

## Miscellaneous Products



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## LPS Series POWR-Switch



The Littelfuse POWR-Switch provides a simple and economical solution for applications that require selective coordination and shunt trip capabilities. Common applications include elevator circuits, data processing rooms, and building emergency systems.

By utilizing Class J time-delay fuses, the POWR-Switch is easily coordinated with other system overcurrent devices. The shunt trip capability allows the POWR-Switch to meet the ANSI/ASME standard that requires power to be automatically disconnected before water is turned on by the fire safety system. The POWR-Switch also features pre-wired control circuits that can help reduce installation costs.

### Standard Features

- 600V 3-pole fuse power switch
- 200,000 RMS interrupting rating
- Shunt trip 120V
- Control power terminal block
- Ground lug per NEC
- Class J fuse block
- NEMA 1 enclosures

### Optional Features

- Control power transformer with fuses and blocks
- Fire safety interface relay
- Key to test switch
- Pilot light "On"
- Isolated neutral lug
- Mechanical interlock auxiliary contact for hydraulic elevators with automatic recall (5 amp 120 VAC rated)
- Fire alarm voltage monitoring relay
- NEMA 3R, 4, and 12 enclosures

### Benefits

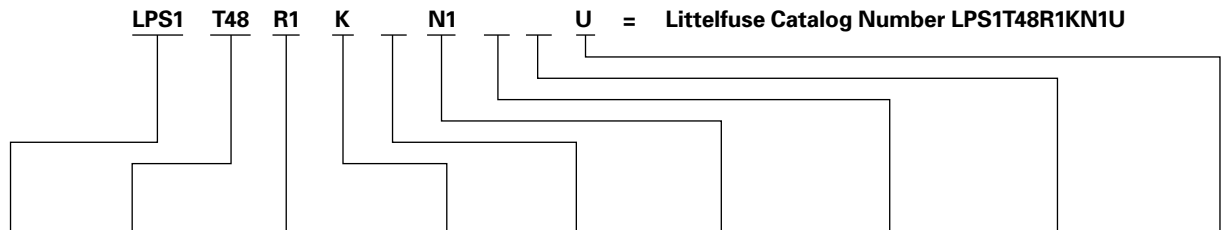
- Optional features offer flexibility for a variety of applications
- UL Listed package
- Lower installation costs than systems with many separate components
- Pre-wired control circuits lower installation time
- Lockable Operating handle meets all code and safety requirements
- No confusion over which building trade is supplying the components
- POWR-Switch is a single unit, which makes procurement easier than systems with multiple components

## LPS Series POWR-Switch

### Ordering Information

Complete catalog numbers consist of switch catalog numbers and the desired options. See example below.

#### Example Catalog Number:



Littelfuse Switch Catalog Number		Control Power Transformer Std. 100VA with PRI & SEC Fuse (120V Sec.)		Fire Safety Interface Relay (3PDT, 10amp, 120V)		Key to Test Switch		Pilot Light "ON"		Isolated Neutral Lug		Mechanical Interlock Auxilliary Contact for Hydraulic Elevators w/ Automatic Recall (5 amp 120 VAC rated)		Fire Alarm Voltage Monitoring Relay (To Monitor Shunt Trip Voltage)		Optional Enclosures	
Catalog No.	Rating	Rating	Option Code	Rating	Option Code	Rating	Option Code	Rating	Option Code	Rating	Option Code	Rating	Option Code	Rating	Option Code	Rating	Option Code
LPS3	30A	208V	T20	24 VDC Coil	R2	120V	K	Red	R	30-60A	N6	1 NO & 1 NC	A	Single Pole	F1	NEMA 3R	U
LPS6	60A	240V	T24	120 VAC Coil	R1			Green	G	100A	N1	2 NO & 2 NC	B	Three Pole	F3	NEMA 4	Y
LPS1	100A	480V	T48					White	W	200A	N2					NEMA 12	Z
LPS2	200A	600V	T60							400A	N4						
LPS4	400A																

*Note: Desired options must appear in the order shown above. Typical options include Control Power Transformer, Fire Safety Interface Relay, Mechanical Interlock Auxiliary Contact and Fire Alarm Voltage Monitoring Relay.*

