


1 Installation and Startup Guide

This document covers the installation of cMT-SVRX Series, 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"> (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. (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 20
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, 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-SVRX *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 0 ~ 50°C.

The aluminum flat-sheet at the back of the unit is a heat sink. Please be careful not to touch the heat sink since its heat can rise to 70°C in maximum when the unit is running. Planning for a 3cm space between the unit and other devices is recommended.



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.

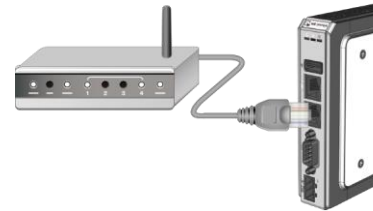
Spécifications du connecteur d'alimentation:
AWG de fil: 24 ~ 12
Température minimale du conducteur: 0°C
Couple de vis: 4.5 lbf-in (max.)
Conducteur en cuivre seulement

NOTE: Connect positive DC line to the '+' terminal.

5 System Settings

Connect cMT-SVRX with a router using a LAN cable.
Download window to find this cMT-SVRX.

After connecting cMT-SVRX successfully, access the login page, and then enter the default password.



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-SVRX > Click Download to download this project file to cMT-SVRX.

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



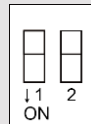
7 Communication Connection

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] 2W	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-	



SW1	SW2	Mode
OFF	OFF	Normal Mode
ON	OFF	Restore Ethernet IP Settings
OFF	ON	Update OS
ON	ON	Restore Factory Default

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

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

Pressing the Reset button can reboot the unit.

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

CAUTION

⚠ Power

NOTE: Make sure before installing the unit.

Use power output that is not powered by DC power supply systems. The power supply. The peak state.

⚠ Fusing Requirements

If the Power LED does not light, the fuse will protect against a short-circuit for a period of time. Check the fuse.

⚠ High Voltage

A resettable fuse will protect against high DC voltage sources.

⚠ Emergency Stop

A Hard-wired EMERGENCY STOP button is recommended by ICS Safety Recommendations.

⚠ Supply Voltage Condition

Do not power the unit with an unstable power supply. Note: Do not power the unit with a power supply that is not specified in the manual.

⚠ Wire Routing

- Power wire length should be as short as possible.
- Please use twisted pair wiring for impedance matching.
- If wiring is to be done in a bundle, separate power and signal wires.
- Keep AC, high voltage, and power supply wires away from signal wires.
- Add a resistor at the power supply and the fan to reduce power dissipation. Typical values are 100Ω and 100Ω.

DANGER

⚠ Hardware Considerations

The system design must be carefully reviewed to ensure that there are no conflicts that thereby create an unsafe condition. An unsafe interface can lead to physical injury to the user. If you use any program, please refer to the potential safety hazards. The steps depend on your system. Please refer to the installation of solid-state relays and the installation of Control Units.

⚠ Programming Considerations

To conform with ICS Safety Recommendations, ensure that all wiring is done according to the checks built into the unit by the manufacturer's personnel.

Limited Warranty

This product is limited warranted against defects. A defective product will either be repaired or replaced. We shall not cover any product which is:

- Out of warranty period which is 12 months.
- Damage caused by Force Majeure, accident, fire, flood, etc.
- Product has been repaired or taken apart by unauthorized personnel.
- Products whose identification markings are illegible or missing.