

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**



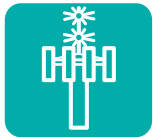
**GENERATOR & ATS
MONITORING**



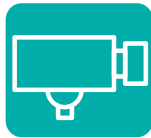
**AC/DC POWER &
UPS MONITORING**



**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 128 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.
- 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.

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



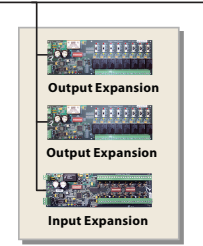
Remote Web-based
or In-house Communications



HTTP, SNMP
and Telnet
over Ethernet

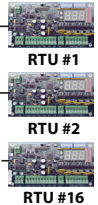


TELSEC® ESB



EXP Expansion Panel

* Up to 3 Input or Output TELSEC® ESB
Input/Output Boards can be mounted
in an Expansion Panel



RTU Units
Installed in
Rooftop or
Wall Mount
HVAC

Specifications	TELSEC® ESB	EXP Expansion Panel	UIB Board	DOB Board	AOB Board	RTU
Part Number	150770	150775 requires External Power Supply 150774 includes 120 VAC-24 VDC	130455	130454	130456	130440
Mounting	Wall mount					
Inputs	16 universal inputs expandable to 128 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 64 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 10 analog outputs, 0-10 VDC or 0-20/4-20 mA (order part# 130456)					
HVAC Control	16 stand alone RTU Controllers can be networked to the system. Order part# 130440					
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	24 VAC/20-60 VDC, current draw 0.5 amps at 24 VDC					
Front Panel	Built-in programming panel with 18 keys and an 80-character backlit LCD Display					
Modem (option)	56K modem for communications over standard dialup 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 24,000 entries) and alarms (last 99)					
Software	Supports any off-the-shelf terminal communication software and 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 (standard)					
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

