

# TELSEC® 1500/2000 RM/WM

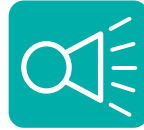
for Monitoring, Control & Network Surveillance of Remote Sites



POWER & BATTERY  
CAPACITY MONITORING



INTELLIGENT LEAD/LAG HVAC  
MONITORING & CONTROL



ENVIRONMENTAL ALARM  
MONITORING & CONTROL



TELEPHONY EQUIPMENT  
MONITORING



DOOR/HATCH  
CARD ACCESS CONTROL



CABLE PRESSURE &  
AIR FLOW MONITORING



VARIABLE SPEED HEAT  
EXCHANGER CONTROL



TOWER LIGHT  
MONITORING

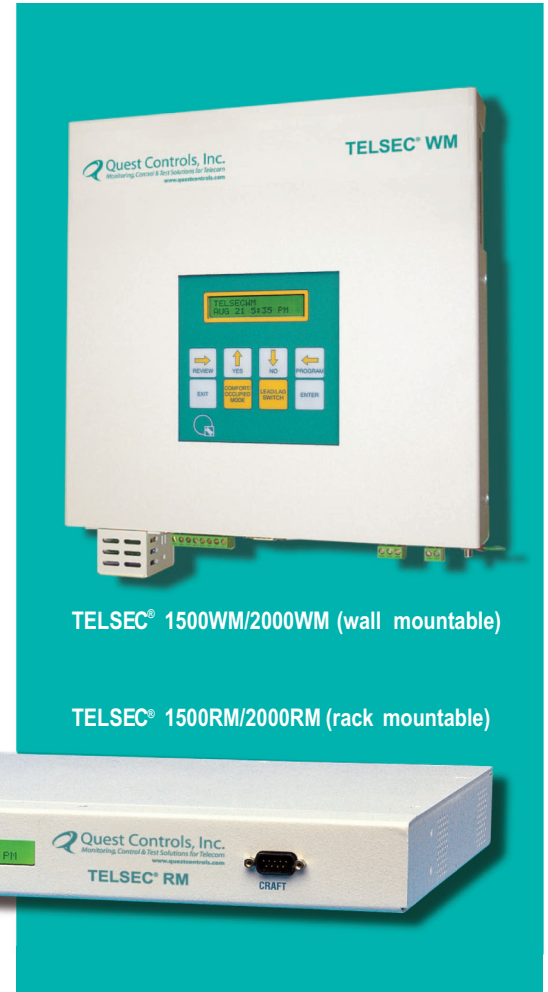


GENERATOR  
MONITORING



<http://www...>

Web Browser for status  
and configuration



TELSEC® 1500WM/2000WM (wall mountable)

TELSEC® 1500RM/2000RM (rack mountable)

**The TELSEC® 1500/2000 RM/WM Controller 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: CEVs, Huts, CECs, CUEs, WICs, Manholes, Cabinets, and Customer Prem sites.
- Install in Central Offices, Cable Vaults, Switching Centers, and Head-Ends.
- 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 remote interrogation of remote sites from any alarm and/or maintenance center.
- NEBS Level III Approved, UL Listed, and CE.

**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 batteries.

## TELSEC® 1500/2000 RM/WM Features:

- TCP/IP over Ethernet Connectivity.
- Supports SNMP v1, SNMP v2c.
- Caller ID support ensures secure modem connection.
- Battery monitoring: predicts battery capacity and time remaining during discharge using Telcordia Algorithm.
- Monitors individual battery voltage and string voltage.
- Intelligent lead/lag control of multiple A/C Units.
- Variable speed control of up to 6 heat exchanger fans when used with the TELSEC® 500 or Fan Control Module.
- Monitors all environmental alarms: temperature, humidity, fire/smoke, toxic and combustible gas, high water, halon discharge.
- Card access control of up to 4 doors with 600 cards per system plus Intrusion Monitoring.
- Built-in craft port supports local serial communications.
- Supports alarm phone numbers for calls to PCs, pagers, and printers.
- Non-volatile FLASH memory prevents program loss & stores program upgrades.
- Web Browser for Status and Configuration.

## Power & Battery Capacity Monitoring

### NEBS Level III Approved

**Expandable to:  
232 inputs & 16 outputs  
or 64 inputs & 32 outputs**

**1 Year Warranty**

**Web Browser for Status  
& Configuration**

Specifications	TELSEC® 1500RM	TELSEC® 2000RM	TELSEC® 1500WM	TELSEC® 2000WM
Part Number	150619	150618	150617	150612
Mounting	Rack mount 19" or 23"		Wall mount	
Number of Universal Inputs	16	32	16	32
Number of Outputs	8 NO	16 NO	8 NO	16 NO
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			
Power	±18 to 65 VDC, 0.5 amps. Optional 120/110 VAC, 60 Hz, 0.25 amps			
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) LAN Protocols Supported Dial-up PPP	Ethernet 10BaseT with RJ45 connector TCP/IP, Telnet, HTTP, SMTP, SNMP v1, v2c, Traps/Informs 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	Two (2) 50-pin Amphenol® connectors for outputs, discrete and analog inputs. Supports 2 wire (tip and ring), connections for each point using 25 pair cable			
Backup Battery	Long-life lithium. 10-year shelf, 1.5 years under load			
Temp/Humidity Sensor Accuracy	Temp: ±1°F (±0.5°C), Humidity: ±2% of range. Temperature and Humidity sensors included			
Ambient Operating Temp	-40 to 180°F (-40 to 82°C), 0-95% RH Non-condensing			
Certification	NEBS Level III Approved, UL Listed, CE			
Dimensions	1.75" H x 17" W x 10.5" D (45 mm x 432 mm x 267 mm)		11" H x 11" W x 2" D (279 mm x 279 mm x 51 mm)	
Shipping Weight	6 lbs. (2.7 kg)		4 lbs. (1.8 kg)	
Warranty	1 Year			

\*To increase the system configuration to an additional 32 Inputs and 16 Outputs, a rack mount expansion module (TELSEC® RME, Part# 150640) and wall mount expansion module (TELSEC® WME, Part# 150724) can be networked to the TELSEC® RM/WM.

Specifications subject to change without notice.



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

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