

# TELSEC® ESB

for Monitoring, Control & Building Management of Remote Sites



ENVIRONMENTAL ALARM  
MONITORING & CONTROL



INTELLIGENT LEAD/LAG HVAC  
MONITORING & CONTROL



DOOR ACCESS CONTROL  
& INTRUSION ALARMING



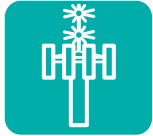
GENERATOR & ATS  
MONITORING



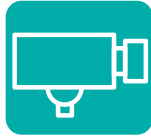
AC/DC POWER &  
UPS MONITORING



TELEPHONY  
EQUIPMENT MONITORING



TOWER LIGHT  
MONITORING



VIDEO CAMERA  
MONITORING



TELSEC® ESB with Web browser  
for status & configuration

<http://www...>



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

- Performs all controlling, monitoring, and communication functions in a single product.
- Install in CEVs, CUEs and Cabinets.
- Install in COs and Data/Computer Centers.
- SNMP, embedded Web Server, and Email Alarm Messaging.
- Compact, versatile package operates with a standard control program or can be customized to meet your requirements.
- Enables remote interrogation of remote sites from any alarm and/or maintenance center.
- UL Listed, and CE, mountable in customized UL approved Panel Enclosures.

Acting as your smart eyes and ears, the TELSEC® delivers large savings and quick payback by:

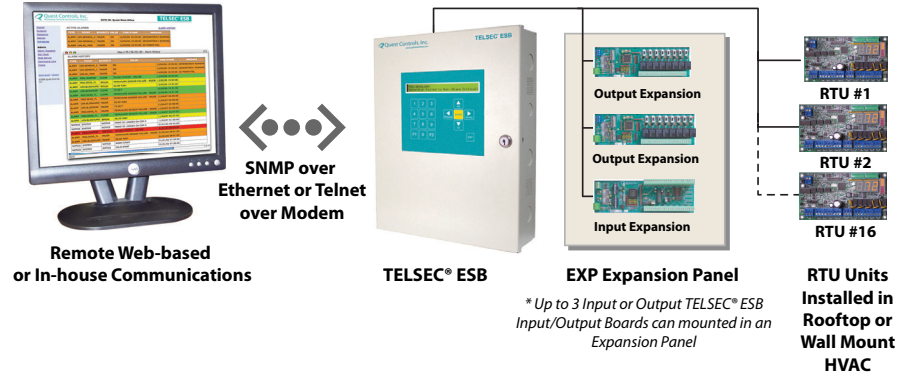
- Reducing energy costs via intelligent HVAC lead/lag control strategies.
- Reducing visits to remote sites.
- Eliminating downtime by acting as an early warning system.
- Reducing capital expenditures by replacing multiple devices to accomplish the same task.
- Extending life of critical operating equipment including air conditioners, generators and power equipment.
- Providing remote visibility and 2-way communications.



## TELSEC® ESB Features:

- TCP/IP over Ethernet Connectivity. Supports SNMP v1, SNMP v2c.
- Expandable to 64 universal inputs, 64 digital outputs and 10 analog outputs plus 16 stand alone RTU HVAC controllers.
- Controls multiple air conditioning units for fan, cooling, heat, and economizer through optional Intelligent Roof Top Unit Stand Alone Controllers.
- Non-volatile FLASH memory prevents program loss & stores program upgrades.
- Monitors all environmental alarms: temperature, humidity, fire/smoke, toxic and combustible gas, high water.
- Built-in RS-232 communications port for on-site monitoring and programming.
- 5 password levels, up to 20 passwords.
- Built-in 2 line, 40 character LCD display and 18 button keypad for system status and setpoint changes.
- Card access control of up to 4 doors with 600 cards per system, logging last 800 entries plus Intrusion Monitoring.
- Caller ID modem support ensures secure modem connection.

**SNMP Alarm Management**  
**Web Browser for Status & Configuration**  
**Email Alarm Messaging**  
**UL Approved Panel Configuration**  
**1 Year Warranty**



Specifications	TELSEC® ESB	EXP Expansion Panel	UIB Board	DOB Board	AOB Board	RTU
Part Number	150770	150775 120 VAC 150776 20 to 72 VDC	150155	150154	150156	150440
Mounting	Wall mount					
Inputs	16 universal inputs expandable to 64 in 16 input increments, Analog (0-5 VDC or 0-20 mA) or dry contact closures (order part# 150155)					
Outputs - Digital	16 digital outputs expandable to 64 in 8 output increments, (order part# 150154)					
Contact Rating	(16) Form A, 1 amp at 30 VDC, 0.3 amps at 60 VDC, 0.5 amps at 125 VAC, (order part# 150154) (8) Form C, 10 amps at 28 VDC, 8.5amps at 120 VAC					
Outputs - Analog Optional	2 on-board, expandable to 10 analog outputs, 0-10 VDC or 0-20/4-20 mA (order part# 150156)					
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/DC@0.5 amp					
Front Panel	Built-in programming panel with 18 keys and an 80-character backlit LCD Display					
Modem (with Caller ID)	56K modem with Caller ID. Up to 24 phone numbers can be programmed to limit access to the system. Note: Caller ID service must be present on the phone line					
Serial Port	DB-9 RS-232 port. Supports asynchronous communications. Programmable for speed, parity, & bit format					
Network Interface (option) LAN Protocols Supported	Ethernet 10BaseT with RJ45 connector Built-in Web Server, Telnet, HTTP, SMTP (Email), SNMP v1, v2c, Traps/Informs					
Logging	Logs all inputs, outputs (up to 10,000 points ) and alarms (last 99)					
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 sensor optional (order part# 150749 separately)					
Ambient Operating Temp	-20 to 180°F (-29 to 82°C), 0-95% RH Non-condensing					
Certification	UL, CE					
Dimensions	12.25"W x 15.25"H x 3.92"D (311mmW x 387mmH x 92mmD)					
Weight	14 lb. (6.4 kg)					
Warranty	1 year					

Specifications subject to change without notice



**Quest Controls, Inc.**  
 Monitoring, Control & Test Solutions for Telecom  
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