

TELSEC® 1500/2000 RM/WM

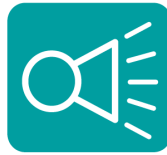
For Monitoring, Control & Network Surveillance of Remote Sites



DC POWER & BATTERY MONITORING



INTELLIGENT LEAD/LAG HVAC MONITORING & CONTROL



ENVIRONMENTAL ALARM MONITORING & CONTROL



TELEPHONY EQUIPMENT MONITORING



DOOR/HATCH CARD ACCESS CONTROL



GENERATOR MONITORING



<http://www...>

Web Browser for Status & 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 a telecommunications 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 Headends.
- Delivers critical battery monitoring during discharge: predicted battery capacity and time remaining until low voltage disconnect is calculated constantly.
- Compact, versatile package operates with a standard control program or can be customized to meet your requirements.
- Expandable up to 232 inputs.
- Monitors Modbus enabled devices such as Generators, ATS switches and DC plants for trending and alarm of up to 512 registers.
- Enables remote interrogation of sites from any alarm and/or maintenance center.
- NEBS Level III Approved, UL Listed, 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.
- Decreasing visits to remote sites.
- Eliminating downtime by acting as an early warning system.
- Lowering 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:

- 10/100Mb Ethernet Connectivity.
- Supports SNMP v1, SNMP v2c.
- Alarms notification via TL1 over nailed up session, SNMP traps/informs & email.
- Caller ID Modem support ensures secure connection over dialup lines.
- 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 such as: 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.
- 5 password levels, up to 50 passwords.
- Non-volatile FLASH memory prevents program loss & stores program upgrades.

DC Power & Battery Monitoring

TL1 Alarm Messaging
Compatible with
NMA & NFM Systems

NEBS Level III Approved
Expandable to 232 Outputs

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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 (± 65 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 600 cards. Logs 800 most recent events			
Power	Dual Feed (A&B) ± 18 to 65 VDC, 0.5 amps. Optional 120/110 VAC, 60Hz, 0.25 amps			
Front Panel	Built-in user interface with 8 keys and a 32-character backlit LCD Display			
Caller ID Support	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 (1) Asynchronous db9 RS232 serial port for craft access. Programmable for speed, parity, and bit format Three (3) serial ports software configurable for RS232, RS485 or RS422. Used for monitoring Serial data/alarms (ie Modbus), Telnet Passthrough and Management Console for out of band access			
Network Interface (option)	Ethernet 10/100 Base-T			
Network Protocols Supported	HTTP, Telnet (7 concurrent sessions), SMTP, NTP, SNMP v1, v2c, Traps & Informs			
Alarm Transmission	TL1 over Telnet up to seven locations, SNMP Traps or Informs to four locations, email to four user groups (four emails per group)			
Logging	Logs all inputs, outputs, and alarms over 10,000 points			
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			
Sensor Accuracy	Temp: $\pm 1^\circ\text{F}$ ($\pm 0.5^\circ\text{C}$), Humidity: $\pm 2\%$ 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 x 432 x 267 mm)		11"H x 11"W x 2" D (279 x 279 x 51 mm)	
Shipping Weight	6 lb. (2.7 kg)		4 lb. (1.8 kg)	
Warranty	1 year			

NOTE: To increase the system configuration to an additional 200 Inputs, a rack expansion module can be networked to a TELSEC® 1500/2000 RM/WM, order Quest Part #150794-200.

Specifications subject to change without notice



www.questcontrols.com

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