### Enclosure Dimensions

Catalog Series	Amp Rating	NEMA 1 Dimensions	NEMA 3R Dimensions	NEMA 4, 12 Dimensions	Lug Size
LPS3	30	24"H x 20"W x 9"D	24"H* x 20"W x 8"D	24"H x 20"W x 10"D	#14 - #8 AL or CU
LPS6	60	24"H x 20"W x 9"D	24"H* x 20"W x 8"D	24"H x 20"W x 10"D	#14 - #2 AL or CU
LPS1	100	24"H x 20"W x 9"D	24"H* x 20"W x 8"D	24"H x 20"W x 10"D	#8 - 1/0 AL or CU
LPS2	200	30"H x 20"W x 9"D	30"H* x 20"W x 8"D	30"H x 20"W x 10"D	#6 - 250kcmil AL or CU
LPS4	400	48"H x 36"W x 12"D	Contact Factory	Contact Factory	3/0 AL or CU

Note: Over-size enclosures used to accommodate control power transformer, interface relay and terminal blocks.

\*For NEMA 3R enclosures add 2 inches to height for mounting tabs.

### Specifications

**Approvals:** UL Listed and CSA Certified  
**Rating:** 30A, 60A, 100A, 200A, 400A  
**Shunt Trip Ratings:**

Amp Rating	Voltage Rating	Max Inrush	Max Ontime	Momentary Inrush
30-400A	120V, 60Hz	4A	1.5 cycles	140VA

## LPMP Series POWR-Switch Panel

600 Volts • Shunt-Trip Disconnect Switch

NEW



Littelfuse LPMP series POWR-Switch Panel is designed specifically for applications that require shunt-trip capabilities and the need to individually control power for a bank of equipment. The POWR-Switch Panel offers the flexibility to incorporate multiple switches into a panel enclosure and meet all applicable code requirements.

### Standard Features

- UL Listed Package
- NEMA 1 Enclosure
- Fusible Class J Switches (rated 30-400 amps)
- 200,000 amp RMS Short-Circuit Rating

### Optional Features

- Control Power Transformers
- Fire Safety Interface Relay
- Key to Test Switch
- Pilot Light "On"
- Mechanical Interlock Auxiliary Contact (for hydraulic elevators with recall)
- Fire Alarm Voltage Monitor Relay
- NEMA 3R Enclosures

### Ordering Information

#### Catalog Numbers

LPMP 400  
LPMP 600  
LPMP 800

### Specifications

<b>Voltage Rating:</b>	600V
<b>Short-Circuit Rating:</b>	200,000 amps RMS
<b>Ampere Ratings:</b>	400, 600, 800A
<b>Approvals:</b>	UL Listed to UL 67 Panelboards and UL 891 Dead Front Switches

## LPMP Series POWR-Switch Panel

### 600 Volts • Shunt-Trip Disconnect Switch

#### Panel Spacing

	Main Lugs Only	
6X	Accessory Bucket	
4X	30A Switch	30A Switch
4X	60A Switch	60A Switch
4X	100A Switch	100A Switch
6X	200A Switch	200A Switch
6X	Accessory Bucket	
12X	400A Switch	
	Thru-Feed Lugs	

Note: Main Lug Only is standard.  
One Accessory bucket is required for every four switch units.

#### Standard Panel Dimensions

Panel Rating	Dimensions (in.) H x W x D	Available Space (X units)	
		3W	4W
400 A	57 x 40 x 12	18X	16X
600 A	73.5 x 40 x 12	26X	24X
800 A	90 x 40 x 12	38X	35X

Note: "X" Space = 1½ inches (refers to height only)

#### Main Lug Terminal Information

Panel Rating	Cond. /Phase	Wire Range	Bending Space	
			Top/Bot.	Side
400 A	(2)	# 6 - 300 kcmil Al or Cu	11.31"	10.00"
	(1)	3/0 - 750 kcmil Al or Cu		
600 A	(2)	3/0 - 500 kcmil Al or Cu	11.31"	10.00"
800 A	(3)	3/0 - 500 kcmil Al or Cu	11.31"	10.00"
	(2)	3/0 - 750 kcmil Al or Cu		

Note: Local codes may change minimum wire bends.

