

## LIGHTOLIER CONTROLS

## LSW-24-PRO 24-CIRCUIT HIGH-PERFORMANCE LOW-VOLTAGE LIGHTING CONTROL PANEL

### Project:

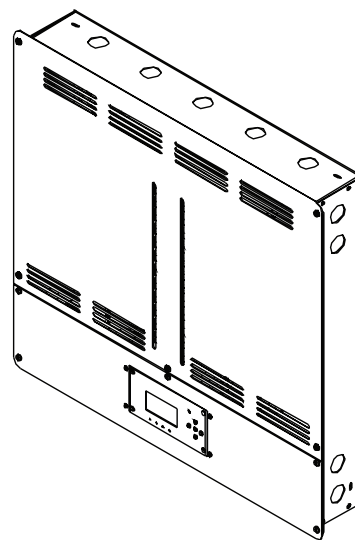
### Location/Type:

### Description

The Lyteswitch 24-Circuit High-Performance Low-Voltage Lighting Control Panel features robust and rugged relays, and provides advanced control of various lighting load types, and allows any combination of control including scheduling via an internal astronomical time-clock, occupant control through the use of standard Lytemode ILS keypads, and/or integration with a building management system.

### Features

- Relays rated for 20A at 120, 240, 277, and 347VAC.
- Single-pole and double-pole relays available.
- Snap in relays easy replaceable without tools.
- Allows for mixing of 120, 240, 277, and 347VAC circuits in the same panel when used with the optional Voltage Barrier Kit.
- Robust industrial relay specifically designed for switching of common lighting loads.
- Convenient mounting options - surface or recessed.
- Compatible with most building management systems including BACnet and LonWorks.
- Scheduling via integral astronomical clock that can store up to 500 events.
- User-friendly programming and operation via the built-in LCD display.
- Remote programming via Lightolier Controls software packages (requires computer - by others).
- Compatible with all Classic Digital and Lytemode control systems and button stations.
- Local control via pushbutton, at relay panel or mechanical switch on relay, to turn on and off relays.
- Compatible with IntelliSight Occupancy Sensors and Photocells.
- Audible Alert and/or Flick Warning warn occupants the lights will go off.
- Low-cost digital button stations simplify installation, programming, and operation.
- 8 Programmable Presets included.
- Ample wiring space with wiring access from top and sides. Panel may be inverted for feed from bottom and sides.
- Panic Input.
- UL924 Option for use with Emergency Lighting Systems.
- DMX512 Input and Pass-Thru. Optional Pathport module available.
- LED status indicators for each relay.
- California Energy Commission's appliance efficiency regulations - Title 24 compliant for use in commercial and residential applications.
- Three year, limited product warranty. Contact Lightolier Controls for details.



### Ordering Info

|             |                                                                       |
|-------------|-----------------------------------------------------------------------|
| LSW-24-PRO  | 24-Circuit w/ High-Performance Single-Pole 20A Latching Relays        |
| LSW-24-PROS | 24-Circuit w/ High-Performance Single-Pole 20A Latching Relays, Slave |
| LSWBOX-2    | Rough-In Box                                                          |
| LSWPP       | Pathport Interface Module                                             |
| LSWVB1224   | 12/24 Voltage Barrier Kit (120V/277V)                                 |
| LSWPRORLY   | Replacement High-Performance Single-Pole 20A Latching Relay           |
| LSWPRO2RLY  | Replacement High-Performance Double-Pole 20A Latching Relay           |

#### NOTE:

For 24-circuit relay panels incorporating internal branch circuit breakers, please refer to the LSW-24-PROB120 (87-0646) or LSW-24-PROB277 (87-0647).

