

# Tower Light Monitoring Panel

*Monitoring and obstruction lighting fixtures meeting FCC and FAA standards.*

The Quest Tower Light Monitoring Panel offers a cost-effective solution to the problem of maintaining FCC and FAA standards for monitoring and safety. In recent years, fines for violations have risen to the tens of thousands, and in some cases to the hundreds of thousands of dollars. These penalties apply not only to the tower owners, but also to those leasing tower space. Quest Tower light monitoring continually senses the status of all aspects associated with proper beacon and flasher operation and sidelight or obstruction light performance.

The monitor is in a waterproof housing that allows placement inside, outside or on the tower itself. Every system comes with a light level sensor to ensure proper monitoring of the lighting control circuits. When a tower light fails, the FCC requires that you notify the FAA within 30 minutes (or risk being fined). The Quest monitoring solution will help meet this requirement by constantly monitoring the tower lights and notifying you immediately in the event of a failure. Be safe and secure and able to sleep at night knowing that the Quest Tower Light Monitoring System will prevent a system failure from making you tomorrow's headline.

## Features

- Meets or exceeds FAA and FCC tower light monitoring requirements
- Immediate notification in the event of a failure via e-mail, SNMP Traps or dialup
- Modular design allows customization for nearly any application
- Mount the panel inside, outside or on the tower
- Uses industry standard, non-proprietary components
- Can be easily adapted to all existing structures
- View the status of deployed equipment through the built-in Web Browser in the TELSEC® Controller
- All alarms and events are stored for historical reports
- Redundant alarm contacts are available

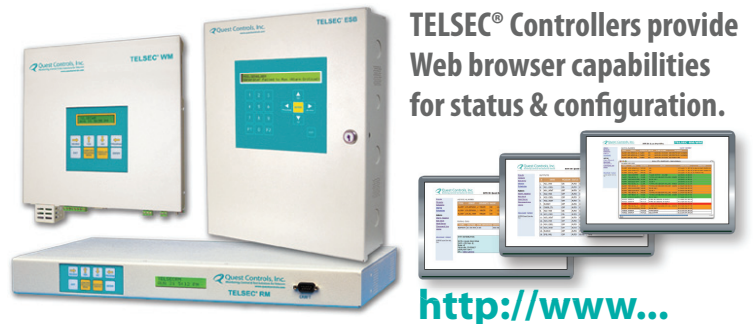
## Tower Light Alarms

- Photocell control monitoring to identify controller failures that could prevent the lights from turning on
- Light level sensor to verify that the lights are turning on at the proper times
- Circuit breaker/commercial power monitoring
- Flasher/beacon light failure (one or more bulbs)
- Flasher control module failure (steady on)
- Sidelight/obstruction light failure (one or more bulbs)



The Quest Tower Light Monitoring Panel interfaces directly with the **TELSEC® Controller** to provide constant monitoring of tower lights.

The models available (#150822 and #150824) are designed to provide safe, reliable and long life monitoring and alarming for most tower applications. All models include a NEMA 4 outdoor enclosure and a calibrated light level sensor for monitoring day/night switching. All panels connect to Quest TELSEC® Controllers to provide current status and alarming.



