

# YCCS System Manager (SM)

YK-SMU200-0, YK-SMU210-0

## Description

The System Manager (SM) brings an entirely new generation of Building Automation System (BAS) technology to light commercial systems. The SM is a building level controller that manages facilities using information and Internet technology. As a key component of the York Commercial Comfort System (YCCS), the SM communicates with York 3 through 65 Ton Roof Top Units (RTU's).

The SM supports a comprehensive set of supervisory features and functions for small commercial facilities. A single SM within a building provides monitoring and control, alarm, trending, management, scheduling, and simple data storage.

The SM has an embedded color touchscreen user interface and also supports connected Web browsers for remote monitoring. The SM provides provisions for e-mail alarm messages through the onboard Ethernet connection or optional modem. Refer to the *York Commercial Comfort System (YCCS) Technical Guide (428515)* for additional product information.

## Features

- Color touchscreen user interface
- Remote browser based user interface
- Supervision of Johnson Controls equipment controller networks
- Multiple connection options for data access via a standard Ethernet Transmission Control Protocol/Internet Protocol (TCP/IP) or serial interface with optional modem

## Applications

The SM software is specifically designed to meet the needs of building owners and managers to efficiently monitor and control all the mechanical and electrical systems in a typical building such as:

- York 3 through 65 Ton RTU's
- Zoning systems using the Zone Coordinator (ZC)
- Auxiliary points using the Input/Output Module (IOM)
- Roof top units using the Universal Roof Top Unit (RTU) controller

The SM monitors equipment by coordinating the required commands and sending them to the equipment at the required priority.



System Manager

## Repair Information

If the SM fails to operate within its specifications, contact your local Source 1 representative for a replacement unit.

## Selection Charts

### System Manager (SM)

Product Code Number	Description
YK-SMU200-0	System Manager with color touchscreen user interface and Ethernet port for Web browser access
YK-SMU210-0	System Manager with color touchscreen user interface and Ethernet port for Web browser access, and optional internal modem

## Accessories

Product Code Number	Description
Y65T42-0	Transformer, 120/208/240 VAC primary to 24 VAC secondary, 40 VA hub mount, Class 2

## YCCS System Manager (SM) (Continued)

### Technical Specifications

System Manager (SM)	
<b>Product Code Number</b>	York Commercial Comfort System (YCCS): <b>System Manager</b> YK-SMU200-0 (without modem) YK-SMU210-0 (with modem)
<b>Power Supply Requirement</b>	Dedicated nominal 24 VAC, Class 2 power supply (North America) at 50/60 Hz (20 VAC minimum)
<b>Power Consumption</b>	20-30 VAC @ 10 VA
<b>Ambient Operating Conditions</b>	Ambient Operating Temperature: -40 to 70°C (-40 to 158°F), 5 to 95% RH Ambient Storage Temperature: -40 to 85°C (-40 to 185°F), 10 to 90% RH
<b>Processor</b>	192 MHz Renesas™ SH4 7760 RISC processor
<b>Memory</b>	128 MB Flash nonvolatile memory for operating system, configuration data, and operations data storage and backup 128 MB Synchronous Dynamic Random Access Memory (SDRAM) for operations data dynamic memory
<b>Housing</b>	Plastic housing material: ABS + polycarbonate UL94-5VB Protection: IP20 (IEC 60529)
<b>Mounting</b>	With screws on flat surface or four square box
<b>Dimensions (Height x Width x Depth)</b>	250 x 190 x 60 mm (9.8 x 7.5 x 2.4 in.)
<b>Shipping Weight</b>	approximately 1.97 lb
<b>Compliance</b>	<p><b>United States</b> UL Listed, File E107041, CCN PAZX, UL 916 FCC Compliant to CFR47, Part 15, Subpart B, Class A</p> <p><b>Canada</b> UL Listed, File E107041, CCN PAZX7, CAN/CSA C22.2 No. 205, Signal Equipment Industry Canada Compliant, ICES-003</p> <p><b>Europe</b> CE Mark, EMC Directive 89/336/EEC, in accordance with EN 61000-6-4 (2001) Generic Emission Standard for Heavy Industrial and EN 61000-6-2 (2001) Generic Immunity Standard for Heavy Industrial Environment</p> <p><b>Australia and New Zealand</b> C-Tick Mark, Australia/NZ Emissions Compliant</p>

Subject to change without notice. Printed in U.S.A.  
Copyright © 2008 by Johnson Controls, Inc. All rights reserved.

428520-YSD-A-0808  
Ref: LIT-1900515

**Johnson Controls Unitary Products**  
5005 York Drive  
Norman, OK 73069