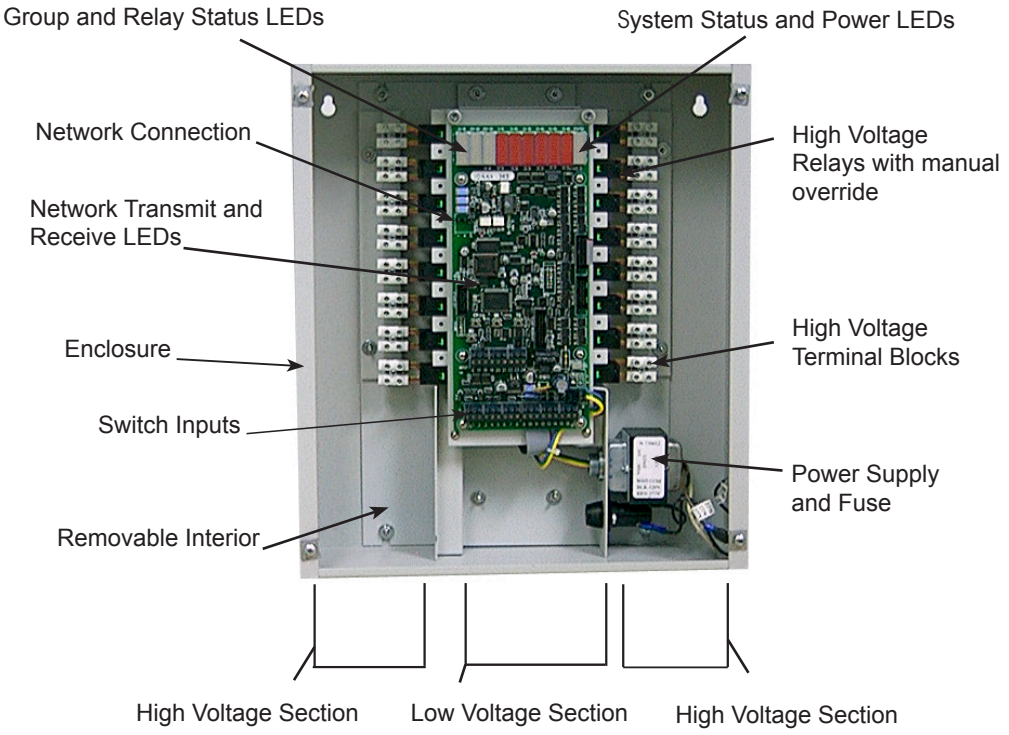
TRIATEK®

Innovative Airflow Solutions for Critical Environments

LP-3500
Lighting Control Panel
Data Sheet



Triatek's LP-3500 Lighting Control Panels have been used in arenas, stadiums, and commercial buildings around the globe.

The LP-3500 provides the capability to control high voltage lighting circuits via a two wire RS-485 network, occupancy sensors, light level sensors, and manual override switches. The LP-3500 integrates with most building automation systems, which lowers the installation and operating costs.

The LP-3500 features improved relays with longer life and a direct manual override option that can be switched on or off without power, allowing electricians to manually control the circuits during installation.

The LP-3500 allows authorized users to override the circuits after installation, an added feature not common in other lighting control products.

FEATURES INCLUDE

- Easy to set up and use
- Capability to control high voltage lighting circuits
- Integrates with most building automation systems
- Improved relays with longer life
- Direct manual override option
- Smaller panel size
- LED Displays
- Flash warnings available

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Features

Microprocessor-Based Controller provides hardware and automated lighting control software for up to 24 switch inputs (expandable to 120), RS-485/232 port, LEDs for group, relay and system status, and control for up to 48 relays.

Building Automation Systems (BAS) Interoperability provides seamless integration with:

- Schneider Electric
- Automated Logic Carrier
- Delta Controls
- Honeywell
- Johnson Controls
- Siemens Building Technologies
- Ingersol Rand

Durable Mechanical Latching Relay provides 150,000 cycles of switching at full load and over 1,000,000 cycles of mechanical life. Each relay provides direct manual override capability without power.