#### POWR-Switch Panel "Bucket" Options

Bucket/Switch Rating	Description	Space	Conductors Per Phase	Wire Range
30/30	Twin 30 amp switches	4X	(1)	# 14 - # 8 Al or Cu
30/Blank	Single 30 amp switch	4X	(1)	# 14 - # 8 Al or Cu
60/60	Twin 60 amp switches	4X	(1)	# 14 - # 2 Al or Cu
60/Blank	Single 60 amp switch	4X	(1)	# 14 - # 2 Al or Cu
100/100	Twin 100 amp switches	4X	(1)	# 8 - 1/0 Al or Cu
100/Blank	Single 100 amp switch	4X	(1)	# 8 - 1/0 Al or Cu
200/200	Twin 200 amp switches	6X	(1)	# 6 - 250 kcmil Al or Cu
200/Blank	Single 200 amp switch	6X	(1)	# 6 - 250 kcmil Al or Cu
400	Single 400 amp switch	12X	(2)	3/0 - 750 kcmil Al or Cu
Accessory	Contains CPT, Pilot Lights, etc.	6X	N/A	N/A

## Disconnect Switches

### Fusible/Non-fusible



The LFFS series fusible switches eliminate the need for a separate fuse block by integrating a three pole fuse holder into the switch body. This saves precious panel space and reduces wiring time. These rod-operated devices are UL Listed and CSA Certified.

### Applications

Littelfuse disconnect switches are perfect for use where the National Electrical Code requires that a separate disconnect means be located within sight of all motor loads. Commonly used as a main switch or distribution switches, these units are also ideal for use as safety switches for air conditioners, pumps and compressors. The LFDS series disconnect switches can be used with external fuse blocks, permitting the use of Class RK1, RK5, J and CC fuses.

### Features/Benefits

- **Reduce panel costs** – Compact size minimizes panel space and reduces enclosure costs. The fusible 30 amp Class CC switch is the smallest available in the market.
- **Reduce installation time** – Panel-mount or integral DIN rail-mount allows quick and easy mounting.
- **Flexible design** – Optional accessories offer flexibility for various applications.
- **Protect personnel** – Dead-front design and optional terminal covers minimizes exposure to live parts.
- **Lockable operator knob/handle** – LFRK001 style knob meets OSHA standard for control of hazardous energy sources. Other knobs and handles meet IP65.

### Specifications

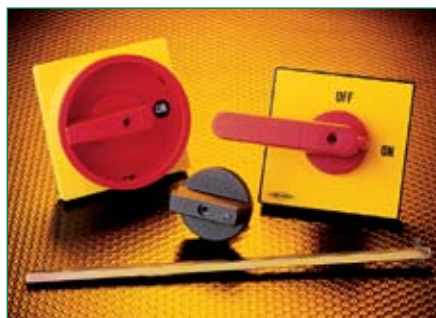
<b>Voltage:</b>	600VAC
<b>Interrupting Rating:</b>	10,000 amperes
<b>Required Screw Torque:</b>	16 inch pounds
<b>Ampere Ratings:</b>	30–100 Amperes
<b>Approvals:</b>	UL Listed (File No. E166081) CSA Certified

### Ordering Information

Part Number	Description
LFFS030CC	30A Fusible Class CC Switch
LFDS030	30A Non-Fusible Switch
LFDS040	40A Non-Fusible Switch
LFDS060	60A Non-Fusible Switch
LFDS100	100A Non-Fusible Switch

*Note: Handles and accessories sold separately.*

### Accessories



LFRH001*	Red Handle
LFRK001*	Red Knob
LFBH001*	Black Handle
LFBK001*	Black Knob
LFBK002**	Black Knob
SHFT002	Shaft (19.68")
SHFT003	Shaft (11.81")
SHFT005	Shaft (7.78")



LFCB001	Add-on Contact Block (N.O.)
LFCB002	Add-on Contact Block (N.C.)
LFCB003	100A Add-on Contact Block (N.C.)
LFCB004	100A Add-on Contact Block (N.C.)
LFPP001	30A Add-on Power Pole (N.O.)
LFPP002	30A Add-on Power Pole (N.C.)