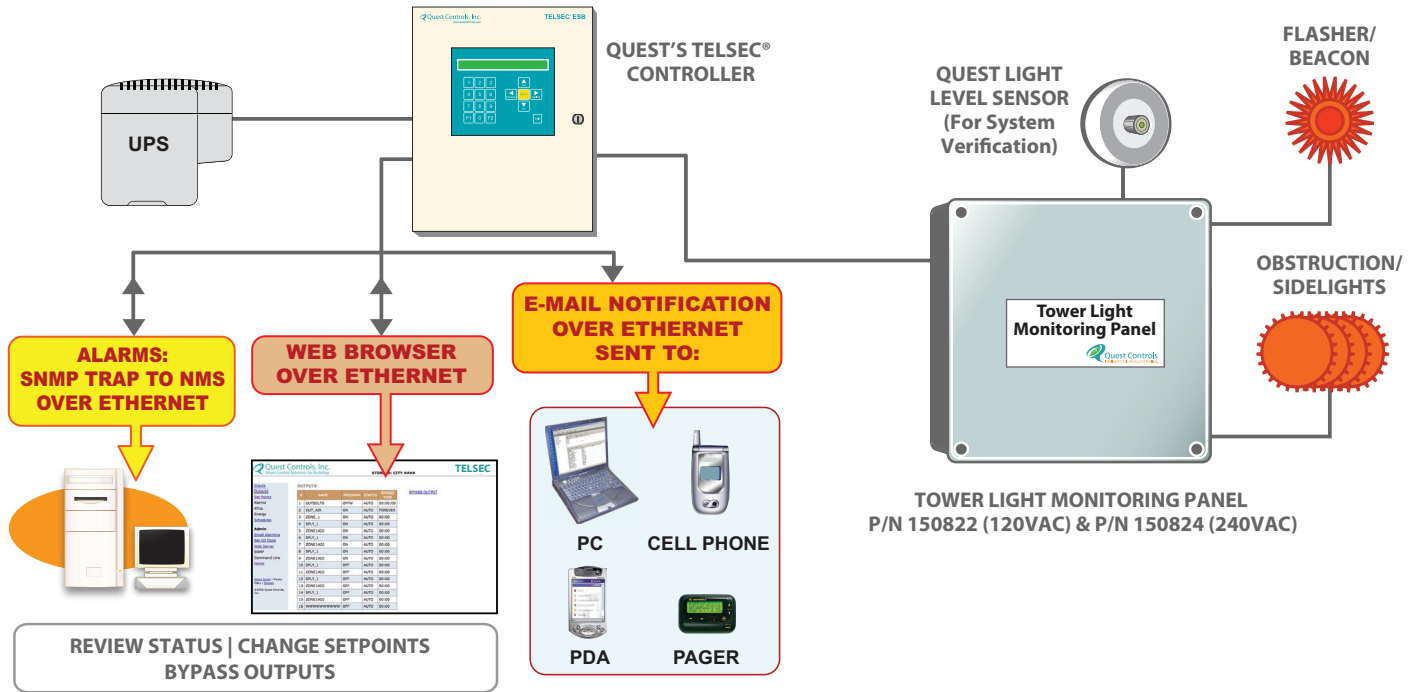
TELSEC® Controllers provide Web browser capabilities for status & configuration.

## Additional Monitoring & Control using the TELSEC® Controller

- Batteries, rectifiers, power plant, UPS
- Intelligent lead/lag HVAC monitoring & control
- Environmental alarm monitoring & control
- Door card access control
- Generator, ATS & fuel tank monitoring
- Video camera monitoring
- Lighting inside, outside, signage & security lights

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Avoid Costly FCC Fines with Quest's Tower Light Solutions



Specifications	Tower Light Monitoring Panel	
Part Number	150822	150824
Panel Power	120VAC ±10% 50/60Hz	240VAC ±10% 50/60Hz
Beacon	1 (2-Lamp Beacon) Standard*	
Steady (Sidelights/OB)	2-9 (116W Incandescent) standard*	
FCC Approved PEC	Optional	
PEC Setpoints	Energized < 35 fc, de-energized >60 fc	
Light Level Sensor	Continuous Measurement to Ensure Proper Tower Light Operation (0-250 fc)	
Alarm Outputs	All Lights Off, B-KON Fail/Steady on, Sidelights/OB Light failure (1 or more lamps), Beacon Failure, PEC Failure	
Additional Features	Beacon/Sidelight Lamp Failure LEDs	
Panel Type	UL Listed NEMA 4 Enclosure / UL508A Certified	
Panel Mounting Options	Interior wall, Exterior wall, Tower	
Operating Temperature	-40C to +60C (-40 to +140 degrees Fahrenheit)	
Dimensions	15.5" H x 13.9"W x 6.3"D (393 x 352 x 160 mm)	
Shipping Weight	14 lbs. (6.4 kg)	
Warranty	1 Year	

\* Custom panel configurations available for monitoring additional beacons and/or sidelights (LED or bulb types). Contact sales person for additional information.  
 Note: These specifications only apply to these listed panels. The Panels can be adapted or customized to address a wide array of situations.  
 Specifications subject to change without notice.

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