

ecoSYS Site Supervisor Overview

Education You Can Build On



Presented By:

(Instructor Name)



Housekeeping

- Smile Card
- No Smoking
- Class Length
- Portable Phones and Beepers
- Rest Rooms
- Fire Safety



Course Reference Materials

- Participant Manual
- *ecoSYS Site Supervisor Controller User Guide*
- *ecoSYS Site Supervisor Quick Setup Guide*

Course Agenda

- ecoSYS Site Supervisor Introduction
- Key Benefits for End Users
- Key Features
- ecoSYS Components
- Installation
- Questions and Additional Resources

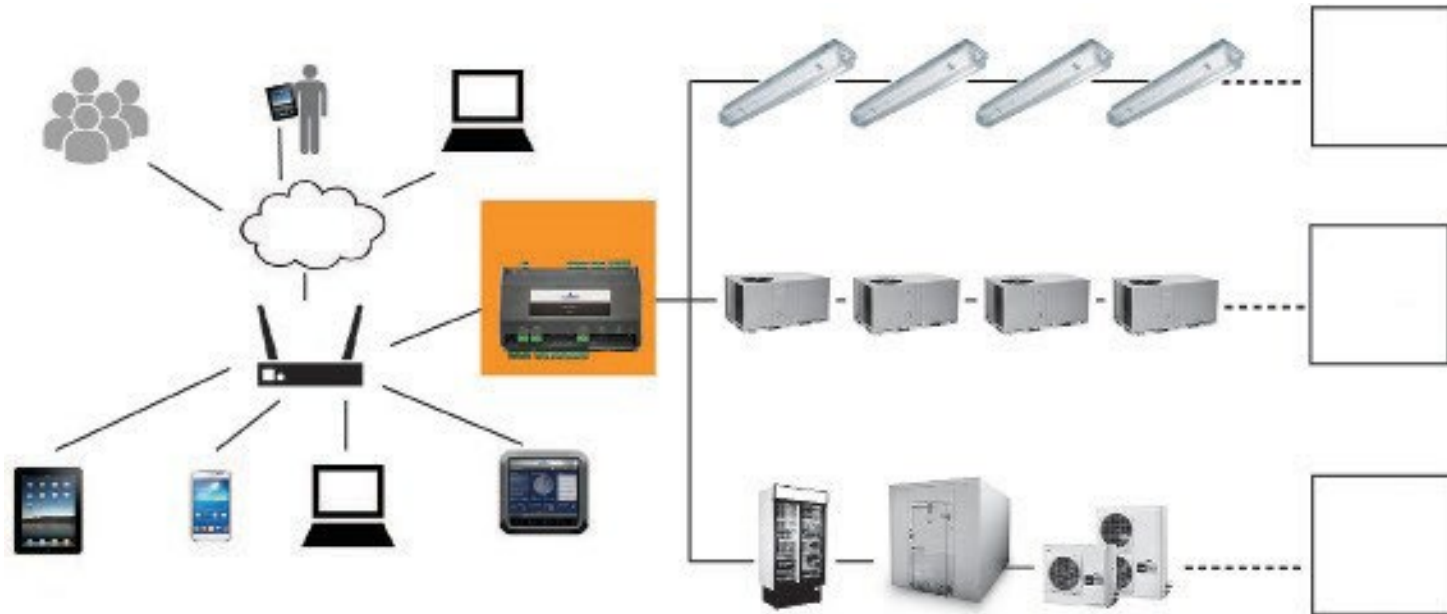
Introduction: ecoSYS Site Supervisor

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Introduction – ecoSYS Family

- Facility management controls platform that allows retailers to economically optimize control and management of HVAC, refrigeration, lighting, and cooking equipment.
- When combined with ProAct Services, ecoSYS gives retailers the ability to reach new levels of efficient site management.



