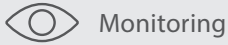


TELSEC® CEV Panel



Monitoring



Controlling



Alarming

APPLICATIONS

CEV - CEMH - WIC - HUT
CUE - CEC - Fiber Hub

For new construction and retrofit applications, the TELSEC® CEV Panel provides an integrated monitoring solution to monitor and control all environmental and equipment alarming in a remote underground CEV. The TELSEC CEV Monitoring and Control Panel provides a direct replacement for existing electromechanical or electronic control system 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.
- 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.

Features

- Ethernet connectivity with support for SNMP v1, v2c, v3 & secure Web server (HTTPS)
- Alarms notification via TL1 over nailed up Telnet session, SNMP traps/informs & email.
- Intelligent lead/lag control of multiple A/C Units.
- Intrusion Monitoring.
- Non-volatile FLASH memory prevents program loss & stores program upgrades.
- Monitors all environmental alarms such as: temperature, humidity, fire/smoke, toxic and combustible gas, high water, halon discharge.
- Supports Modbus RTU for monitoring ATS, generators, etc.
- Expandable for additional monitoring and control.
- Enhances troubleshooting with a searchable event history log.
- Color touchscreen display for status monitoring and alarm display.

Benefits

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.
- Enhancing troubleshooting with a searchable event history log.
- Extending life of critical operating equipment including air conditioners and batteries.



Toxic & Combustible
Gas Monitoring



Intelligent Lead/Lag HVAC
Monitoring & Control



DC Power
Monitoring



Generator
Monitoring



Environmental Alarm
Monitoring & Control



Telephony Equipment
Monitoring



High Water
Monitoring



Fire & Smoke
Monitoring

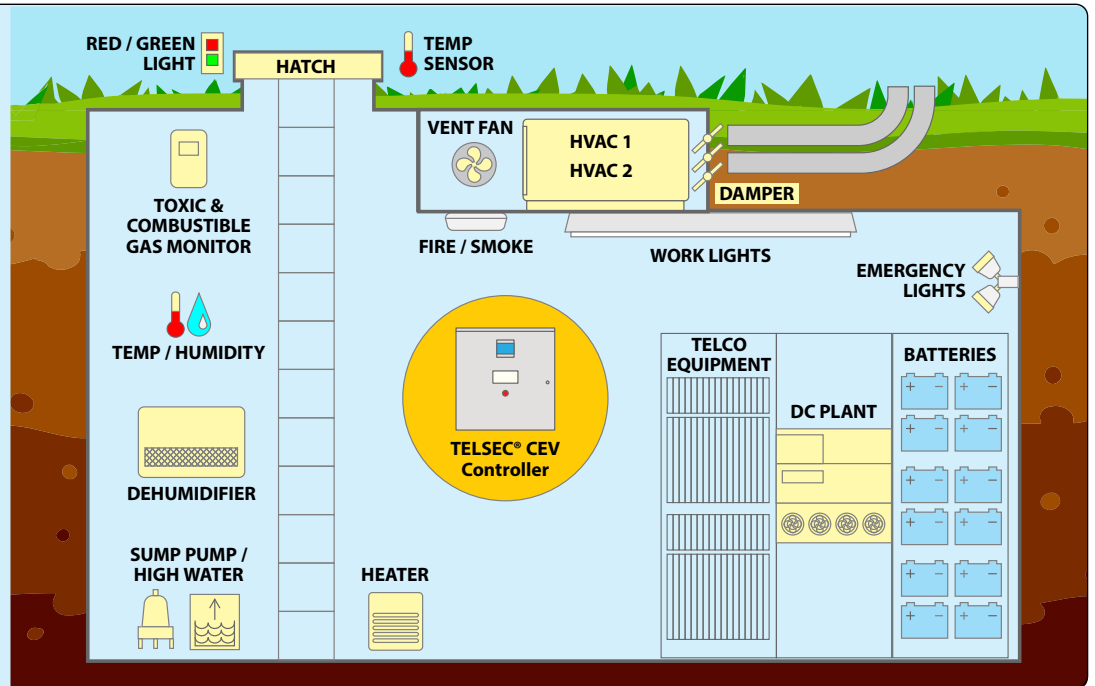


TELSEC® CEV Panel



Quest's innovative Customer-Driven products and services reduce your company's carbon footprint, optimize energy usage, enhance operational efficiency, and improve overall facility management.

The CEV Panel provides remote visibility to eliminate on-site visits for routine checks.



Specifications

Part Number	151115
Outputs	24 digital outputs for control and alarming. Expandable to 144 outputs in groups of 8 (order part# 130454)
Inputs	16 universal inputs can be analog (0-5VDC or 0-20 mA) dry contact closure or wet contact (+65VDC max.). Expandable to 272 in 16 input increments (order part# 130455)
Control Output Relays (12)	1-Vent Fan 10 amp, 2-Cool 10 amp, 1-Heat 10 amp, 1-Emergency Lights 10 amp, 1-Work Light 10 amp, 1-Sump Pump 10 amp, 1-Red/Green Light 10 amp, 1-Dehumidifier 10 amp, 1-Damper 10 amp, Audible Buzzer 10 amp, Spare 5 amp
Annunciator	80db at 1m
Power	120VAC, 5 amp max.
Front Panel	Color Touch Screen LCD 4.3" diagonal with 24-bit TrueColor, WQVGA resolution (480 x 272)
Serial Network	3 RS485 ports: 2 for Modbus RTU, 1 for Quest expansion modules
Network Interface	LAN - Ethernet 10/100BaseT with RJ45 connector
Network Protocols Supported	IPv6, IPv4, HTTP, HTTPS, RADIUS Password Authentication, NTP, SMTP (email), SSHv2, Telnet, TL1, SNMP v1, v2c and v3 for Gets, Sets and traps/informs

Alarm Transmission	TL1 over Telnet up to 9 locations, SNMP Traps or Informs to 4 locations, email to 9 addresses, 12 alarm contact closures
I/O Terminals	Screw type terminal blocks
Backup Battery	Long-life lithium, 10-year shelf, 1.5 years under load
Temp & Humidity Sensor	Temp: $\pm 1^{\circ}\text{F}$ ($\pm 0.5^{\circ}\text{C}$), Humidity: $\pm 2\%$ of range, sensor included with panel
Ambient Operating Temp	-40 to 180°F (-40 to 82°C), 0-95% RH non-condensing
Dimensions	24"H x 24"W x 6.62"D (610 H x 610 W x 168 D mm)
Shipping Weight	58 lb (26.3 kg)
Warranty	1 year

Available Sensors	
Part Number	Sensor
150747/150747-C	Outside Air Sensor Accuracy (0 to 70°C): $\pm 0.2^{\circ}\text{C}$ ($\pm 0.36^{\circ}\text{F}$)
151022	Gas Sensor Carbon monoxide, Electrochemical, 0-250 ppm, Methane, Catalytic Bead, 0-100% LEL
300136	Smoke Detector Photoelectric sensitivity 3.1% + 0.5 to 1.0%
300946	Oxygen Smart Gas Sensor Catalytic Bead

Specifications subject to change without notice

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