



QUICK INSTALLATION GUIDE

Alphanumeric single color LED display especially suitable for outdoor applications

DISPLAY CONFIGURATION

Indicator initializes automatically when connecting it to power supply. Once this process is finished it shows last visualized program (execution mode) or remains with display off (STOP mode) awaiting for any comand. The instrument has a default demo program in memory.

The available aplication that allows device configuration and/or to edit information that appears on display is: **Dynamic 3** (Visualization of programs editor).

This software application, **USB** drivers and **Dynamic 3**, **DMG-TCP/ASCII**, **DMG-MODBUS** and **DTPM** user manuals can be free downloaded from our website and directly installed on the PC. (<u>Minimum software requirements for running **Dynamic 3**: Windows 7 or higher).</u>

Dynamic 3 specific application software allows user to modify/create the program sequences that will be displayed. It is possible to choose character types, the mode how the messages will appear, provide effects, graphics (depending on the model), temporary variables (hour, date, countdown) and numeric (or alphanumeric) variables in real time. It is also possible to create or import graphics and new character types. Programms can be directly displayed or easily transferred to the device memory in file format to be recovered afterwards and then offline visualized.

Indicator configuration from a PC using **Dynamic 3** can be done through **RS232/RS485**, **Ethernet** or **WiFi** (options) besides of **USB** (by default).

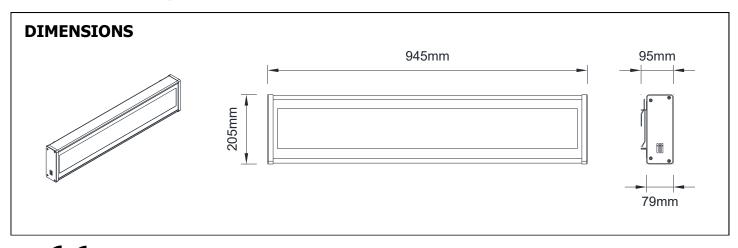
It is also possible to configure a numeric inputs module (option) to work with 4/8 inputs as a programms execution mode or as an alarms control mode. In programms execution mode it is possible to work with three input types, independent inputs where each input corresponds to a programm to visualize, 4/8-bit binary inputs (up to 16/256 programms) and 3/7-bit binary inputs (+1 strobe bit used to enable inputs). On the other hand, as an alarms control mode, the inputs work idependently and programms are sequentially displayed within a configurable time interval.

The displays equipped with the analog input module (option) have 2 measuring channels of $\pm 10V$ or $\pm 20mA$. The input type (V or mA), the input signal range as well as the display range (within a maximum range of ± 32000 points) is fully configurable by software for each channel.

Default IP address is 192.168.1.100. The communication and rest of internal parameters can be configured through Dynamic 3.

Network communications with control of display through an external device as a PLC or PC are available through RS232, RS485, Ethernet or WiFi. The available protocols are **DTPM** (native protocol), **MODBUS RTU**, **TCP-ASCII**, **MODBUS TCP/IP** and **SNTP** (time synchronization).





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According to 2012/19/UE Directive, You cannot dispose of it at the end of its lifetime as unsorted municipal waste. You can give it back, without any cost, to the place where it was adquired to proceed to its controlled treatment and recycling.

TECHNICAL SPECIFICATIONS

SPECIAL FUNCTIONS

Automatic brightness intensity control or by software (0-100%). Font types and custom graphics editor. Up to 26 internal variables for real-time monitoring.

POWER SUPPLY AND FUSES

9 x 64 (pixels)	120VA / (F5A)
TSUAI 17ATIO	N

VISUALIZATION

DITEL

Character height 117mm Approx	x. max. reading dist. \leq 55m
LED type	Oval
LED colour available	Amber or Red
LED Diameter	Ø5mm (pitch 14mm)
Angle vision	70° horizontal, 35° vertical
Maximum number of static character	ers 10

ENVIRONMENTAL CONDITIONS

Working temperature	10ºC ÷ 60ºC
Relative humidity (non-condensing)	
Protection degree	IP54

MATERIALS

Front Smoked-grey or red methacrylate (LED color dependant)	
Case Black aluminium	
Weight	

COMUNICATION

Ports Mini USB (default)RS232/RS485, Ethernet (10/100) or WiFi (option)WiFi (availability depending on radio regulation of the country)

Protocols DTPM, MODBUS-RTU, TCP-ASCII or MODBUS TCP/IP, SNTP

Transmission rate 1200 to 115200 Baud (configurable)

TEMPERATURE SENSOR (OPTION)

Accuracy (-15°C \div 60C°) $\leq \pm 1.5°C$