Introduction – Site Supervisor

- Complete facility control and monitoring system
- Designed specifically for convenience stores, restaurants, small format retailers



Introduction – Site Supervisor

- Combines energy management with facility system monitoring
- Provides:
 - HVAC control
 - Refrigeration system monitoring and control
 - Lighting control



Introduction – Site Supervisor

- Easily connects to ProAct Services for 24/7/365 remote monitoring
- Provides alerts when there are issues that need attention





Key Benefits

- Enhances store and product image with controlled environment
- Automates food quality tracking
- Simplifies facility and chain management with automated alerts to smartphone, tablet, or directly to ProAct

Key Benefits

- Reduces energy consumption; drives savings
- Installs economically
- Uses existing store PC/smartphone
- Avoids unauthorized access through enhanced user management



PHOTO: SHU

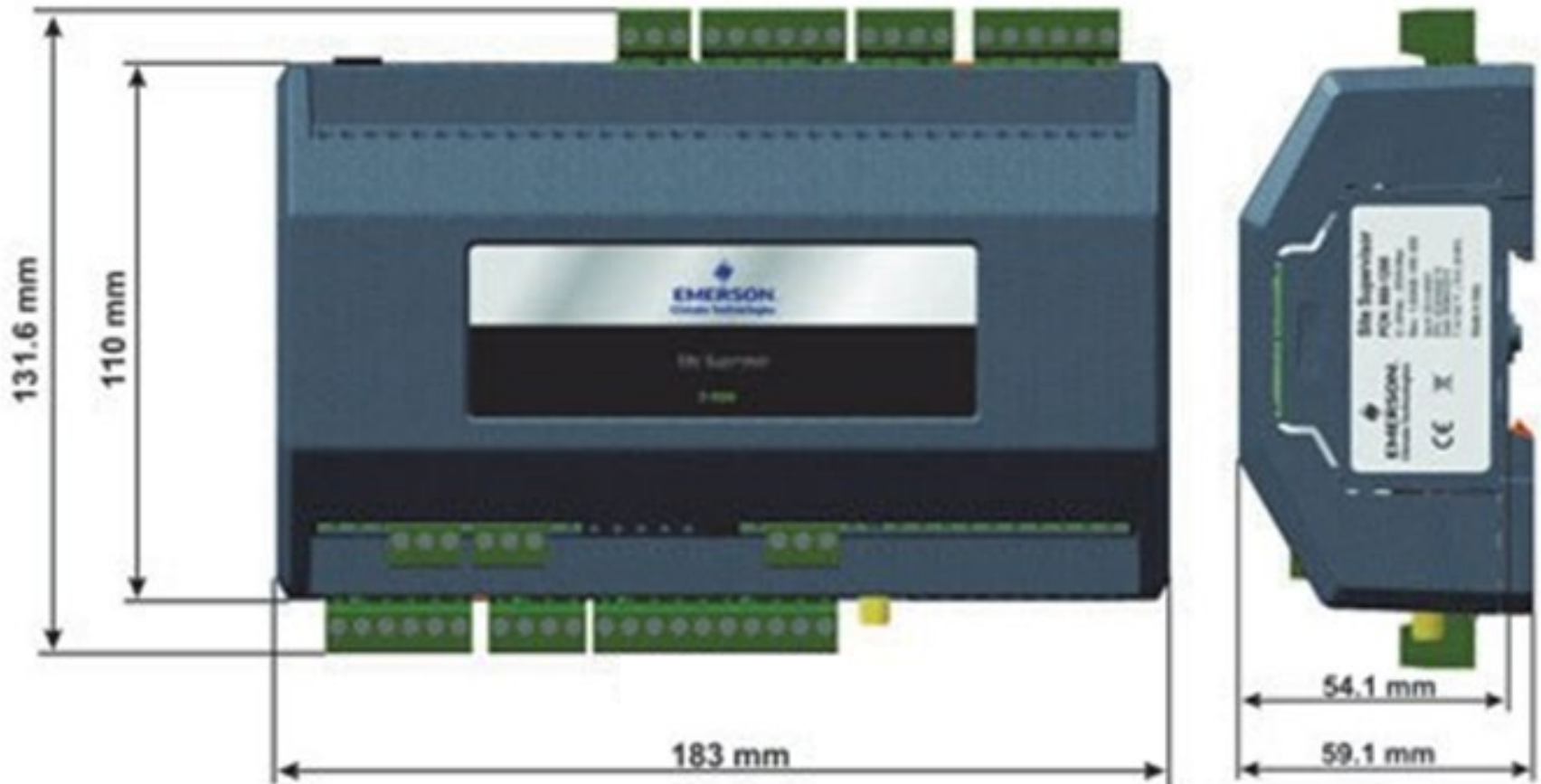
ecoSYS Components

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Hardware Overview

- Site Supervisor Dimensions
- DIN Rail mounting compatible



Hardware Overview

- Technical Specifications

Operating Temperature	14°F to 140°F (-10°C to 60°C)
Relative Humidity	20 – 85%
Rating	UL 94 V-0
Dimensions	103.7 x 34.7mm
24 VAC	20VA required

CANBus	Expansion Module Connections
RS485A	MODBUS Serial Port A
RS485B	MODBUS Serial Port B
Ethernet	0
Ethernet	1



Software Overview

- Analog Sensor Control
- Digital Sensor Control
- Lighting Control
- Global Data
- HVAC Control
- Time Schedule Application
- Demand Control
- Onboard I/O



Software Overview

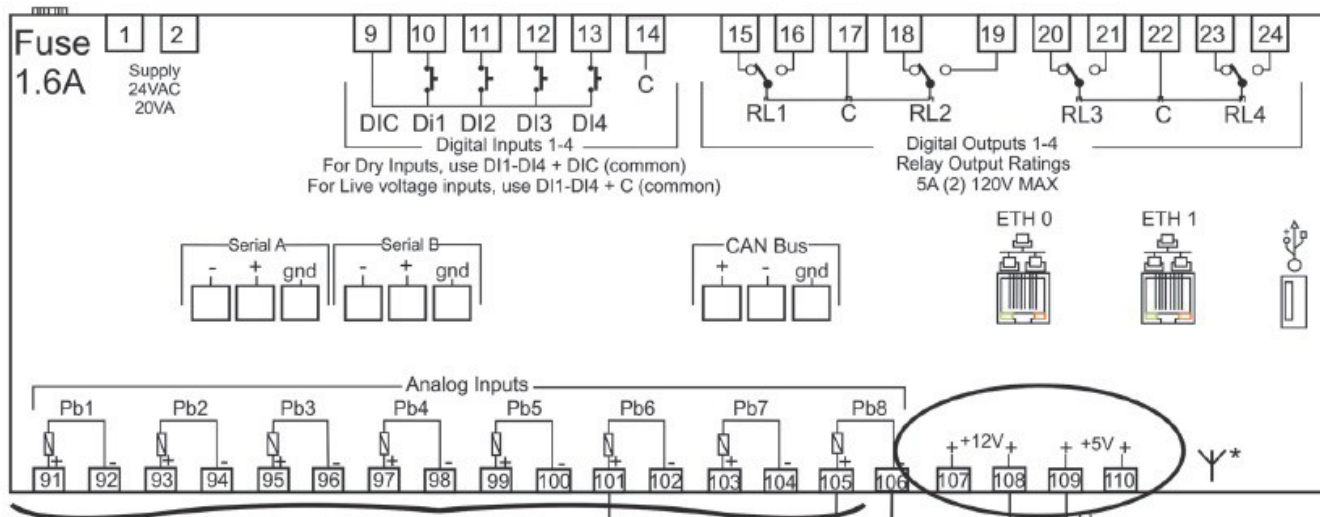
- XR75CX
- CC T-Stat (Light commercial communicating thermostat)
- Energy Meter
- IPX 6 Relay
- IPX 15 Relay
- IPX 25 Relay
- Site Manager Compatibility

