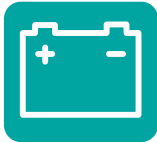


TELSEC® 2000WM Monitoring & Control Panel for CEVs

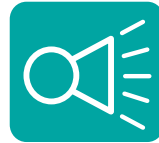
for Applications in Remote Site CEVs



**POWER & BATTERY
CAPACITY MONITORING**



**INTELLIGENT LEAD/LAG
HVAC MONITORING & CONTROL**



**ENVIRONMENTAL ALARM
MONITORING & CONTROL**



**TELEPHONY EQUIPMENT
MONITORING**



**DOOR/HATCH
ACCESS CONTROL**



**GENERATOR
MONITORING**



**TELSEC® 2000WM
Monitoring and Control
Panel for CEVs**

For new construction and retrofit applications, the TELSEC® provides an integrated surveillance solution to monitor and control all environmental and access control functions and equipment alarming in a remote CEV. The TELSEC® 2000WM Monitoring and Control Panel provides a direct replacement for any existing electromechanical or electronic controls in remote CEVs:

- Performs all control, monitoring, and communication functions in a single product.
- Provides critical visibility to the remote CEV via 2-way communications, which enables remote interrogation of the sites from any alarm and/or maintenance center.
- 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.
- Provides power relays for controlling air conditioners, vent fans, and heaters.
- Replaces older generation thermostats, humidistats, lead/lag controllers, mechanical bypass timers, and other electromechanical components.
- NEBS Level III Approved Controller.

Acting as your smart eyes and ears at the remote site, the TELSEC® Monitoring and Control Panel delivers large savings and quick payback by:

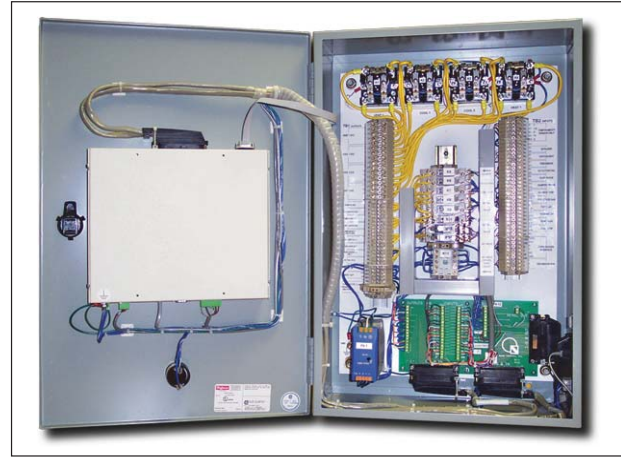
- Reducing energy costs via free cooling and intelligent HVAC lead/lag control strategies.
- Reducing visits to remote CEVs.
- Eliminating downtime by acting as an early warning system.
- Enhances troubleshooting with a searchable event history log.
- Extending life of critical operating equipment including air conditioners and batteries.

TELSEC® 2000WM Monitoring & Control Panel for CEVs for Applications in Remote Site CEVs

**Power and Battery
Capacity Monitoring**

Simple Turnkey Installation

**TL1 Alarm Messaging Compatible
with NMA & TONICS Systems**



TELSEC® 2000WM Monitoring & Control Panel Features:

- **Battery monitoring: predicts battery capacity and time remaining during discharge using Telcordia Algorithm.**
- **Intelligent lead/lag control of multiple A/C Units.**
- **Monitors all environmental alarms, such as, temperature, humidity, fire/smoke, toxic and combustible gas, and high water.**
- **Card access control and intrusion monitoring.**
- **TCP/IP over Ethernet Connectivity (option).**
- **Caller ID support ensures secure connection.**
- **Expandable to 64 Inputs and 32 Outputs.**
- **Built-in craft port supports local serial communications.**
- **Supports alarm phone numbers for calls to PCs, pagers, & printers.**
- **5 password levels, up to 50 passwords.**
- **Non-volatile FLASH memory prevents program loss and stores program upgrades.**

Specifications

Part Number	150090
Number of Universal Inputs	32
Number of Outputs	16 NO
Input Types (32)	All universal inputs can be analog (0-5VDC or 0-20mA), dry contact closure or wet contact (3-75VDC)
TELSEC® Output Types (16)	Normally Open (NO), 1 amp at 30VDC, 0.3 amps at 60VDC, 0.5 amps at 125VAC
Panel Control Relays (12)	1-Vent Fan, 24VDC coil, 30 amps, 2-Cool, 24VDC coil, 30 amps, 1-Heat, 24VDC coil, 30 amps 1-Emergency Lights, 24VDC coil 10 amps, 1-Work Light, 24VDC coil 10 amps, 1-AC Fail, 240VAC coil 10 amps, 1-Sump Pump, 24VDC coil 10 amps, 1-Red/Green Light, 24VDC coil 10 amps, 1-Dehumidifier, 24VDC coil 10 amps, 1-Damper, 24VDC coil 10 amps, 1-Changeover, 48VDC coil 10 amps
Annunciator	80db at 1M
Card Access	Supports industry standard Wiegand format, proximity or card swipe readers. Up to 4 doors can be controlled Up to 3500 cards can be programmed per site. Logs 500 most recent events
Power	±18 to 65VDC, 0.5 amps and 120VAC, 60 Hz, 1.5 amps
Front Panel	Built-in programming panel with 8 keys and a 32-character backlit LCD Display
Serial Port (2)	2 db9, 9 pin RS232 ports. Supports asynchronous communications. Programmable for speed, parity, and bit format
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
Network Interface (option)	
LAN	Ethernet 10BaseT with RJ45 connector
Protocols Supported	TCP/IP, SNMP v1, SNMP v2c, Telnet, HTTP (for setup), PPP
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
56K DSU	Provides TCP/IP connectivity over PPP via digital circuit 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 16,000 points and a separate Card Access Log of the most recent events
Software	Supports any off-the-shelf terminal communication software (e.g. Procomm®, Hyperterminal®)
I/O Terminals	Two (2) 50-PIN Amphenol® connector for outputs, discrete and analog inputs. Supports 2 wire (tip and ring), connections for each point using 25 pair cable and screw terminals for alarm termination
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	TELSEC® Controller is NEBS Level III Approved, UL Listed, CE. Panel is UL508A
Dimensions	24.375"H x 16.375"W x 6.625"D (619mmH x 416mmW x 168mmD)
Shipping Weight	55 lbs (25kg)
Warranty	TELSEC® Controller 3 Years. Mechanical Panel 1 Year

Specifications are subject to change without notice

Quest Controls, Inc.
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