# lyteswitch LOW-VOLTAGE LIGHTING CONTROL PANEL

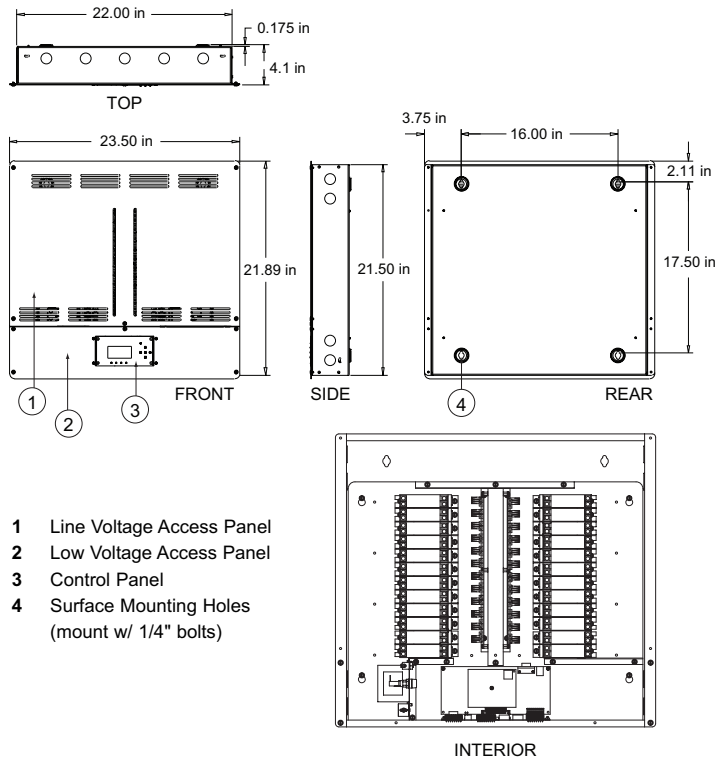
Product  
Specifications

## Specifications

|                          |                                                                                                                                                                                                            |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of Circuits:      | 24 Max<br>(Individually replaceable 20A latching relays)                                                                                                                                                   |
| Relay Type & Rating:     | 20A High-Performance Single-Pole Latching or<br>20A High-Performance Double-Pole Latching,<br>277VAC, 347VAC, 50-60Hz, 1.5HP @ 277VAC                                                                      |
| AIC Rating:              | 14,000AIC @ 277VAC                                                                                                                                                                                         |
| Load Types:              | Incandescent (Tungsten, Halogen), Magnetic<br>Low-Voltage, Electronic Low-Voltage, Neon, Non-<br>Dim, Fluorescent, HID, LED, Motors                                                                        |
| Control via:             | Internal Astronomical Timeclock<br>Lyteswitch and/or Lytemode Button Stations<br>IntelliSight Occupancy Sensors<br>IntelliSight Photocells<br>DMX512<br>Pathport DMX512 via Ethernet<br>BACnet or LonWorks |
| Relay Operating Voltage: | Mix 120VAC, 240VAC, 277VAC and 347VAC<br>(requires optional LSW Voltage Barrier Kit)                                                                                                                       |
| Panel Operating Voltage: | 120VAC Standard, Universal Voltage Model<br>supports 120VAC, 277VAC, and 347VAC                                                                                                                            |
| Operating Temperature:   | -10° to 60° C (-15° to 140° F)                                                                                                                                                                             |
| Operating Humidity:      | 10% to 90% (Non-condensing)                                                                                                                                                                                |
| Mounting:                | Surface or Recessed                                                                                                                                                                                        |
| Enclosure:               | NEMA Type 1                                                                                                                                                                                                |
| Compliance:              | CSA listed to UL508 and UL924 (option)                                                                                                                                                                     |

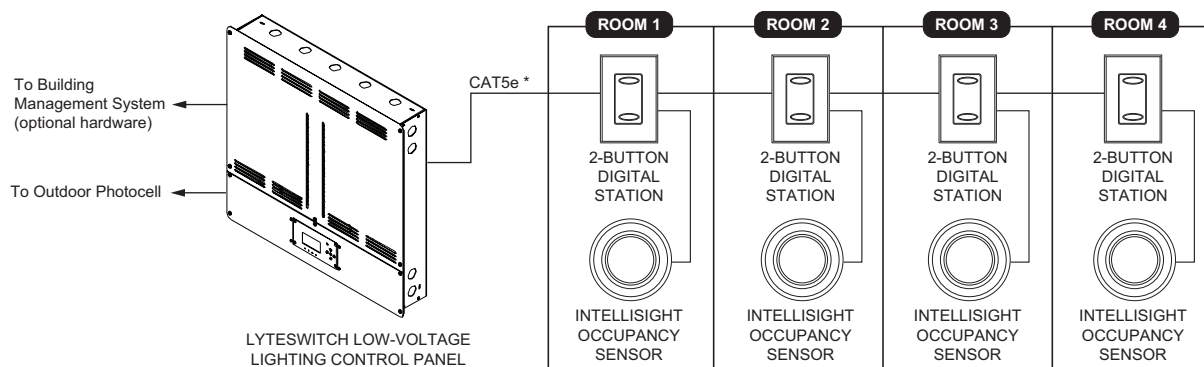
This Lyteswitch product meets California Energy Commission's appliance efficiency regulations for Title 24 for use in commercial and residential applications.

## Dimensions & Components



- 1 Line Voltage Access Panel
- 2 Low Voltage Access Panel
- 3 Control Panel
- 4 Surface Mounting Holes (mount w/ 1/4" bolts)

## System Wiring Diagram



\* CAT5e wire carries both control data and control station power.

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Made in U.S.A.

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