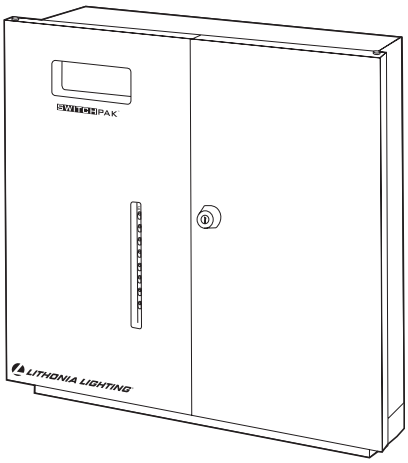
Synergy®
LIGHTING CONTROLS

Catalog Number	
Notes	Type

FEATURES

SwitchPak™ Lighting Control Panel

SPAK



SWITCHPAK™

SwitchPak™ is a compact, self-contained lighting controller providing flexible time schedule control and override for 8 lighting circuits. The standard relays are rated to directly switch 20A lighting loads eliminating the need for external contactors, relays and time clocks. Low voltage override switches, motion sensors, and an analog photocell may be assigned to control the relays via simple programming.

The BAS option adds native BACnet MSTP communication to provide quick and easy integration with native BACnet building automation systems.

- Integral 7-day time-clock
- Warn-before-off feature
- Astronomic and automatic DST functions
- 99 daily schedules
- 32 holiday schedules
- NEMA 1 enclosure with locking door
- Separate low voltage and line voltage compartments with barrier
- Eight 20A single-pole or four 30A double-pole relays
- LCD display with English prompts
- Assignable switch timers
- Eight low voltage switch inputs
- Eight pilot light outputs for override switches or external devices
- One analog photocell input
- System remote feature allows unit to function as transmitter (master) or as a receiver for centralized scheduling and input control of up to eight zones
- ON / AUTO / OFF override switch
- Multi-tap 120/277 operation
- UL and CUL listed, CEC certified

ORDERING INFORMATION

Example: **SPAK 8S 120/277**

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line. Order accessories as separate catalog number.

SPAK		120/277	
Series	**Relays/Poles**	**Voltage**	**Options**
SPAK SwitchPak	**8S** Eight single-pole, 20A relays **4S2D** Four single-pole, 20A relays and two double-pole, 30A relays	**120/277** 120/277 volts dual voltage	**BAS** Native BACnet MSTP ready

Accessories

Order as separate item.

LSA APS OL	Analog photocell (outdoor mounting)
LSA APS IN	Analog photocell (indoor mounting)
LVPS	Override switch
LVRS	Override switch
SPAK HVB	High voltage barrier kit to divide the high voltage compartment into two sections
SSPL	Sweepswitch – line voltage override switch
SPAK 4S/2D CONVERSION KIT	Two double-pole, 30A relay conversion kit; replaces 4S relay card

SPAK SwitchPak™ Lighting Control Panel

SPECIFICATIONS

HOUSING

- Surface mount, NEMA 1 (Consult factory for additional NEMA enclosures). 18-gauge CRS with hinged, locking door.
- Separate line and low voltage compartments.

OPERATING VOLTAGE

- 120/277, 50-60Hz multi-tap power supply.

RELAYS

- Eight SPST, normally open (default), enclosed silver alloy contacts rated 20A at 277VAC.
- Two or four DPST with normally open (default), enclosed silver alloy contacts rated 30A at 600VAC.
- SPST relays meet NEC 110.10 10kA SCCR requirements.
- Expected life: 10 million mechanical operations.

ENVIRONMENTAL

- Operation and storage temperature: 32-104°F (0-40°C).
- Humidity: 10–90% non-condensing.

PROGRAMMER

- Built-in navigational keys.
- Integral switch override via keypad.
- Integral relay override via keypad.

OVERRIDES

- Eight low voltage Class 2 switch inputs (momentary three-wire, momentary two-wire, or maintained contact), assign to relays through programming, adjust time-out value per switch input (1-999 minutes), time-out to scheduled state.
- Eight pilot light outputs for remote override switches.
- One analog low voltage Class 2 photocell input with 100 set points.
- Integral 24VDC power supply for sensors or photocell.
- Master ON / AUTO / OFF override.