LFTC001	Terminal Cover (1 Pair)
LFTC002	LFDS030 Terminal Cover (1 Pair)
LFTC003	LFDS100 Terminal Cover (1 Pair)

\* Includes mounting hardware and standard length shaft for enclosures 3.5" through 8" deep.

\*\* Supplied with 2" shaft

*Note: LFRH001, LFBH001, LFBK001 and LFBK002 are not lockable.*



## Miscellaneous Products

### Fuse Reducers



Littelfuse fuse reducers allow smaller size fuses to be installed into existing fuse clips to prevent overfusing.

- Allows lower ampere-rated fuses to be used in existing fuse clips.
- Simple installation.
- Reduces inventory requirements.
- Silver brazed joints for maximum strength.
- UL Listed (File No. E136855) CSA Certified (File No. LR92899)

Refer to fuse section of this catalog for fuse dimensions.

#### Class H/K5 Fuse Reducers

For use with Littelfuse NLN/NLS and RLN/RLS series fuses.

##### 250 Volt

Part No. (pair)	Fuse Clip	Fuse Case Size
LRU 263 M	60A	30A
LRU 213 M	100A	30A
LRU 216	100A	60A
LRU 226	200A	60A
LRU 2621	200A	100A
LRU 2641	400A	100A
LRU 2642	400A	200A
LRU 2661	600A	100A
LRU 2662	600A	200A
LRU 2664	600A	400A

##### 600 Volt

Part No. (pair)	Fuse Clip	Fuse Case Size
LRU 663 M	60A	30A
LRU 216	100A	30A
LRU 616	100A	60A
LRU 626	200A	60A
LRU 2621	200A	100A
LRU 2641	400A	100A
LRU 2642	400A	200A
LRU 2661	600A	100A
LRU 2662	600A	200A
LRU 2664	600A	400A

#### Class R Fuse Reducers

For use with Littelfuse FLNR\_ID/FLSR\_ID, IDSR, LLNRK/LLSRK, LLSRK\_ID, and KLNK/KLSR series fuses.

##### 250 Volt

Part No. (pair)	Fuse Clip	Fuse Case Size
LRU 263 R	60A	30A
LRU 213 R	100A	30A
LRU 216 R	100A	60A
LRU 226 R	200A	60A
LRU 2621 R	200A	100A
LRU 2641 R	400A	100A
LRU 2642 R	400A	200A
LRU 2661 R	600A	100A
LRU 2662 R	600A	200A
*LRU 2664 R	600A	400A

\* Only one reducer required.

##### 600 Volt

Part No. (pair)	Fuse Clip	Fuse Case Size
LRU 663 R	60A	30A
LRU 216 R	100A	30A
LRU 616 R	100A	60A
LRU 626 R	200A	60A
LRU 2621 R	200A	100A
LRU 2641 R	400A	100A
LRU 2642 R	400A	200A
LRU 2661 R	600A	100A
LRU 2662 R	600A	200A
*LRU 2664 R	600A	400A

\* Only one reducer required.

#### Class J Fuse Reducers

For use with Littelfuse JTD\_ID/JTD and JLS series fuses.

##### 600 Volt

Part No. (pair)	Fuse Clip	Fuse Case Size
LRUJ63	60A	30A
LRUJ13	100A	30A
LRUJ16*	100A	60A
LRUJ26	200A	60A
LRUJ21	200A	100A
LRUJ41	400A	100A
LRUJ42	400A	200A
LRUJ64	600A	400A

\* Fuse and reducer combination is slightly larger in diameter than 100A Class J fuses. For specific applications, contact factory. Class J reducers can not be used in bolt-on applications.

