DITEL

Wifi

50 mm high digits. Industrial environment
Readable from up to 25m
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.
Easy to install. Only needs the power supply.
Option: Relative humidity and temperature sensor.

Applications

The display of any message from a PC, production rates, Scada software (LabView), alphanumeric readouts.
Displaying data in places of difficult access (Cranes, mobile machinery),
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 Wifi 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 Wifi serial line and the remain saved in a Eeprom memory. Batteries are not needed for message maintenance.
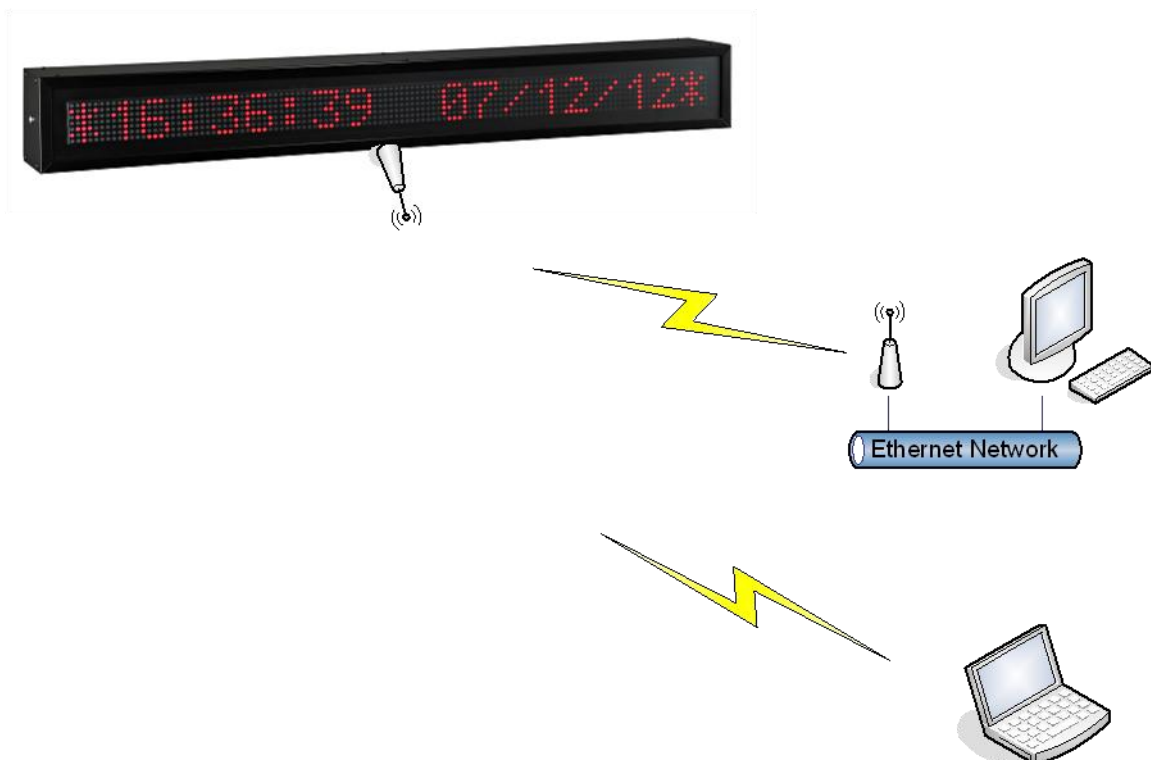
Working order

The DT-NW 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

	6 characters	13 characters	20 characters	26 characters	33 characters	40 characters
Number of sides	1 o 2					
Number of lines	1 to 8 lines					
Character/line	6, 13, 20, 26, 33 or 40 characters					
Display matrix	LED, 5 x 7 dot matrix					
Character height	50mm					
Reading distance	25 meters					
Maximum environmental lighting	DT-105 = 1000 lux.					
	DT-105h = Outdoor					
Power supply	88 to 264 VAC 47 to 63Hz					
	Dimensions (mm)					
	6 characters	13 characters	20 characters	26 characters	33 characters	40 characters
1 line	375 x 122 x 120	680 x 122 x 120	985 x 122 x 120	1290 x 122 x 120	1595 x 122 x 120	1900 x 122 x 120
2 lines	375 x 230 x 120	680 x 230 x 120	985 x 230 x 120	1290 x 230 x 120	1595 x 230 x 120	1900 x 230 x 120
3 lines	375 x 338 x 120	680 x 338 x 120	985 x 338 x 120	1290 x 338 x 120	1595 x 338 x 120	1900 x 338 x 120
4 lines	375 x 446 x 120	680 x 446 x 120	985 x 446 x 120	1290 x 446 x 120	1595 x 446 x 120	1900 x 446 x 120
5 lines	375 x 554 x 120	680 x 554 x 120	985 x 554 x 120	1290 x 554 x 120	1595 x 554 x 120	1900 x 554 x 120
6 lines	375 x 662 x 120	680 x 662 x 120	985 x 662 x 120	1290 x 662 x 120	1595 x 662 x 120	1900 x 662 x 120
7 lines	375 x 770 x 120	680 x 770 x 120	985 x 770 x 120	1290 x 770 x 120	1595 x 770 x 120	1900 x 770 x 120
8 lines	375 x 878 x 120	680 x 878 x 120	985 x 878 x 120	1290 x 878 x 120	1595 x 878 x 120	1900 x 878 x 120
Protection degree	DT-105 = IP41					
	DT-105e = IP65					
	DT-105f = 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-105 ☐☐ / ☐☐ NW- ☐☐

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

S = 1 Side
D = 2 Sides

+TH = Temperature and humidity

6 = 6 Characters
13 = 13 Characters
20 = 20 Characters
26 = 26 Characters
33 = 33 Characters
40 = 40 Characters

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

Number of lines	Number of characters	Box measures
1 line	6 characters	500x200x120
	13 characters	800x200x120
2 lines	6 characters	500x300x120
	13 characters	800x400x120