



MD-088/090/122

TFT color display 4.3", 7" y 10.4"

MD-088/090/122

TFT FOR LIFT AND BUILDINGS

More than just a display, incredible performance, unbelievable price

Global Display offers you a new way of communication dynamic, reliable and equipped with the best performance and advantages.

The MD-088/090/122 TFT modules provide you an exceptionally high contrast, colour saturation, luminance and improvements in performance as natural colour, anti-glare screens and wide viewing angles.

With optional Touch screen, the MD-088/090/122 TFT can be used as button panel, keypad or numeric keyboard code display for access control.

Why MD-088/090/122 TFT module?

- Compatibility and versatility
- Available sizes: 4,3"/ 7"/10,4"
- Modern and attractive with an INNOVATIVE touch
- Remote updating contents
- Predefined and custom layouts designs (on request)
- Highest luminance
- Images incredibly sharp and exciting
- Anti-reflective
- Wide viewing angle
- LED Backlighting
- Good performance at an affordable price



Arrows and numbers in 2D and 3D formats



International weather forecast information updated



Date and time in several formats and fonts. Automatic updating



Corporate Identity: Company Name and Logo, building, business...



Ciudad de las Artes y las Ciencias
Exposición "Ciencia y Arte", 31 de Mayo.
RAE: Global Display Tlf: +34 983 179 083

Information and images with remote updating:

- News / Promotions / Events...
- Static images or presentations
- Directories/messages...











RSS and notification messages with images, in several languages

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Features

- Colour TFT Screen
- MD-088: 4.3", MD-090: 7 " and MD-122: 10.4"
- Landscape or Portrait orientation
- Audio (16-bit)
- Temperature sensor
- Remote Update of contents
- News / RSS Contents
- Date and Time. Automatic updating
- Clock / Built-in battery
- Energy saver mode
- Emergency LEDS
- Module Programming in MMC / SD / SDHC Memory Card

	CPU ARM7 72 MHz
	Multimedia contents and static images
	Audio
	Data Storage in SD/MMC/SDHC Card
	International weather forecast information updated
	Custom firmware
	Ethernet 10/100 Mb/seg.
	Update of contents by USB
	Vandal-proof design (optional)
	parallel opto-isolated/CAN/LIN/ RS232/RS485/USB connectivity

Custom Firmware

- Custom and flexible Firmware: It is possible to adapt the firmware according to customer specifications.
- Standard operating mode.
- Integrated menu settings (buttons) and PC software for module configuration.
- Support and configuration by GLOBAL DISPLAY (upon request).
- Multiple design options and Layouts.
- Customizing design (upon request).



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Preconfigured DESIGNS. Different layouts and orientation can be chosen.

- TFT 4,3" MD-088



- TFT 7" MD-090 and TFT 10.4" MD-122



Special Images



Opened doors



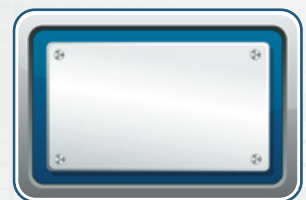
Shopping mall



Failure



Firefighter only



Directory



Go out



Overload



Out of service



Parking



Restaurant

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Contents updating

The images and messages displayed on the modules can be updated in different ways:

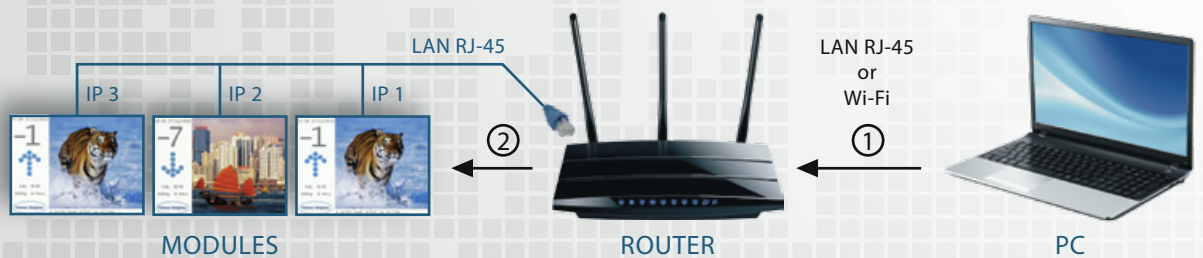
- Direct update of files by using a USB pendrive.

Using a PC and the configuration program then the messages and photos can be changed or updated directly by using a USB Flash Drive. Once the Flash Drive USB is inserted and recognized, then the module will automatically download the new contents.



