

LARTET

**DT-110NE**

**Ethernet TCP/IP,  
UDP/IP and Modbus/  
TCP**



100 mm high digits. Industrial environment  
Readable from up to 50m  
1 o 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.

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

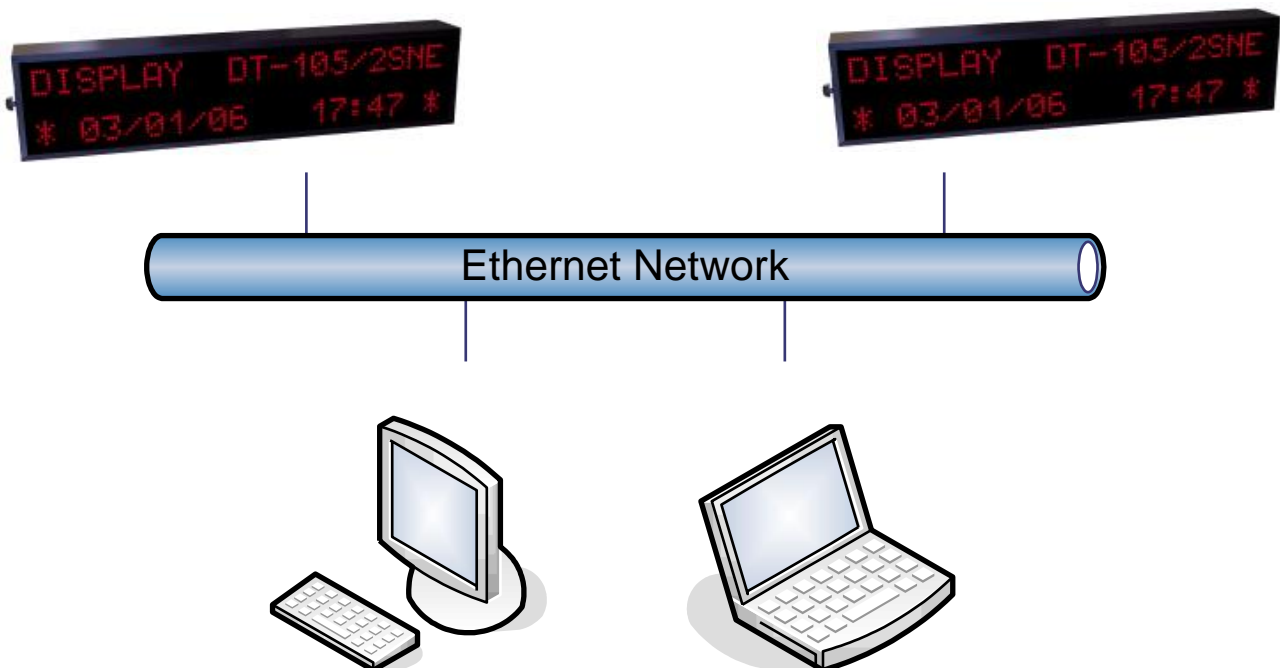
The DT-NE must be controlled sending a message, whit the end of block, to display IP address. The display's answer may be selected.

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	100 to 240 VAC 50 to 60Hz. Option 24VCC.			
	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	Not available
5 lines	666 x 1018 x 120	1276 x 1018 x 120	1886 x 1018 x 120	Not available
6 lines	666 x 1232 x 120	1276 x 1232 x 120	1886 x 1232 x 120	Not available
7 lines	666 x 1445 x 120	1276 x 1445 x 120	Not available	Not available
8 lines	666 x 1659 x 120	1276 x 1659 x 120	Not available	Not available
Protection degree	DT-110 = IP41 DT-110f = IP54 DT-110e = 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			
Protocols	TCP/IP, UDP/IP, Modbus/TCP & TDL.			
Humidity + temperature accuracy	Temperature $\pm 0,5^{\circ}\text{C}$ typ $\pm 2,5$ MAX. Humidity $\pm 4,5\%$ between 20% and 80%. Probe length: 2 meters.			
Operation temperature	From $-20^{\circ}\text{C}$ to $60^{\circ}\text{C}$			
Stock temperature	From $-30^{\circ}\text{C}$ to $70^{\circ}\text{C}$			

## Reference composition