Small Panel Size takes up less wall space than most lighting control manufacturers, and may be flush or surface mounted.

Windows Setup Software provides easy setup and commissioning of Triatek lighting control panels.

LED Displays provide visual indication of group and relay status.

Software Grouping of Relays and Groups through point and click Windows software eliminates hardwire grouping.

Input Timers turn lights off after a programmable amount of time.

Priority Control set-up hierarchies or priorities for each of the relay groups.

Flash Warnings allow you to flash the lights associated with a lighting group to warn occupants prior to turning the lights off.

Flash Warning Time allows you to select the off time for the lights during the Flash Warning.

On-Time After Flash Warning allows you to select the length of time the lighting group will be on after the lights have been flashed.

Relay Energize Time allows you to set the length of time the relay coil is energized.

Easy Installation allows for relay numbering matches to typical circuit breaker numbering to simplify installation.

Relays and Inputs can be set to user-desired limits.

Automatic Output Sequencing allows each relay to be sequenced rather than energizing all relays simultaneously.

Input Polarity allows you to select either normally open or normally closed input contacts.

Programmable Inputs allow you to select the type of input as Maintained, Momentary On, Momentary Off, Momentary Toggle, State Change for three-way switches, and Linked On switch for three-level lighting control.

EPROM and EEPROM Diagnostics verifies the integrity of the unit's Electrically Programmable-Read Only Memory (EPROM) and Electrically Erasable Program (EEPROM).

Light Level Sensor Input allows BMS to monitor real-time ambient lighting in a designated area for daylight harvesting applications.

Optional BACnet Adaptor Module converts standard LP-3500 to BACnet MS/TP-native lighting panel for seamless integration with any BACnet-based Building Management System.

Specifications

Programmable Switch Inputs
24 standard, expandable up to 120; dry contact or up to 24 VDC (maintained momentary), screw terminal block is removable type

Output Rating
20 amp, 120 VAC Tungsten
20 amp, 347 VAC ballast

Output Mechanical Life
1,000,000+ on and off cycles at no load,
150,000 on and off cycles at full load,
300,000 operations

Output Terminals
Two terminals for #14-8 AWG solid or stranded wire, copper wire only

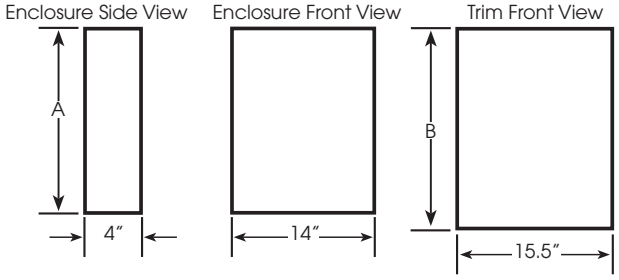
Panel Power Supply
115/277:24 or 347:24 ± 10%, 60Hz; fused primary, surge protection provided on LP-3500 controller

Communications
Network ready, two wire RS-485, screw terminal block is removable type; 500 volt isolation provided

Operating Temperature
32° to 125°F

Operating Humidity
20% - 95% RH, Non-condensing

Two Year Warranty



Enclosure Size

16 Relays (A=16.0") ✔
32 Relays (A=24.8") ☐
48 Relays (A=33.6") ☐

Interior/Trim Size

16 Relays (B=17.5") ✔
32 Relays (B=26.3") ☐
48 Relays (B=35.1") ☐

Ordering Instructions

LP35__-__-__ (Enclosure,Interior and Trim) -__ EXP

Power Supply
0 = 120/277 ✔
1 = 347 ☐

Number of Relays
0 - 48 in one relay increments

16 Relay Enclosure included ✔
32 Relay Enclosure included ☐
48 Relay Enclosure included ☐

Optional

Set-up Software: - Windows-based
- LPCT v4.0

Replacements

Relays: - LPTRI

CPU Motherboard: - For all Panel Series 2500-3500
- P/N LP3500i-CP4