

# DMGI1664CF



# **QUICK INSTALLATION GUIDE**

RGB LEDs Matrix display especially suitable for indoor applications

# DISPLAY CONFIGURATION

Display initializes automatically when connecting it to power supply and shows firmware version, ID adresse and option data (IP...). Then 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 **Dynamic 3** (Configurationand Program Editor) application is used to configure the display and/or modify the information displayed on the screen. This application, **USB** drivers, as well as user manuals for **Dynamic 3**, **DMG-TCP/ASCII**, **DMG-MODBUS** and **DTPM** user manuals can be free downloaded from our website (Dynamic 3 compatible with Windows 7 and above).

**Dynamic 3** sallows 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 (default).

The option of 4 or 8 digital inputs can work as independent inputs where each input corresponds to a program to be displayed, binary inputs of 4/8 bits (up to 16/256 programs to be displayed) or binary inputs of 3/7 bits + 1 strobe bit to enable the inputs. It is also possible to display the programs in sequential form with a programmable scan interval.

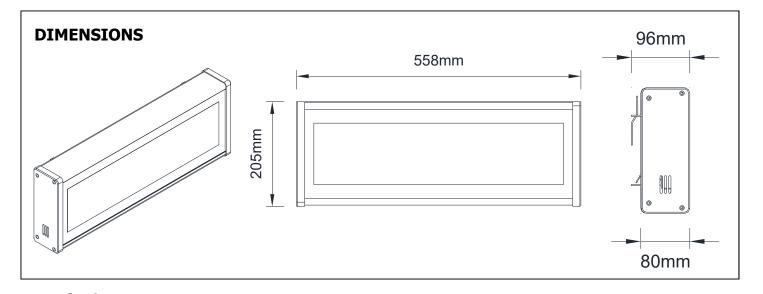
The option of analog input have 2 measuring channels of  $\pm 10V$  or  $\pm 20$ mA. The input type (V or mA), the input signal range as well as the display range (within a maximum range of  $\pm 32000$  points) is fully configurable for each channel.

The default Internet IP address is 192.168.1.100. The communication, optional modules and rest of internal settings are 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**, **MODBUS TCP/IP**, **TCP-ASCII** and **SNTP**.

The option of infra-red (IR) optional remote control allows to activate memorized programmed .Press **MENU** key, select submenu **PROGRAMMES** and desired program on the list of programs stored using arrow keys  $\triangle$  and  $\nabla$ , press **OK** button, the selected program activates immediately.





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**

#### VISUALISATION

Graphic resolution	
Character height 53mm	Approx. max. reading dist. $\leq$ 20m
Character height 153mm	Approx. max. reading dist. $\leq$ 55m
LED diameter	Ø 3mm
Pitch	7.2mm
LED type	SMD
LED colour	RGB (7 couleurs)
Angle vision	120°
Numerous character types.	

Maximum number	r of statio	characters per	· line	8/1 ou 10/2
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## **ENVIRONMENTAL CONDITIONS**

Working temperature	10°C ÷ 60°C
Relative humidity (non-condensing)	<90% @ 40°C
Protection degree	IP54
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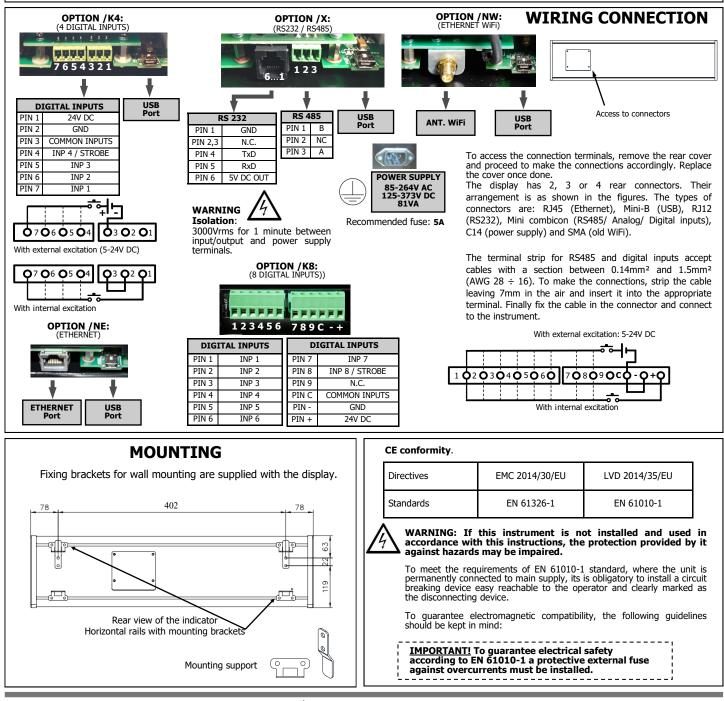
#### MATERIALS

Frontal display	Smoked-grey methacrylate
Case	Black aluminium
Weight (approx.)	5kg

## COMUNICATION

## **TEMPERATURE SENSOR (OPTION)**

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





DISEÑOS Y TECNOLOGÍA, S.A. Xarol, 6B P.I. Les Guixeres 08915 Badalona (Barcelona) - Espagne