


1 Installation and Startup Guide

This document covers the installation of MT8053iE 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"> (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) Conform to UL 61010-1 safety requirement for use in Pollution Degree 2 Environment and dry location. (6) Relative Humidity: 10% ~ 90% (non-condensing)
Cleaning Considerations	Clean the device using dry cloths. Do not use liquid or spray detergents for cleaning.
IP rating	IP 65
 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, notify the supplier.

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

- (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 space for the HMI. Cutout Dimension: 119 mm x 93 mm. Mount the operator panel in position, using all the provided holes and the provided brackets and screws. Screw Torque: 2.6 ~ 3.9 lbf.in. (For real waterproof effect and preventing the panel from being deformed.)

Plan for adequate space around the unit in the enclosure, for ventilation and cable management. The heat from other devices inside the enclosure. The ambient temperature around the unit should be 0 ~ 45°C

Minimum required clearances (along the enclosure):
Top 15 mm / Bottom 50 mm / Sides 15 mm
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.

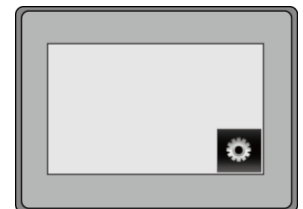
NOTE:

1. Connect positive DC line to the '+' terminal and connect the '-' terminal to the '-' terminal.
2. When downloading project using EasyBuilder Pro, connect HMI with PLC and PC simultaneously. A potential difference may result in damage.

5 System Settings

When HMI is powered up and displays the start screen, click the system setting button.

(Default System Password: 111111)
It is necessary to connect the HMI to your network through a RJ-45 cable.



6 EasyBuilder Pro Software Settings

Launch EasyBuilder Pro software, select your project file, press F7 shortcut key to open the download dialog box: Select Ethernet > IP tab > Enter your HMI IP > Click Download to download this project file to HMI.

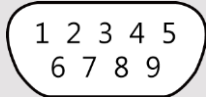
Using screensaver and backlight saver is recommended in order to avoid image persistence caused by displaying the same image on HMI for a long time.

(Please refer to EasyBuilder Pro User Manual for software operation details)

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]



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

8 Calibration Mode

Press and hold anywhere on the screen when HMI starts until it enters touchscreen calibration mode.

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 sure installing the unit.

Power The unit can be powered by controller DC systems. The switching power supply. The

Fusing Requirements If the display does not control prevent damage if the polarity and try to power up again.

High Voltage An Internal fuse will prevent voltage sources should provide

Emergency Stop A Hard-wired EMERGENCY Safety Recommendations

Supply Voltage Condition Do not power the unit and power supply. Note: The 2 power the unit.

Wire Routing

- Power wire length should
- Please use twisted pair matching.
- If wiring is to be exposed
- Keep AC, high energy
- Add a resistor and capacitor supply and the frame Typical values to use

DANGER

Hardware Considerations The system designer should create an unsafe condition equipment start-up, which If you use any program safety hazard exists and your particular application programmable control recommended in NEMA

Programming Considerations To conform with ICS Sa that all writable registers the program, with an out

Limited Warranty

This product is limited warranted against The proven defective product will be This warranty shall not cover any product

- Out of warranty period which is 12 months
- Damage caused by Force Majeure, accident
- Product has been repaired or taken apart
- Products whose identification markings