## Box Cover Units

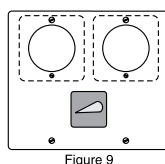
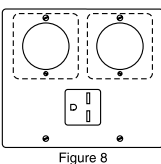
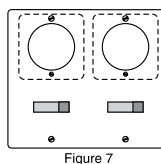
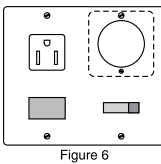
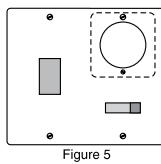
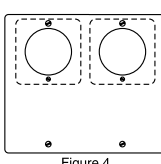
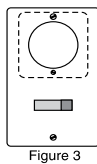
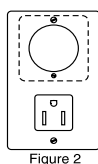
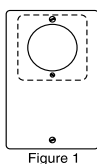


Box cover units provide an economical method of protecting small motors against overcurrent damage. For use with Edison-Base plug fuses (TOO, TLO) or Type S plug fuses (SOO, SLO) with adapters (SAO).

### Specifications

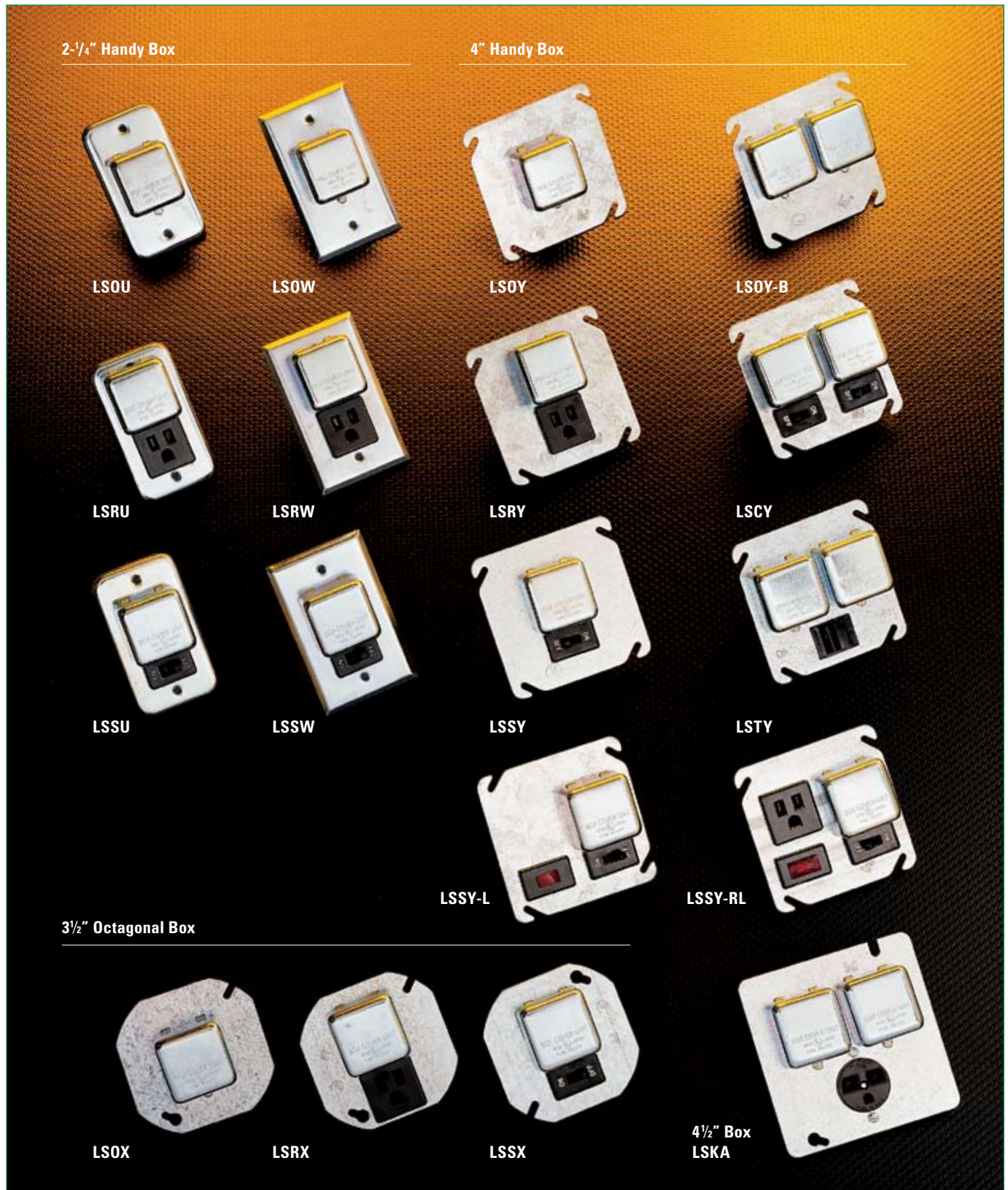
**Voltage:** 125V  
**Ampere Rating:** 15 Amperes  
**Approvals:** UL Listed

