Ethernet

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.
Connector RJ-45
Option: Relative humidity and temperature sensor.

Applications

The display of any message from a PC, production rates, Scada software (LabView), alphanumeric readouts.
The display of any data from a PLC: Temperature, engine RPM, alarm messages.

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 Ethernet serial line and the remain saved in a Eeprom memory. Batteries are not needed for message maintenance.
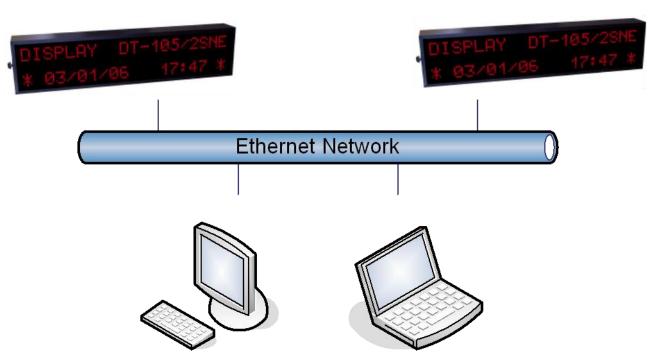
Operation

The DT-NE must be controlled sending a message, whit the end of block, to display IP address. The display's answer may be selected.
Before to transmit the first block you must check the display parameters: Protocol, end of block and response message.
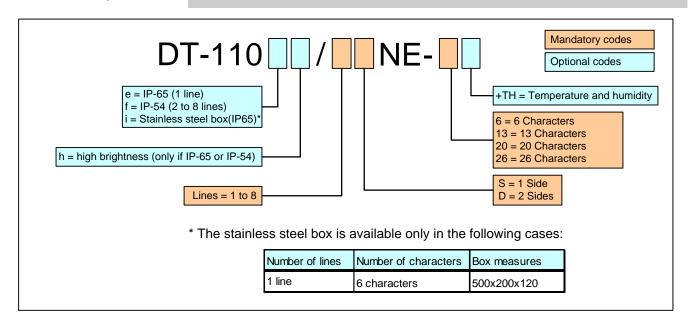Reading the display's MAC code is possible with the parameters utility.
To assign the IP address, download the DeviceInstaller utility from the Lantronix web.

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 ±0,5ºC at 25ºC. Humidity ± 3,5% between 30% and 70%.			
Operation temperature	From -20ºC to 60ºC			
Stock temperature	From -30ºC to 70ºC			

Reference composition

DT-110 ☐☐ / ☐☐ NE- ☐☐

Mandatory codes
Optional codes

e = IP-65 (1 line)
f = IP-54 (2 to 8 lines)
i = Stainless steel box(IP65)*

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

Lines = 1 to 8

+TH = Temperature and humidity

6 = 6 Characters
13 = 13 Characters
20 = 20 Characters
26 = 26 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
1 line	6 characters	500x200x120