


### 1 Installation and Startup Guide

This document covers the installation of cMT-G05, 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:

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 units 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 61010-2-201 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 20
 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 unit on a stable surface during installation. Dropping it or letting it fall may cause damage.**

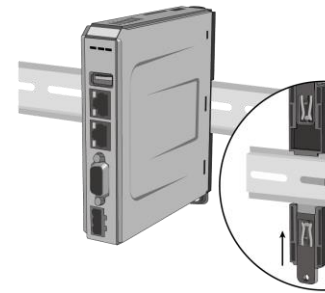
- (1) Installation Instruction, A4 double sided \*1
- (2) Power Connector \*1
- (3) cMT-G05 \*1

### 3 Installation Instructions

Rail mounting: DIN rail 35mm

Panel mounting: Use two M4 or #8 panhead screws, mounting hole size is 4.6mm

Plan for adequate space around the unit and inside the enclosure, for ventilation and cables. Consider the heat from other devices inside the enclosure. The ambient temperature around the unit must be -20 ~ 55°C



### 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.

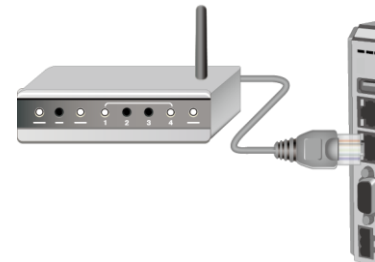
Spécifications du connecteur d'alimentation:  
AWG de fil: 24 ~ 12  
Température minimale du conducteur: 0°C  
Couple de vis: 4.5 lbf-in (max.)  
Conducteur en cuivre seulement

**NOTE: Connect positive DC line to the '+' terminal and connect negative DC line to the '-' terminal.**

### 5 System Settings

Connect cMT-G05 with a router using a LAN cable. Download window as shown in part 6

After connecting cMT-G05 successfully, go to the System Settings page, and then enter the IP address.



## 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 > HMI Name tab > Select your cMT-G05 > Click Download to download this project file to cMT-G05. (Please refer to EasyBuilder Pro User Manual for software operation details)



## 7 Communication Connection

**NOTE: COM2 and COM3 [RS485] support MPI 187.5K, please use one at a time.**

9 Pin, Male, D-sub  
COM1 [RS232]  
COM2 [RS485]  
COM3 [RS485]

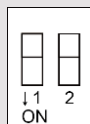
1 2 3 4 5  
6 7 8 9

PIN#	COM1 [RS-232]	COM2 [RS-485]		COM3 [RS-485] 2W
		2W	4W	
1				Data+
2	RxD			
3	TxD			
4				Data-
5	GND			
6		Data+	Rx+	
7		Data-	Rx-	
8			Tx+	
9			Tx-	

## 8 DIP SW Settings

Turn ON SW1 and power the unit again, the IP setting is restored to default:

Ethernet 1: DHCP  
Ethernet 2: 192.168.100.1



SW1	SW2	Mode
OFF	OFF	Normal Mode
<b>ON</b>	OFF	Restore Ethernet IP Settings
OFF	<b>ON</b>	Boot Loader Mode
<b>ON</b>	<b>ON</b>	Restore Factory Default

When restore factory default, the projects and data stored in the unit are all cleared.

## 9 Battery Replacement

Battery Specification: UL Certification Battery, Type CR1220, Rated 3V, Max. Abnormal Charging Current 10mA, Working Temperature: max. 70°C

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 s  
installing the un

Use power output th  
powered by DC po  
systems. The power  
supply. The peak sta

! Fusing Require-  
ments

If the Power LED do  
fuse will protect aga  
period of time. Chec

! High Voltage

A resettable fuse wi  
DC voltage sources

! Emergency Stop

A Hard-wired EMER  
ICS Safety Recomm

! Supply Voltage  
Condition

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

! Wire Routing

- Power wire lengt
- Please use twist  
impedance matc
- If wiring is to be  
devices.
- Keep AC, high e
- Add a resistor an  
supply and the f  
dissipation. Typi

### DANGER

! Hardware  
Considerations

The system design  
thereby create an  
interface can lead  
physical injury to the  
If you use any prog  
potential safety haza  
steps depend on yo  
installation of solid-  
installation of Contro

! Programming  
Considerations

To conform with ICS  
ensure that all writ  
checks built into the  
personnel.

### Limited Warranty

This product is limited warranted a  
defective product will either be repa  
shall not cover any product which i

- Out of warranty period which is 12 month
- Damage caused by Force Majeure, acci
- Product has been repaired or taken apar
- Products whose identification markings i