Installation of ecoSYS Site Supervisor

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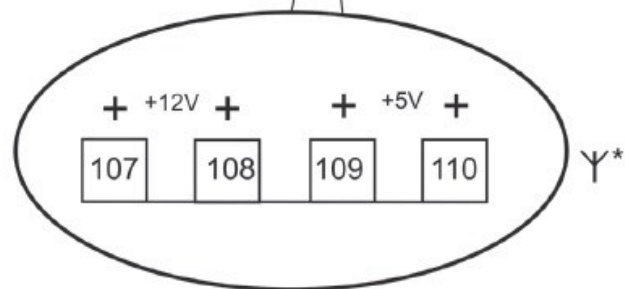
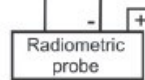


Wiring Diagram



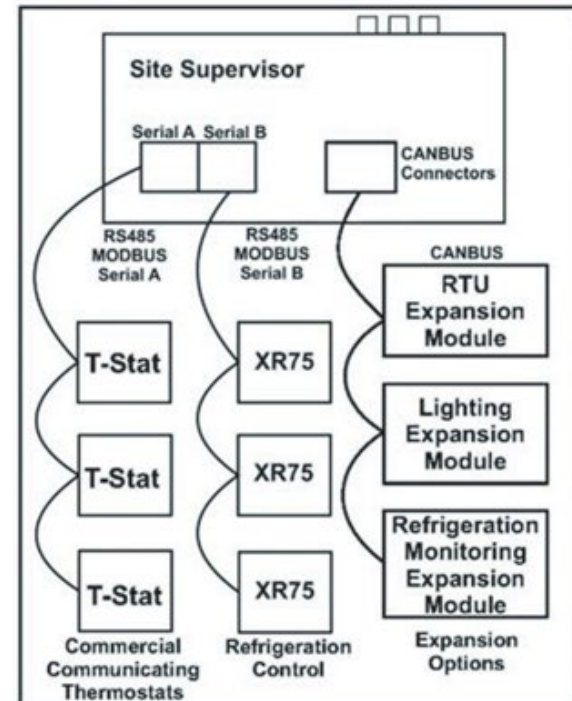
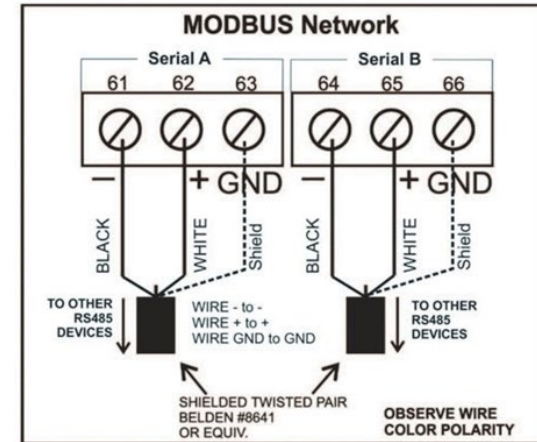
One of the odd numbered terminals 91, 93, 95, 97, 99, 101, 103, 105 must be used as the transducer input when connecting powered transducers to the Site Supervisor (see the numbered analog inputs)

Y*Modem Ant. not supported



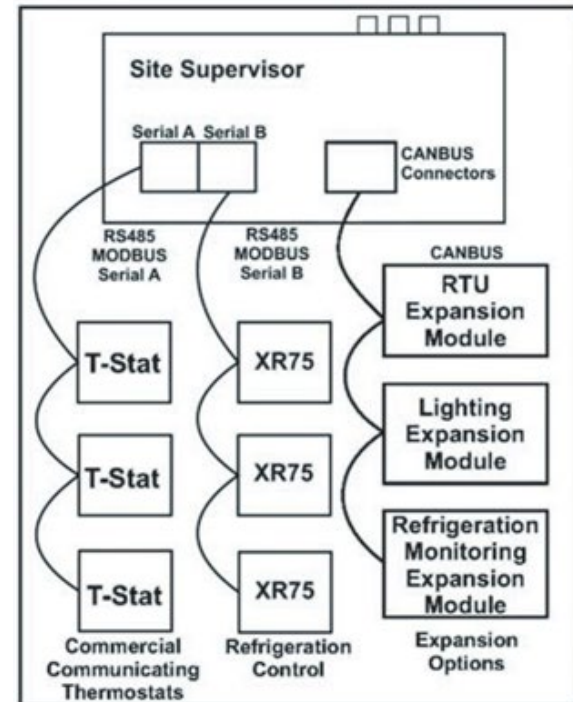
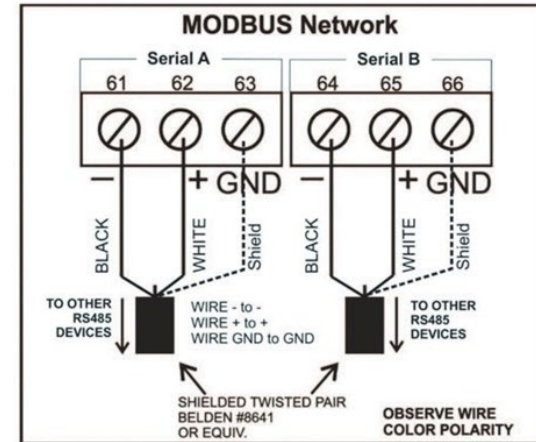
Installation

