

TELSEC® 2000WM Monitoring & Control Panel for HUTS

for Applications in Remote Site HUTS



**POWER & BATTERY
CAPACITY MONITORING**



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



**ENVIRONMENTAL ALARM
MONITORING & CONTROL**



**TELEPHONY EQUIPMENT
MONITORING**



**DOOR/HATCH
ACCESS CONTROL**



**GENERATOR
MONITORING**



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 HUT. The TELSEC® 2000WM Monitoring and Control Panel provides a direct replacement for any existing electromechanical or electronic controls in remote HUTS:

- Performs all control, monitoring, and communication functions in a single product.
- Provides critical visibility to the remote HUT 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® Retrofit 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 HUTS.
- 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 HUTS

for Applications in Remote Site HUTS

**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 | 150088 |
| 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 (10) | 2-Cool, 24VDC coil, 30 amps, 2-Heat, 24VDC coil, 30 amps 1-AC Fail, 240VDC coil, 10 amps, 2-Damper, 24VDC coil, 10 amps, 2-Vent, 24VDC coil, 10 amps, 1-Changeover, 48VDC coil, 10 amps |
| 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) | Ethernet 10BaseT with RJ45 connector |
| LAN | TCP/IP, SNMP v1, SNMP v2c, Telnet, HTTP (for setup), PPP |
| Protocols Supported | 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 |
| Dial-up PPP | 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 |
| 56K DSU | |
| Logging | Logs all inputs, outputs, and alarms, up to 16,000 points and a separate Card Access Log of the 500 most recent events |
| Software | Supports any off-the-shelf terminal communication software (e.g. Procomm®, Hyperterminal®) |
| I/O Terminals | One (1) 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 | 20.375"H x 16.375"W x 6.625"D (518mmH x 416mmW x 168mmD) |
| Shipping Weight | 45 lbs (20kg) |
| Warranty | TELSEC® Controller 3 Years. Mechanical Panel 1 Year |

Specifications are subject to change without notice



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PN#150088, V11 0805 Printed in U.S.A.