

TELSEC® ESB2/ESB2x Upgrade Kit

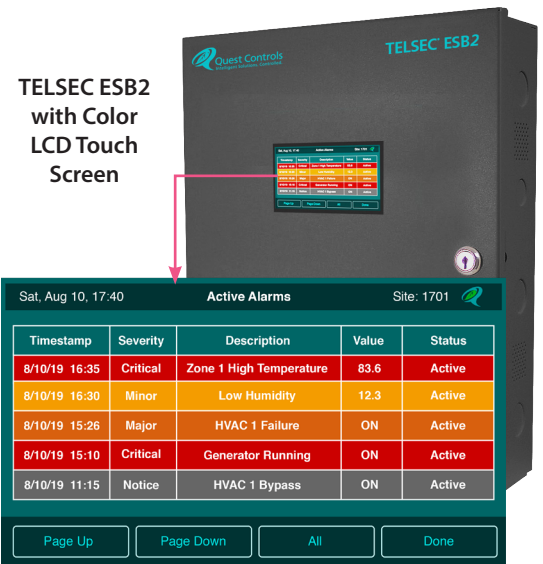
for Monitoring, Control & Building Management of Remote Sites

The ESB2 upgrade kit is designed to upgrade an existing ESB or ESBx system to the ESB2 without having to remove panels or rewire all of the monitoring and control points. Update your existing system to provide secure communications and robust advanced functionality in less than an hour. The ESB2 upgrade includes the color touch screen, processor board with 10/100Mb Ethernet and serial ports for Modbus and the IO board with matching connectors to the ESB. The ESB2 supports dual (A&B) DC power feed and has a separate power terminal to conveniently provide power to the expansion boards in the ESBx enclosure.

The TELSEC® ESB2 provides an integrated surveillance solution to monitor and control all environmental and equipment alarming:

- Performs all controlling, monitoring, and communication functions in a single product.
- SNMP, embedded Web Server, with secure encrypted protocols.
- Uses Quest's patented economizer control algorithm to dynamically adjust settings to optimize the use of outside air for cooling.
- Operates with a standard control program or can be customized to meet your requirements.
- Enables interrogation of remote sites from any alarm and/or maintenance center.
- UL and CE listed. Mountable in customized UL approved Panel Enclosures.

TELSEC ESB Upgraded to TELSEC ESB2



Specifications	
Part Number	151083
Mounting	Board set replaces the ESB boards in the same wall mounted enclosure.
Inputs	16 universal inputs expandable to 272 in 16 input increments, Analog (0-5 VDC or 0-20 mA) or dry contact closures (order part# 130455)
Outputs - Digital	16 digital outputs expandable to 144 in 8 output increments. (order part# 130454)
Contact Rating	(16) Form A, 1 amp at 30 VDC, 0.3 amps at 60 VDC, 0.5 amps at 125 VAC, (order part# 130454) (8) Form C, 10 amps at 28 VDC, 8.5 amps at 120 VAC
Outputs - Analog Optional	2 on-board, expandable to 66 in 4 analog output increments, 0-10 VDC or 0-20/4-20 mA (order part# 130456)
HVAC Control	16 standalone HVAC Controllers can be networked to the system. Order part# 150966-5
Power	24 VAC/20-60 VDC, current draw 0.5 amps at 24 VDC
Front Panel	Color Touch Screen LCD 4.3" diagonal with 24-bit TrueColor. WQVGA resolution (480 x 272)
Serial Network Options Supported	Three RS485 ports Modbus RTU & Quest expansion modules
Network Interface (option) LAN Protocols Supported	Ethernet 10/100BaseT with RJ45 connector IPv6, IPv4, HTTP, HTTPS, RADIUS Password Authentication, NTP, SMTP (email), SSHv2, Telnet, SNMP v1, v2c and v3 for Gets, Sets and traps/informs
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 sensor (standard)
Ambient Operating Temp	-20 to 180°F (-29 to 82°C), 0-95% RH Non-condensing
Certification	UL, CE
Weight	5 lb (2.3 kg)
Warranty	1 year

For use under U.S. Patent No. U.S. 10,267,529 B2 when component is part of a patented combination
Specifications subject to change without notice



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