cMT-SVRX series

Installation Instruction

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	(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)
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-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 Tempe
Screw Torque: 4.5 lbf-in (max.)
Copper conduct only.

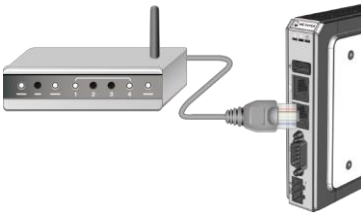
Spécifications du connecteur d'alin
AWG de fil: 24 ~ 12
Température minimale du conducte
Couple de vis: 4.5 lbf-in (max.)
Conducteur en cuivre seulement

NOTE: Connect positive DC lin ground to the '-' terminal.

5 System Settings

Connect cMT-SVRX with a router usin
Download window to find this cMT-SV

After connecting cMT-SVRX successfu
the System Settings page, and then en



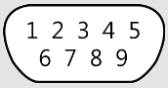
6 EasyBuilder Pro Software Settings

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.

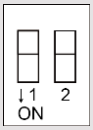
9 Pin, Male, D-sub
COM1 [RS232]
COM2 [RS485]
COM3 [RS485]



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-	

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.



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

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

NOTE: Make s
installing the un

Power	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 agai 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	a. Power wire leng b. Please use twist impedance mato c. If wiring is to be devices. d. Keep AC, high e e. Add a resistor ar supply and the fr 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 y installation of solid-s installation of Contro
Programming Considerations	To conform with ICS ensure that all writa checks built into the personnel.

Limited Warranty

This product is limited warranted ag
defective product will either be repa
shall not cover any product which is
(a) Out of warranty period which is 12 mont
(b) Damage caused by Force Majeure, acci
(c) Product has been repaired or taken apar
(d) Products whose identification markings