


### 1 Installation and Startup Guide

This document covers the installation of cMT3152X 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	<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) Conform to UL 61010-1 safety requirement 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 (5) Fuse 1.6A/250V 5\*20mm \*1

### 3 Installation Instructions


Use a control box that provides enough space for the operator panel in position, using all the holes and the provided brackets and screws. (For real waterproof effect and preventing the panel being deformed.)

Plan for adequate space around the unit and the enclosure, for ventilation and cable management. The heat from other devices inside the enclosure may affect the ambient temperature around the unit.

0 ~ 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: -40°C  
Screw Torque: 4.5 lbf-in (max.)  
Copper conduct only.

#### NOTE:

1. Connect positive DC line to the '+' 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 login screen, tap "open the Setting page." To configure the system or later, tap "configure," and a login window will appear. Enter the system password (default: 111111). If the password is correct, tap "login" and log in to make changes. In the System Settings, set HMI Time/Date/Name, and so on.

### 6 EasyBuilder Pro Software

Launch EasyBuilder Pro software, select "File" > "Open" dialog box: Select Ethernet > IP tab > "Open" file to HMI.

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

## 7 Communication Connections

### NOTE:

1. Only Tx & Rx (no RTS/CTS) may be used for COM1 RS-232 when COM3 RS-232 is also used.
2. COM1 / COM3 RS-485 2W Supports MPI 187.5K, please use one at a time.
3. COM1 RS-485 / COM3 RS-485 / CAN Bus with isolation protection.
4. To communicate properly, the CAN Bus has to be terminated at both ends by two 120Ω terminal resistances.

1 2 3 4 5  
6 7 8 9

### Con.B

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

PIN#	COM1 [RS232]4W	COM3 [RS232]2W
1		
2	RxD	
3	TxD	
4		
5	GND	
6		
7	RTS	TxD
8	CTS	RxD
9	GND	

5 4 3 2 1  
9 8 7 6

### Con.A

COM1/COM3 [RS485]/CAN Bus 9 Pin, Female, D-sub

PIN#	COM1 [RS485]2W	COM1 [RS485]4W	COM3 [RS485]2W	CAN Bus
1	Data-	Rx-		
2	Data+	Rx+		
3		Tx-		
4		Tx+		
5	GND (isolation)			
6			Data-	
7				CAN_L
8				CAN_H
9			Data+	

## 8 Restore Factory Default

Follow Step 5 to open the Setting dialog box. Go to "Reset options" tab, press the button of "Reset HMI to default". An Attention window shows, enter "yes".

Another way to restore factory default is entering "default111111" when logging in. An Attention window shows, enter "yes".

Please note that the projects and data stored in the unit are all cleared after pressing this button.

## 9 Battery Replacement

Battery replacement shall be performed by qualified personnel 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)

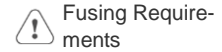
### CAUTION



Power

**NOTE:** Make installing the u

Use power output powered by DC p systems. The pow supply. The peak s



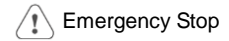
Fusing Require-  
ments

Fuse min. rating: 1 within 5 seconds o of the DC power is Replacing fuse sh <http://www.weintek.com>



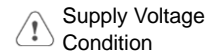
High Voltage

An Internal fuse w voltage sources sh



Emergency Stop

A Hard-wired EME ICS Safety Recom



Supply Voltage  
Condition

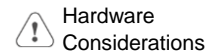
Do not power the power supply. Note power the unit.



Wire Routing

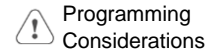
- a. Power wire ler
- b. Please use tw impedance ma
- c. If wiring is to b devices.
- d. Keep AC, high
- e. Add a resistor supply and the dissipation. Ty

### 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 solid 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 pr

- (a) Out of warranty period which is 12 month
- (b) Damage caused by Force Majeure, accio
- (c) Product has been repaired or taken apart
- (d) Products whose identification markings h