- Direct update using PC via intranet.

The module is on a local network, not necessarily connected to the Internet with an IP assigned. From a computer it scans modules that are connected to the local network. We choose the module to update and you load the files directly into the module.



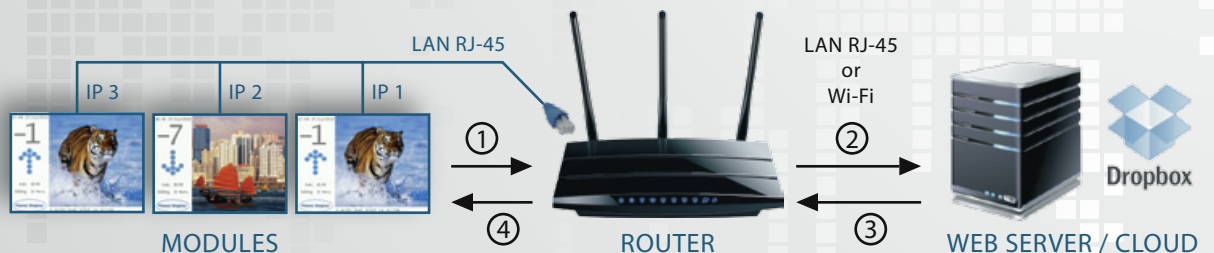
- Direct update from RSS channel.

The module connects directly with a web site with RSS service and the new contents are automatically downloaded.



- Remote Updating of contents from Web Server or Cloud (Dropbox).

The module connects to the Internet (web server or Dropbox cloud type) to check for a list of files to update. It compares dates and it downloads New files. Then proceeds to a secure content upgrade and restart the module. Automatic updating of contents can be timed according to customer requirements.



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Technical specifications	
Power Supply	24 V (12 V - 27 V DC)
Emergency Power Supply	12 V (12 V - 27 V DC)
Maximum Power Consumption <ul style="list-style-type: none"> ■ MD-088 ■ MD-090 ■ MD-122 	220 mA to 24 V. 360 mA to 24 V. 580 mA to 24 V.
Screen Resolution <ul style="list-style-type: none"> ■ MD-088 ■ MD-090 ■ MD-122 	480x272 píxels 800x480 píxels 640x480 píxels
Mechanical Dimensions <ul style="list-style-type: none"> ■ MD-088 ■ MD-090 ■ MD-122 	140x140x25,4 mm. 165x140x29,0 mm. 228x228x44,0 mm.
Operating Temperature	0 to 50 °C
Actuators 2x(24V DV)	To connect relays or LEDs
Colors	65.535 RGB
Luminosity <ul style="list-style-type: none"> ■ MD-088 ■ MD-090 ■ MD-122 	500 cd/m ² 300 cd/m ² 500 cd/m ²
Communication ports	Parallel (optoisolated inputs) 24 V DC USB device / USB host Ethernet 10/100 Mb/s RS-232 / RS-485 Serial port CAN LIN

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TFT FOR LIFT AND BUILDINGS

Our whole range of displays

Features	STANDARD			MULTIMEDIA		
	MD 088	MD 090	MD 122	MD 105	MD 115	MD 116
 TFT size and resolution	4,3" 480x272	7" 800x480	10,4" 640x480	7" 800x480	10,4" 1024x768	12,1" 1024x768
 Screen format	16:9	16:9	4:3	16:9	4:3	4:3
 CPU	ARM-7 72 MHz	ARM-7 72 MHz	ARM-7 72 MHz	ARM-11 666 MHz	ARM-11 666 MHz	ARM-11 666 MHz
 Multimedia contents and static images	✓	✓	✓	✓	✓	✓
 News / RSS Contents	✓	✓	✓	✓	✓	✓
 Audio	✓	✓	✓	✓	✓	✓
 Media Player	✗	✗	✗	✓	✓	✓
 Module programming by USB	✗	✗	✗	✓	✓	✓
 Wifi	✗	✗	✗	○	○	○
 Ethernet	✓	✓	✓	✓	✓	✓
 Update of contents by USB	✓	✓	✓	✓	✓	✓
 Vandal-proof design	○	○	○	○	○	○
 USB/RS-232/RS-485/parallel opto-isolated/CAN/LIN connectivity	✓	✓	✓	✓	✓	✓
 Incorporated				 Option		
				 Not Incorporated		

GLOBAL DISPLAY TECHNOLOGIES

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