cMT2058XH series

1 Installation and Startup Guide

This document covers the installation of cMT2058XH Series HMI, for the detailed specifications and operation, please refer to Datasheet, Brochure and EasyBuilder Pro User Manual. Please read all warnings, precautions, and instructions on the device carefully before use.

Install Environment:

NEMA Rating	The HMI product is NEMA 4 rated (indoor use only).
Electrical Environment	The HMI product has been tested to conform to European CE requirements. This means that the circuitry is designed to resist the effects of electrical noise. This does not guarantee noise immunity in severe cases. Proper wire routing and grounding will insure proper operation.
Environmental Considerations	(1) Make sure that the displays are installed correctly and that the operating limits are followed. Avoid installing units in environments where severe mechanical vibration or shocks are present. (2) Do not operate the unit in areas subject to explosion hazards due to flammable gases, vapors or dusts. (3) Do not install the unit where acid gas, such as SO2 exists. (4) This device should be mounted in the vertical position and for use on the flat surface enclosure. (5) For use in Pollution Degree 2 Environment and dry location. (6) Relative Humidity: 10% ~ 90% (non-condensing)
Operating Altitude (Atmospheric Pressure)	Below 3,000 m (9842.52 ft.), atmospheric pressure is 70.1 kPa.
IP Rating	IP 66
Cleaning Considerations	Clean the device using dry cloths. Do not use liquid or spray detergents for cleaning.
⚠ Warning	Protection impairment if used in a manner not specified by the manufacturer. Déficit de protection si utilisé d'une manière non spécifiée par le fabricant.

2 Unpacking the Unit

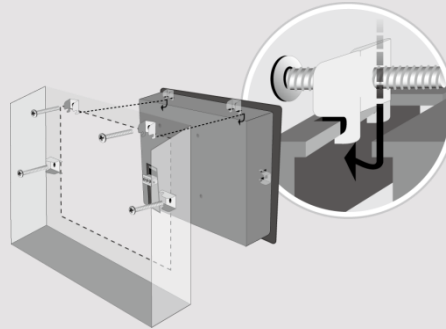Unpack and check the delivery. If damage is found, please contact the supplier.

NOTE: Place the operator panel on a stable surface during installation. Dropping it or letting it fall may cause damage.

The package includes:
(1) Installation Instruction, 2-sided A4 *1
(2) Human Machine Interface *1
(3) Power Connector *1
(4) Brackets & Screws *1 pack

3 Installation Instructions

Use a control box that provides enough stiffness. Cutout Dimension: 119 mm x 93 mm. Secure the operator panel in position, using all the fastening holes

and the provided brackets and screws
and preventing the panel from being d
Plan for adequate space around the u
the heat from other devices inside the
50°C.
Minimum required clearances (along t
Maximum panel thickness: 4.5 mm

4 Power Connections

⚠ Power Connector Specifications:
Wire AWG: 24~12
Wiring Conductor Minimum Tempe
Screw Torque: 4.5 lbf-in (max.)
Copper conduct only.

NOTE:

**1. Connect positive DC line to the '+
'-' terminal.**

**2. When downloading project using
with PLC and PC simultaneously, fo
result in damage to HMI or PC.**

5 System Settings

When the HMI powers up and displays
open the Setting page. To configure th
window will appear. The settings can b
In the Setting page, you can see devic
Time/Date/Name, and more.

6 EasyBuilder Pro Softwa

Launch EasyBuilder Pro software, sel
dialog box: Select Ethernet > IP tab >
to HMI.
Using screensaver and backlight save
by displaying the same image on HMI
(Please refer to EasyBuilder Pro User

7 | Communication Connections

NOTE: COM1 and COM3 [RS485] 2W support MPI 187.5K, please use one at a time.

9 Pin, Male, D-sub
COM1 [RS232]
COM1 [RS485]
COM3 [RS485]

```
1 2 3 4 5
 6 7 8 9
```

PIN#	COM1 [RS485]		COM1 [RS232] 2W	COM3 [RS485] 2W
	4W	2W		
1	Rx-	Data-		
2	Rx+	Data+		
3	Tx-			
4	TX+			
5	GND			
6			TxD	
7				Data-
8				Data+
9			RxD	

8 | Touchscreen Calibration & Restore Factory Default

Touchscreen Calibration: Press and hold anywhere on the screen during HMI startup.

Restore Factory Default: Follow section 5 instructions of this manual to open the Setting page, and then select "System Properties", press "Reset HMI to Default", enter the Admin password or "default111111", and press "Reset". Please note that all stored project files and data will be erased.

9 | Battery Replacement

Battery Specification: Type CR1220, Rated 3V
Battery replacement shall be performed by qualified personnel (engineer) only and care must be taken when handling lithium batteries. For more information on battery replacement and disposal considerations, please refer to the following link:
http://www.weintek.com/download/MT8000/eng/FAQ/FAQ_103_Replace_Battery_en.pdf

CAUTION

| **NOTE:** Make
installing the u

| | Power | Use power output
powered by DC p
systems. The powe
supply. The peak s |
| | Fusing Require-ments | If the display does
will protect against
of time. Check wiri |
| | High Voltage | A resettable fuse
DC voltage source |
| | Emergency Stop | A Hard-wired EME
ICS Safety Recom |
| | Supply Voltage Condition | Do not power the u
power supply. Note
power the unit. |

a. Power wire len
b. Please use twi
   impedance ma
c. If wiring is to b
   devices.
d. Keep AC, high
e. Add a resistor
   supply and the
   dissipation. Ty

Wire Routing

DANGER

Hardware Considerations

The system desig
thereby create an
interface can lead
physical injury to th
If you use any pr
potential safety ha
steps depend on
installation of soli
installation of Cont

Programming Considerations

To conform to ICS
ensure that all wr
checks built into th
personnel.

Limited Warranty

This product is limited warranted ag
The proven defective product will e
This warranty shall not cover any p
(a) Out of warranty period which is 12 month
(b) Damage caused by Force Majeure, accid
(c) Product has been repaired or taken apar
(d) Products whose identification markings h