



QD2020ie

Site Communication Center



Description

The QD2020ie Site Communication Center is designed to monitor and control a network of up to 255 S-Series thermostats and/or controllers in conjunction with Ubiquity client/server software. The QD2020ie maintains a continuous connection with Ubiquity over an ethernet using standard TCP/IP protocol. Together they trend and alarm data, generate reports, and monitor the controller network. The QD2020ie also has a fallback state to continue to trend and alarm in the event of a lost connection with the Ubiquity server.

The QD2020ie features:

- Stores up to 5,000 trend events and 400 alarms in memory
- Monitors and trends all points in a controller network
- Alarms exceeding analog limit, loss of network communication and change of state for digital input
- Supports sequenced alarms where two conditions must occur in sequence before an alarm is recognized
- Fallback mode which provides notification via email in alarm situations
- Monitors up to 255 thermostats/controllers
- Fallback support for 64 thermostats/controllers
- Outdoor air sharing
- Integrated 10 Base-T ethernet connection and RS485 network converter
- Functions as time clock for central occupancy schedule
- Four 365-day time clocks with two holiday schedules with automatic leap year and daylight savings correction
- Remotely upgradeable firmware
- No battery backup required
- Eight status LEDs

Specifications

General

Programming: Ubiquity software communicating over an Ethernet

Communications: RS485, half duplex

Memory backup: Non-volatile EEPROM, no battery required

Trend storage: Up to 5000 events

Alarm Storage: Up to 400 alarms

Maximum monitor points: All points in a network of up to 255 controllers

Program Settings: 4 Schedules with two events per day with 7 days per week and two holiday schedules (12 periods of up to 99 days each)

Environmental

Operating temperature: 32 to 131°F (0 to 55°C)

Operating humidity: 0 to 100% RH, non-condensing

Storage temperature: 14 to 140°F (-10 to 60°C)

Electrical

Supply voltage: 120 VAC @ 60 Hz to 24 VAC <600 mA power supply module, included

Power Consumption: 6 VA max

Specifications subject to change without notice.

Specification Suggestions

Site communication centers shall be microprocessor-based, suitable to perform remote monitoring and alarming functions. Site communication centers shall be of the low voltage type.

Site communication centers shall be programmed using browser based software over an ethernet. Site communication centers shall support the downloading of alarm and trend data to an intranet server. Alarms shall be kept in non-volatile memory. Site communication centers shall be capable of providing notification via email or to browser software on alarm. Site communication centers shall be capable of notification via email or to browser software in the case of loss of power through the use of an uninterruptible power supply (UPS).

Site communication centers must support non-volatile memory, so that in the event of power loss, all programmed operating parameters shall be unaffected without the use of battery backup. All control functions shall continue in the event of a communications failure.

Site communication centers shall provide both remote and local communications in accordance with EIA RS485 standards. Site communication centers shall send and receive encrypted data over an ethernet connection. Site communication centers shall be model QD2020ie as manufactured by TCS/Basys Controls.

Ordering Information

Part #	Description
QD2020ie	Site communication center; ethernet connection

Dimensions

Note: inches [mm]

QD2020ie