SCHEDULES

- One 99 daily schedules; 32 holiday schedules.
- Auto daylight savings adjustment.
- Astronomic operation with sunrise/sunset offsets.

WARN OFF

- One-second flash with 1-99 minutes delay before OFF. Operates per relay with schedules and switch overrides.

BACK UP

- All memory stored in nonvolatile RAM.

DISPLAYS

- Integral 4-line, 80-character LCD backlit display. Relay status LEDs visible through front door.

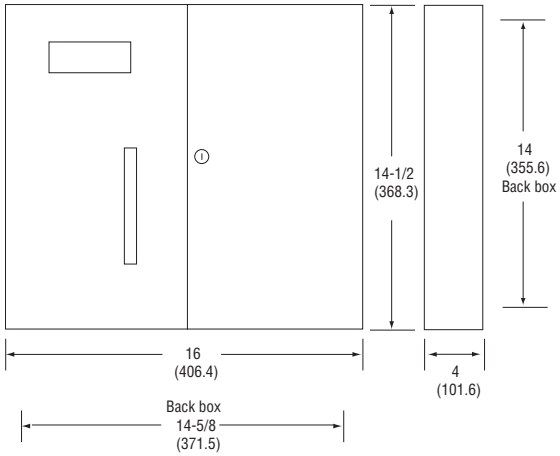
SYSTEM REMOTE *

- Schedules and overrides for up to eight lighting zones can be set up at one SwitchPak specified as the transmitter. These schedules and overrides may then be shared building-wide with additional SwitchPaks configured as receiver units. Commands are shared via a simple two-wire communication bus.
- Local control is not sacrificed since relays in all SwitchPaks still respond to local switch and photocell inputs, adding to the overall flexibility. One transmitter will support up to 32 receivers.

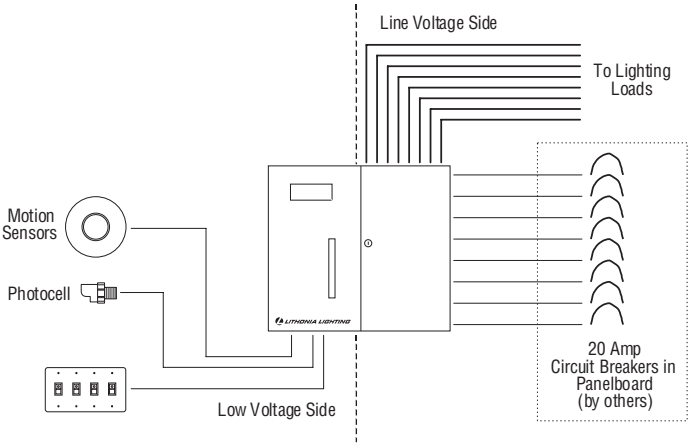
*System remote operation not available with BAS option

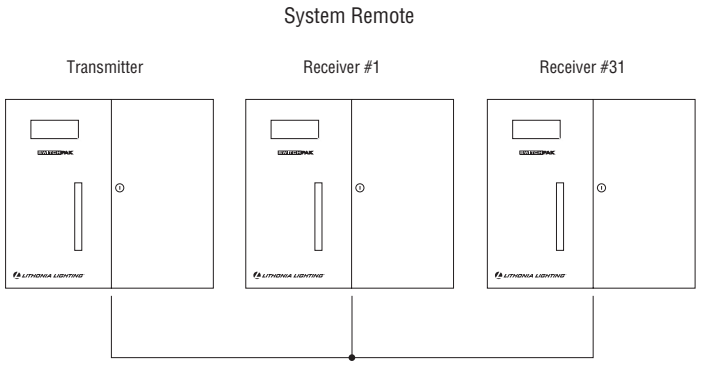
DIMENSIONS

All dimensions are inches (millimeters).



WIRING DIAGRAMS





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