

SX-C160R Digital Output Contact Controller

APPLICATION AND FEATURE

SX-C160R™ is the digital Output module for Expands the control capabilities of your PLC or Controller that interface with RS-485 by Modbus RTU Protocol. It adds eight open collector (NPN) for control relay contactor both Latching and General Relay (configurable) to automated system. It is flexible to set schedule of SX-C160R with built-in RTC. It can communicate with Digital Temperature sensor SX-TMP125 for Temperature Control in Air Conditioner Controller.

FEATURE

Stand Alone Operating while network failure

Monitoring and Setting Data

Support Protocol Modbus RTU (Slave)

Wireless Comm. (433MHz and WiFi) Optional Board

APPLICATION

Building Automation System

Interface with SX-M000 (BAS Main Controller) or PLC

Event Alarm that Setting.

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

Digital Output Open Collector (NPN) with Relay control

SX-C160R Digital Output Contact Controller

TECHNICAL SPECIFICATION

ITEM	SPECIFICATION
COMMUNICATION	
Slave	Modbus RTU
	RS-485 (Ch.1)
	Wireless Optional (433MHz / WiFi 2.4GHz)
Master	Modbus RTU
	RS-485 (Ch.2)
INTERFACE	
SX-M4000	RS-485 (Ch.1) / Modbus RTU / (Slave Mode)
SX-TMP125	RS-485 (Ch.2) / Modbus RTU / 4 Sensor (Master Mode)
Power Meter	RS-485 (Ch.2) / Modbus RTU / 1 Meter (Master Mode)
Data Logger	Record by SX-M4000 (CSV File)
FEATURE	
Digital Output Circuit	16 Channel Open Collector (NPN)
Digital Output Relay	Latchign Relay 8 Ch. / General Relay 16 Ch.
Schedule of Output Control	6 Time Slot per Output Channel
Alarm Status	Data Event in Modbus Register
Temperature Status (Default)	Monitoring / Alarm (Fault, High and Low)
Current Status (Optional)	Monitoring / Alarm (Fault, High and Low)
User Interface	LCD 4x16 CHAR. with Key (optional: Touch Screen)
Clock	Synchronize with SX-M4000
System Mode	Auto / Manual / Stop
RELAY CONTACTOR	
Contact rated	> 10A (230VAC / 24VDC)
Air Conditioner Control	Support
Lighting Controller	Support / Dimmable Lighting (Optional)
Fan Control	Support
POWER SUPPLY	
Voltage	12VDC
Current Consumption	300mA (max - while relay control)
Protection	Fuse Link 2A/250VAC