to 60°C			
Stock temperature	From -30°C to 70°C			

Reference composition