- Connect the I/O or MODBUS Network to one or both of the Site Supervisor Serial A/B Ports.
- Maximum of 16 devices can be wired to each network port. Wire + to + and - to - observing the wire color polarity. Connect the shield wire to the GND terminal. DO NOT connect the GND terminal to earth ground.



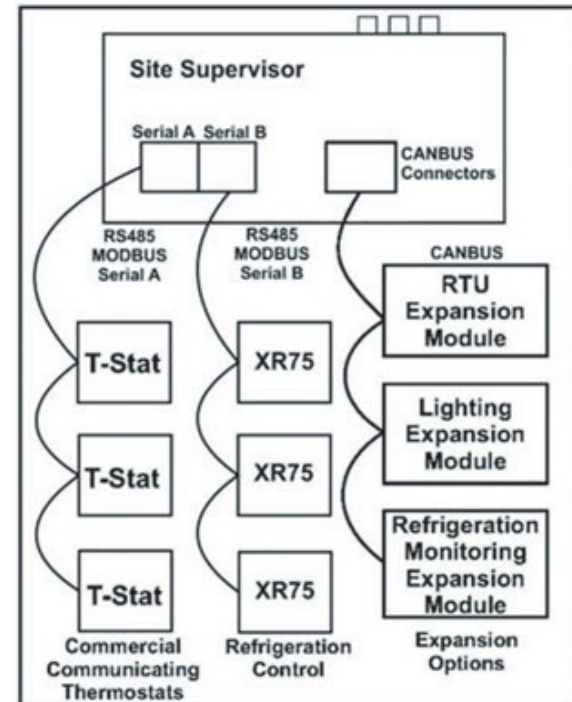
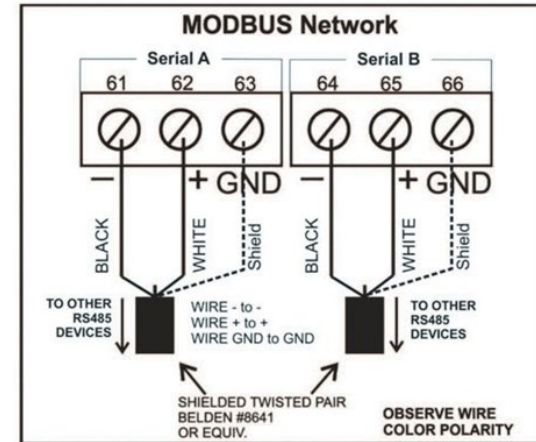
Installation

- Daisy chain configurations: set the jumper for termination on the applicable Serial port (for 150 ohm loads) for the first and last devices on the network. For low-speed communication (19200 or 9600 baud rates) no termination is necessary.



Installation

- Only the device on the network can be biased - the BIASL and BIASH jumpers must be closed on one device on the network (either the Site Supervisor or another device on the same network).
- Connect 24VAC to the power terminals and cycle power.



Configure Network Connection

- The Site Supervisor comes with preset default network settings. These will need to be changed to connect to your Local Area Network.

