



Building Management System



<http://www...>
WEB browser for status and configuration.

Improve the bottom line with Quest's intelligent, efficient, & cost-effective Energy Management Solutions



The Q3™ provides an integrated solution to monitor and control all critical operating equipment and access control functions in a building environment:

- Performs controlling, monitoring, and communication functions in a single cost-effective product.
- Compact, versatile package operates with a standard control program or can be customized to meet your requirements.
- Enables interrogation of the facility from any alarm and/or maintenance center.
- Complete lighting, HVAC, refrigeration control, and card access control.

Acting as your smart eyes and ears at the facility, the Q3™ delivers large savings and quick payback by:

- Reducing service/maintenance visits to the facility.
- Eliminating downtime by acting as an early warning system.
- Reducing capital expenditures by replacing multiple devices to accomplish the same task.
- Extending life of critical operating equipment.
- Reducing KWH consumption.
- Control KW to reduce peak demand costs.

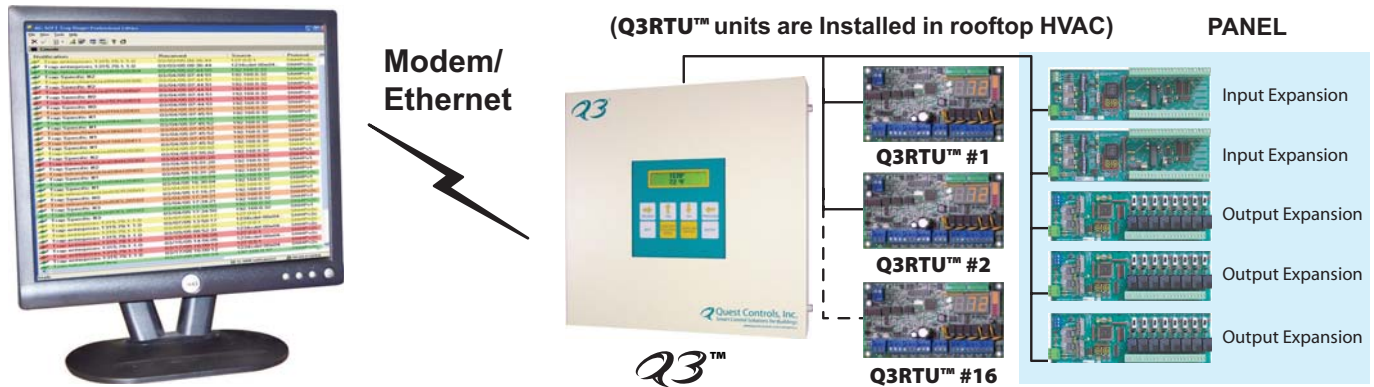


Complete monitoring & control of your building's functions in one system.

Typical Applications:
Fast Food Outlets • Restaurants
Convenience Stores • Drug/HB Chains
Apparel Specialty • Office Products
Discount Department Stores
Home Center/Hardware • Pet Supplies

Features

- Expandable to 64 universal inputs, 64 digital outputs and 10 analog outputs plus 16 stand alone RTU controllers.
- Controls multiple air conditioning units for fan, cooling, heat, and economizer through optional Intelligent Roof Top Unit Stand Alone Controllers.
- Card access control supports up to 4 doors of access control.
- Optional TCP/IP Ethernet 10BaseT connectivity.
- Web browser for status and configuration.
- Versatile programming enables custom configurations to meet specific applications.
- Non-volatile FLASH memory prevents program loss and stores program uploads.
- Supports industry standard dial-up modem enabling remote interrogation and program changes.
- Built-in RS-232 communications port for on-site monitoring and programming.
- Built-in LCD display and keypad for system status and setpoint changes.



Remote or In-house Communications Specifications

*Up to 16 Q3RTU™ units can be networked to a Q3™ system

Part Number	150435
Inputs	16 universal inputs expandable to 64 in 16 input increments, (order part# 150574) Analog (0-5VDC or 0-20mA) or dry contact closures
Outputs - Digital Contact Rating	16 digital outputs expandable to 64 in 8 output increments, (order part# 150573) 60VDC, 0.3 amps
Outputs - Analog	2 on-board, expandable to 10 analog outputs (order part# 150592), 0-10VDC or 0-20/4-20mA
Network	RS-485 communications bus for communicating with up to 16 RTU controllers and expansion modules
Card Access	Supports industry standard Wiegand format, proximity or card swipe readers Up to 600 cards can be programmed per site. Logs 800 most recent events
Power	24V AC or DC@0.5 amps
Front Panel	Built-in programming panel with 8 keys and a 32-character backlit LCD Display
Modem	Supports industry standard Modems (V.90, V.34) with error correction & data compression
Serial Port	DB-9 RS-232 port. Supports asynchronous communications. Programmable for speed, parity, & bit format
Network Interface (option)	
LAN	Ethernet 10baseT (order part# 300165Q) with RJ-45 connector
Protocols Supported	TCP/IP, Telnet, DHCP, HTTP, SMTP, SNMP v1, v2c Traps
Logging	Logs all inputs, outputs, and alarms, up to 16,000 points
Software	Supports any off-the-shelf terminal communication software (e.g. Procomm®, HyperTerminal®) or Web browser (e.g. Internet Explorer® 6+, Firefox® 1.5+)
I/O Terminals	2 piece pull-off terminals for all field wiring
Battery	Long life lithium: 10 year shelf life, 1.5 years under load
Temp/Humidity	
Sensor Accuracy	Temp: ±1°F(±0.5°C), Humidity: ±2% of range. Temperature & Humidity sensors (optional)
Ambient Operating Temp	-20 to 180°F (-29 to 82°C), 0-95% RH Non-condensing
Certification	UL, CE
Dimensions	11"W x 11"H x 2"D (279mmW x 279mmH x 51mmD)
Weight	4.5 lbs (2.0 kg)
Warranty	One year



Specifications subject to change without notice

 **Quest Controls, Inc.**
Smart Control Solutions for Buildings

www.questcontrols.com

208 9th Street Drive West, Palmetto, FL 34221 • Tel: (941) 729-4799 • Fax: (941) 729-5480

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