

TELSEC® 1500/2000 RM/WM

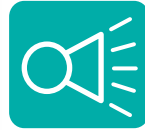
for Monitoring, Control and Network Surveillance of Remote Sites



POWER & BATTERY
CAPACITY MONITORING



INTELLIGENT LEAD/LAG HVAC
MONITORING & CONTROL



ENVIRONMENTAL ALARM
MONITORING & CONTROL



TELEPHONY EQUIPMENT
MONITORING



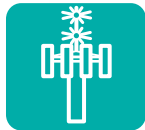
DOOR/HATCH
CARD ACCESS CONTROL



CABLE PRESSURE &
AIR FLOW MONITORING



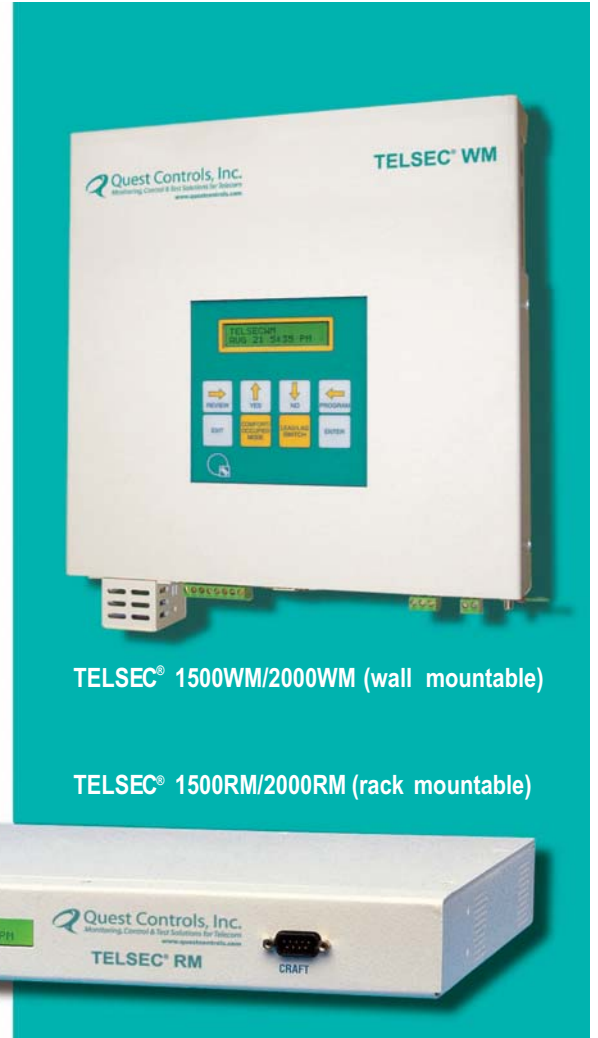
VARIABLE SPEED HEAT
EXCHANGER CONTROL



TOWER LIGHT
MONITORING



GENERATOR
MONITORING



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 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 3500 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.
- 5 password levels, up to 50 passwords.
- Non-volatile FLASH memory prevents program loss and stores program upgrades.

Power and Battery Capacity Monitoring

TL1 Alarm Messaging Compatible with NMA and TONICS Systems

NEBS Level III Approved

Expandable to 64 Inputs and 32 Outputs

3 Year Warranty

Specifications	TELSEC® 1500RM	TELSEC® 2000RM	TELSEC® 1500WM	TELSEC® 2000WM
<i>Part Number</i>	150619	150618	150617	150612
<i>Mounting</i>	Rack mount 19" or 23"		Wall mount	
<i>Number of Universal Inputs</i>	16	32	16	32
<i>Number of Outputs</i>	8 NO	16 NO	8 NO	16 NO
<i>Input Types</i>	All universal inputs can be analog (0-5 VDC or 0-20 mA), dry contact closure or wet contact (3-75 VDC)			
<i>Output Types</i>	Normally Open (NO), 1 amp at 30 VDC, 0.3 amps at 60 VDC, 0.5 amps at 125 VAC			
<i>Card Access</i>	Supports industry standard Wiegand format, proximity or card swipe readers. Control 4 doors with max 3500 cards. Logs 500 most recent events			
<i>Power</i>	±18 to 65 VDC, 0.5 amps. Optional 120/110 VAC, 60Hz, 0.25 amps			
<i>Front Panel</i>	Built-in programming panel with 8 keys and a 32-character backlit LCD Display			
<i>Modem (up to 2)</i>	Supports industry standard Modems (V.90, V.34) with error correction and data compression. One modem dedicated to Alarm Center (NOC). One modem dedicated to Maintenance Center (local)			
<i>Caller ID Support</i>	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			
<i>Serial Port (2) (option)</i>	Two (2) asynchronous db9 RS232 serial ports. Programmable for speed, parity, and bit format			
<i>Network Interface (option)</i> <i>LAN</i> <i>Protocols Supported</i> <i>Dial-up PPP</i>	Ethernet 10BaseT with RJ45 connector TCP/IP, SNMP v1, SNMP v2c, Telnet, HTTP (for setup), 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			
<i>Logging</i>	Logs all inputs, outputs, and alarms, up to 16,000 points			
<i>Software</i>	Supports any off-the-shelf terminal communication software (e.g. Procomm®, Hyperterminal®)			
<i>I/O Terminals</i>	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			
<i>Backup Battery</i>	Long-life lithium. 10-year shelf, 1.5 years under load			
<i>Temp/Humidity</i> <i>Sensor Accuracy</i>	Temp: ±1°F (±0.5°C), Humidity: ±2% of range. Temperature and Humidity sensors included			
<i>Ambient Operating Temp</i>	-40 to 180°F (-40 to 82°C), 0-95% RH Non-condensing			
<i>Certification</i>	NEBS Level III Approved, UL Listed, CE			
<i>Dimensions</i>	1.75"H x 17"W x 10.5"D (45mmH x 432mmW x 267mmD)		11"H x 11"W x 2" D (279mmH x 279mmW x 51mmD)	
<i>Shipping Weight</i>	6 lbs. (2.7kg)		4 lbs. (1.8kg)	
<i>Warranty</i>	3 Years			

NOTE: To increase the system configuration to an additional 32 Inputs and 16 Outputs, a rack expansion module can be networked to a TELSEC® 1500/2000 RM/WM, order Quest Part# 150640.

Specifications subject to change without notice



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