


### 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 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	<ol style="list-style-type: none"> <li>(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.</li> <li>(2) Do not operate the unit in areas subject to explosion hazards due to flammable gases, vapors or dusts.</li> <li>(3) Do not install the unit where acid gas, such as SO<sub>2</sub> exists.</li> <li>(4) This device should be mounted in the vertical position and for use on the flat surface enclosure.</li> <li>(5) For use in Pollution Degree 2 Environment and dry location.</li> <li>(6) Relative Humidity: 10% ~ 90% (non-condensing)</li> </ol>
Cleaning Considerations	Clean the device using dry cloths. Do not use liquid or spray detergents for cleaning.
IP Rating	IP 66
 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.

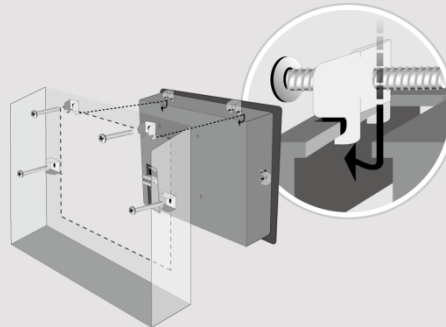
**NOTE: Place the operator panel on a stable surface during installation. Dropping it or letting it fall may cause damage.**

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. Screw Torque: 2.6 ~ 3.9 lbf.in. (For reaching waterproof effect and preventing the panel from being deformed.)



Plan for adequate space around the unit to dissipate the heat from other devices inside the enclosure. Maximum ambient temperature: 50°C.

Minimum required clearances (along the panel):  
Maximum panel thickness: 4.5 mm

### 4 Power Connections

Power Connector Specifications:  
 Wire AWG: 24~12  
 Wiring Conductor Minimum Temperature: 0°C  
 Screw Torque: 4.5 lbf-in (max.)  
 Copper conduct only.

#### NOTE:

1. Connect positive DC line to the '+V' terminal.
2. When downloading project using EasyBuilder Pro with PLC and PC simultaneously, failure may result in damage to HMI or PC.

### 5 System Settings

When the HMI powers up and displays the EasyBuilder Pro logo, the Settings window will appear. To configure the system, open the Setting page. The settings can be configured in the Setting page. In the Setting page, you can see device name, Time/Date/Name, and more.

### 6 EasyBuilder Pro Software

Launch EasyBuilder Pro software, select the connection method in the dialog box: Select Ethernet > IP tab > connect to HMI.

Using screensaver and backlight save power by displaying the same image on HMI. (Please refer to EasyBuilder Pro User Manual.)

## 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 Restore Factory Default

To 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](http://www.weintek.com/download/MT8000/eng/FAQ/FAQ_103_Replace_Battery_en.pdf)

### CAUTION

 Power

**NOTE:** Make installing the u

Use power output powered by DC p systems. The pow 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 power supply. Note power the unit.


 Wire Routing

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

### DANGER

 Hardware  
Considerations

The system desig thereby create an interface can lea 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, acci (c) Product has been repaired or taken apar (d) Products whose identification markings h