

SX-M4000 Main Controller for BAS

APPLICATION AND FEATURE

SX-M4000™ is the main controller for building automation system (BAS). It is use for data monitoring and system configuration with Building Automation System Management Software. It is flexible for complex system; SX-M4000 can interface with sub-system such as Lighting Control or Air Conditioner Control via RS-485 Communication by Protocol Modbus RTU with Wireless Communication optional board.

FEATURE

Stand Alone Operating while network failure

Monitoring and Setting Data

Support Protocol Modbus RTU (Client) and TCP (Server)

Wireless Comm. (433MHz and WiFi) Optional Board

APPLICATION

Building Automation System

Interface with SX-C160R (Contactor Controller)

USB and SD Card data logger

Schedule for system control with built-in timer on board.

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TECHNICAL SPECIFICATION

ITEM	SPECIFICATION
COMMUNICATION	
Client	Modbus RTU
	RS-485
	16 Slave
	Wireless Optional (433MHz / WiFi 2.4GHz)
Server	Modbus TCP
	TCP/IP
INTERFACE	
SX-C160R	RS-485 / Modbus RTU / 8 Board (max.)
Power Meter	RS-485 / Modbus RTU / 1Meter
DATA LOGGER	
USB	USB2.0 Type A
SD CARD	Micro SD with SD CARD Socket
Data Format	FAT32 / CSV File
FEATURE	
Digital Input	16 Channel (NPN)
Digital Output	16 Channel (Relay Contactor 5A/250VAC)
Alarm Status	SX-C160R and Digital output
User Interface	LCD 4x16 CHAR. with Key (optional: Touch Screen)
Clock	Real Time Clock with Battery Backup
POWER SUPPLY	
Voltage	SX-M4000 Board : 12VDC (Usage)
	Control Cabinet : 88VAC - 264VAC / 47-63Hz
Power Backup	Battery SLA 12VDC / 2.9Ah.
Switching Power Supply	LED Status
Enclosure	Metal Cage
Operating Temperature	0 to 60°C
Voltage Output	12VDC with LoadRegulation \leq 0.5%
Protection	Short Circuit / Over Temperature and Over Load Protection
Vibration Standard	IEC 60068-2-6
Safety Standard	UL62368-1, TUV BS EN/EN62368-1, BS EN/EN60335-1,
	BS EN/EN61558-1/-2-16, GB 4943.1