Profibus

30 mm high digits. Industrial environment
Readable from up to 15m
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.
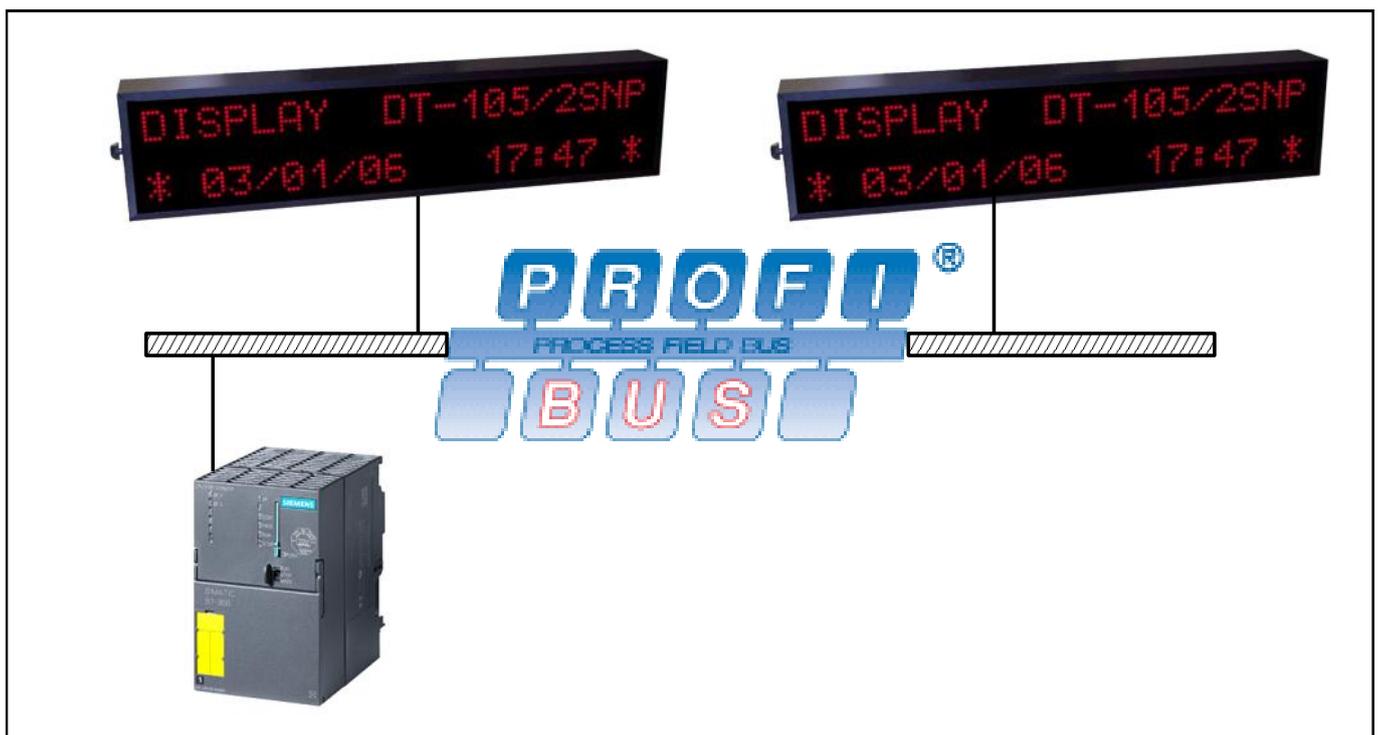**Recording messages.**
Messages edited by PC are sent to display by RS-232 serial line and the remain saved in a Eeprom memory. Batteries are not needed for message maintenance.

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 or 2
Control	Profibus DP 12Mhz.
Connector	Profibus
Number of lines	2,4,6 or 8 lines
Character/line	20 or 40 characters
Display matrix	LED, 5 x 7 dot matrix
Character height	30mm
Reading distance	15 mètres
Maximum environmental lighting	1000 lux
Power supply	88 to 264 VAC 47 to 63Hz.

	Dimensions (mm)	
	20 characters	40 characters
2 lines	615 x 177 x 120	1170 x 177 x 120
4 lines	615 x 317 x 120	1170 x 317 x 120
6 lines	615 x 464 x 120	1170 x 464 x 120
8 lines	615 x 611 x 120	1170 x 611 x 120
Protection degree	DT-203 = IP41 DT-203e = IP65	
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 ±0,5ºC at 25ºC. Humidity ± 3,5% between 30% and 70%.	

Reference composition

DT-203 ☐☐ / ☐☐ NP- ☐☐

Mandatory codes
Optional codes

e = IP-65 (2 lines)
f = IP-54 (4 to 8 lines)
i = Stainless steel box(IP65)*

h = high brightness (only if IP-65 or IP-54)

Lines = 2, 4 , 6 or 8

+TH = Temperature and humidity

20 = 20 Characters
40 = 40 Characters

S = 1 Side
D = 2 Sides

* The stainless steel box is available only in the following cases:

Number of lines	Number of characters	Box measures
2 lines	20 characters	800x200x120

DITEL