

# YCCS Zone Coordinator (ZC)

YK-ZCUxx0-0

## Description

The Zone Coordinator (ZC) brings an entirely new generation of Building Automation System (BAS) technology to light commercial systems. This system level controller manages Heating, Ventilating, and Air Conditioning (HVAC) zoning systems in smaller facilities using information and Internet technology. As a key component of the York Commercial Comfort System (YCCS), the ZC communicates with York Controls terminal devices such as YCCS zone and bypass damper assemblies; YCCS VAV terminal units; and York 3 through 65 Ton Roof Top Units (RTU's).

The ZC supports a comprehensive set of supervisory features and functions for small commercial facilities. A single ZC within a building provides monitoring and control, alarm, trending, management, scheduling, and simple data storage for a zoning system. In facilities with multiple zoning systems, multiple zone coordinators can networked with a System Manager (SM) to provide coordinated BAS functions.

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

## Features

- Optional color touchscreen user interface for stand-alone zoning systems
- Remote browser based user interface
- Supervision and control of York RTU's and YCCS terminal devices
- Multiple connection options for data access via a standard Ethernet Transmission Control Protocol/Internet Protocol (TCP/IP) or serial interface with optional modem

## Roof Top Applications

The ZC 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
- YCCS zone and bypass damper assemblies



Zone Coordinator

The ZC monitors zone heating and cooling demand by collecting data from the zone terminal devices. The ZC then determines the mode of operation for the RTU and commands it appropriately.

## Repair Information

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

## Selection Charts

### Zone Coordinator (ZC)

Product Code Number	Description
YK-ZCU100-0	Zone Coordinator without Liquid Crystal Display (LCD), Changeover/Bypass (COBP)
YK-ZCU110-0	Zone Coordinator without LCD, COBP, with optional modem
YK-ZCU200-0	Zone Coordinator with LCD, COBP
YK-ZCU210-0	Zone Coordinator with LCD, COBP, with optional 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 Zone Coordinator (ZC) (Continued)

### Technical Specifications

Zone Coordinator (ZC)	
<b>Product Code Numbers</b>	York Commercial Comfort System (YCCS): <b>Zone Coordinator</b> YK-ZCU100-0 (without modem and LCD) YK-ZCU110-0 (with modem, without LCD) YK-ZCU200-0 (without modem, with LCD) YK-ZCU210-0 (with modem and LCD)
<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>	-40 to 70°C (-40 to 158°F); 5 to 95% RH
<b>Ambient Storage Conditions</b>	-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>European Union</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>

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