Wifi

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.
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.
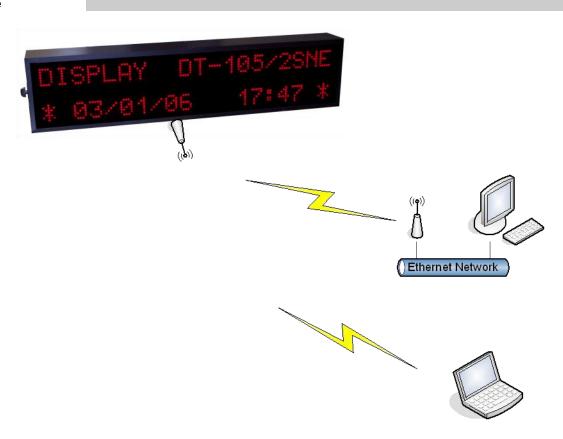
Working order

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.
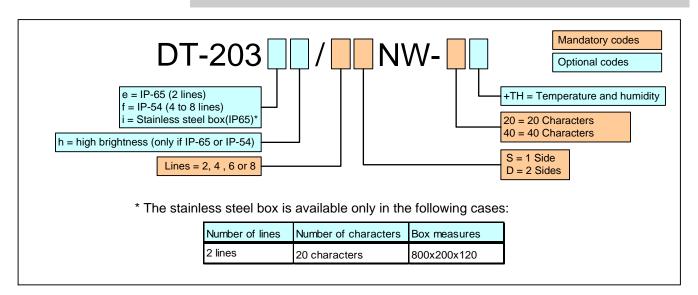Reading the display's MAC code is possible with the parameters utility.
To assign the IP address, download the DeviceInstaller utility from the Lantronix web.

Example

General characteristics

Number of sides	1 or 2
Control	WIFI Ethernet TCP/IP
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%.	
Network standards	IEEE802.11b i IEEE802.11g	
Frequency range	2.412 a 2.484 GHz	
Range	Up to 100m indoors	
Security	WEP 64/128, WPA-PSK, TKIP, AES end-to-end encryption	
Maximum receiver level	-10dBm (amb PER < 8%)	

Reference composition

DT-203 ☐☐ / ☐☐ NW- ☐☐

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