cMT3152X series

Installation Instruction

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	(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 (5) Fuse 1.6A/250V 5*20mm *1

3 Installation Instructions

Use a control box that provides enoug
Cutout Dimension: 352 mm x 279 mm
operator panel in position, using all the
holes and the provided brackets and s
Screw Torque: 2.6 ~ 3.9 lbf.in. (For rea
waterproof effect and preventing the p
being deformed.)
Plan for adequate space around the un
the enclosure, for ventilation and cable
the heat from other devices inside the
The ambient temperature around the u
0 ~ 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
or later, tap "configure", and a login wi
system password (default: 111111). If t
and log in to make changes. In the Se
settings, set HMI Time/Date/Name, an

6 EasyBuilder Pro Softwa

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

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.**

```
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] 9 Pin, Female, D-sub

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

8 Restore Factory Default

There are two methods to restore factory default, both of which will erase all project files and data stored on the device.
1. Follow the instructions in section 5 of this manual to open the Setting page and select the appropriate page based on the OS version before pressing "Reset HMI to default":
   For OS versions 20231201 or later, select the "System Properties" page, press "Reset HMI to Default," and select "Reset".
   For OS versions before 20231201, select the "Reset Options" page, press "Reset HMI to default", and enter "yes".
2. Alternatively, perform the operation based on the OS version:
   For OS versions 20231201 or later, after pressing "Reset HMI to Default", enter "default111111" or the default password "111111", and then select "Reset".
   For OS versions before 20231201, enter "default111111" during login, and then enter "yes".

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:
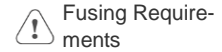http://www.weintek.com/download/MT8000/eng/FAQ/FAQ_103_Replace_Battery_en.pdf

---

CAUTION

NOTE: Make
installing the u

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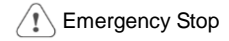powered by DC p
systems. The pow
supply. The peak s

Fusing Require-ments
Fuse min. rating: 1
within 5 seconds o
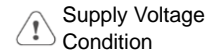of the DC power is
Replacing fuse sha
http://www.weintek

High Voltage
An Internal fuse w
voltage sources sh

Emergency Stop
A Hard-wired EME
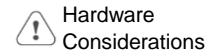ICS Safety Recom

Supply Voltage Condition
Do not power the u
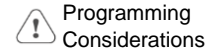power supply. Note
power the unit.

Wire Routing
a. Power wire len
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 a
interface can lea
physical injury to t
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 ei
This warranty shall not cover any pr
(a) Out of warranty period which is 12 month
(b) Damage caused by Force Majeure, accid
(c) Product has been repaired or taken apart
(d) Products whose identification markings h