

# TELSEC® Integrated Panel

for Monitoring, Control & Network Surveillance of Remote Sites



DC POWER & PANEL  
BATTERY MONITORING



INTELLIGENT LEAD/LAG HVAC  
MONITORING & CONTROL



ENVIRONMENTAL ALARM  
MONITORING & CONTROL



TELEPHONY EQUIPMENT  
MONITORING



DOOR CARD  
ACCESS CONTROL



UPS & UPD  
MONITORING



TOWER LIGHT  
MONITORING



GENERATOR & ATS  
MONITORING



TELSEC® Integrated Panel with  
Web browser for status & configuration

The TELSEC® Integrated Panel provides an integrated surveillance solution to monitor and control all environmental and access control functions and equipment alarming in the remote site:

- Performs all controlling, monitoring, and communication functions in a single product.
- Install in Remote Sites: Hubs, OTNs, Huts and CUEs.
- Install in Head-Ends, Cable Vaults, Switching Centers, and Central Offices.
- Delivers critical battery monitoring during discharge: predicted battery capacity and time remaining until low voltage disconnect is calculated constantly. The TELSEC® will generate an alarm when the capacity or time remaining is below user programmable thresholds.
- Compact, versatile package 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.
- NEBS Level III Approved controller in a UL 508A Listed panel.



<http://www...>

Acting as your smart eyes and ears at the remote site, 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 and power plant equipment.



## TELSEC® Integrated Panel Features

- TCP/IP over Ethernet Connectivity.
- Web Browser for Status and Configuration.
- E-mail alarm messaging to PCs, pagers, PDAs, and cell phones.
- Supports SNMP v1, SNMP v2c, Traps/Informs, Gets, and Sets.
- Backup modem with caller ID support ensures secure connection.
- Monitors individual battery voltage and string voltage.
- Intelligent lead/lag control of multiple A/C Units.
- Monitors all environmental alarms: room temperature, room humidity, HVAC, fire/smoke, halon systems, and hydrogen gas.
- Card access control of up to 4 doors with 600 cards per system plus Intrusion Monitoring.
- Built-in craft port supports local serial communications.
- Non-volatile FLASH memory prevents program loss and stores program upgrades.

**Web Browser for Status  
and Configuration**

**NEBS Level III Approved  
Controller**

**UL508A Approved Panel**

**Expandable to  
232 Inputs and 32 Outputs**

**1 Year Warranty**

**Built-in Panel UPS with  
4-6 Hour Backup Time**

Specifications	TELSEC® 2000WM Panel	TELSEC® 2000WM/WME Panel
Part Number	150771	150768
Panel Type	NEMA Type 4, 12, & 13 Enclosure	
Number of Universal Inputs	32	64
Number of Outputs	16	32
Input Types	All universal inputs can be analog (0-5 VDC or 0-20 mA), dry contact closure or wet contact (3-75 VDC)	
Output Types	Normally Open (NO), 1 amp at 30 VDC, 0.3 amps at 60 VDC, 0.5 amps at 125 VAC	
Card Access	Supports industry standard Wiegand format, proximity or card swipe readers. Control 4 doors with max 600 cards. Logs 800 most recent events	
Panel Power	120 VAC, 50/60 Hz, 10 amps	
Panel UPS	120 VAC, 50/60 Hz, 850 VA/500 watts, 4-6 Hr Backup Time (typical). On battery & power fail alarms included	
TELSEC® Power	±18 to 65 VDC, 0.5 amps	
TELSEC® Backup Battery	Long-life lithium. 10-year shelf, 1.5 years under load.	
Front Panel	Built-in programming panel with 8 keys and a 32-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	One asynchronous db9 RS232 serial port. Programmable for speed, parity, and bit format	
Network Interface (option)	Ethernet 10BaseT with RJ45 connector	
LAN Protocols Supported	TCP/IP, Telnet, HTTP, SMTP, SNMP v1, v2c, Traps/Informs	
Dial-up PPP	Provides TCP/IP connectivity over PPP via analog modem for the TELSEC® and three additional RS232 asynchronous ports for connecting external devices that require remote connectivity over the PPP interface	
Logging	Logs all inputs, outputs, and alarms, up to 10,000 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	Screw terminals for all field terminations	
Temp/Humidity Sensor Accuracy	Temp: ±1°F (±0.5°C), Humidity: ±2% of range. Temperature and Humidity sensors included	
Ambient Operating Temp	32 to 122°F (0 to 50°C), 0-95% RH Non-condensing	
Certification	TELSEC® Controller is NEBS Level III Approved, UL Listed, CE Panel is UL508A	
Dimensions	24" H x 20" W x 8" D (610 mm x 508 mm x 203 mm)	36" H x 24" W x 8" D (914 mm x 610 mm x 203 mm)
Shipping Weight	80 lb. (36 kg)	100 lb. (46 kg)
Warranty	TELSEC® Controller & Panel 1 Year. Non-Quest manufactured peripherals 90 days	

Specifications subject to change without notice.



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

[www.questcontrols.com](http://www.questcontrols.com)

208 9th Street Drive West, Palmetto, FL 34221

Tel: (941) 729-4799 • Fax: (941) 729-5480

TIP092909 Printed in U.S.A.