Fig. No.	Littelfuse Part No.	Box Cover Features	To Be Mounted On:
1	LSOU	One Edison-Base Fuse Holder	2¼" Handy Box
	LSOW	One Edison-Base Fuse Holder	2¾" Switch Box
	LSOX	One Edison-Base Fuse Holder	4" Octagon Box
	LSOY	One Edison-Base Fuse Holder	4" Square Box
2	LSRU	One Edison-Base Fuse Holder and Grounding Receptacle	2¼" Handy Box
	LSRW	One Edison-Base Fuse Holder and Grounding Receptacle	2¾" Switch Box
	LSRX	One Edison-Base Fuse Holder and Grounding Receptacle	4" Octagon Box
	LSRY	One Edison-Base Fuse Holder and Grounding Receptacle	4" Square Box
3	LSSU	One Edison-Base Fuse Holder and Single Pole Switch	2¼" Handy Box
	LSSW	One Edison-Base Fuse Holder and Single Pole Switch	2¾" Switch Box
	LSSX	One Edison-Base Fuse Holder and Single Pole Switch	4" Octagon Box
	LSSY	One Edison-Base Fuse Holder and Single Pole Switch	4" Square Box
4	LSOY-B	Two Edison-Base Fuse Holders	4" Square Box
5	LSSY-L	One Edison-Base Fuse Holder One Single Pole Switch and Pilot Light	4" Square Box
6	LSSY-RL	One Edison-Base Fuse Holder One Grounding Receptacle One Single Pole Switch and Pilot Light	4" Square Box
7	LSCY	Two Edison-Base Fuse Holders and Two Single Pole Switches	4" Square Box
8	LSKA	Two Edison-Base Fuse Holders One 250V Grounding Receptacle	4 11/16" Square Box
9	LSTY	Two Edison-Base Fuse Holders and One 2-Pole Switch	4" Square Box





## Box Cover Units



## Misc. Products

### Electronic Fuse Display • Spare Fuse Cabinet



#### Spare Fuse Cabinet

Sturdy steel cabinet holds spare fuses. Cabinet can be locked to prevent unauthorized access and is weather stripped to reduce the accumulation of dust, dirt and moisture. Convenient inventory card located inside door. Measures 30"H x 24" W x 12"D. Keyhole mounting holes 16" on center for easy installation.

#### Ordering Information

**Spare Fuse Cabinet:** Part No. LSFC  
**Spare Keys:** Part No. LKEY001



#### Electronic Fuse Display

The sturdy wall-mountable or free-standing modular rack system prominently displays the most popular Littelfuse glass and automotive fuses. Additional sections can be quickly snapped on to provide a larger product selection. Each rack features a cross reference and full color identification guide to help customers locate the proper replacement fuse.

- Holds 720 (144 5-packs) of the most popular glass, ceramic, and automotive fuses.
- Designed to save space—measures 14"H x 9"W x 4"D.
- Suitable for wall or counter mounting.
- Includes cross reference, product identification guide, and back-up card for easy reordering.
- Expandable with modular section that can hold 240 fuses (48 5-packs) per section.

#### Ordering Information

**Fully stocked display:** Littelfuse part number: 094324PG  
 Littelfuse system number: 00940324ZXP  
**Empty display rack:** Littelfuse part number: FDR001PG  
 Littelfuse system number: 0FDR0001ZXP  
**Additional sections:** Littelfuse part number: MRS001PG  
 Littelfuse system number: 0MRS0001ZXP

Fully stocked rack includes the following parts:

3AG (Glass) Fast Acting Fuses		3AG (Glass) Slo-Blo® Fuses		3AB (Ceramic) Normal-Blo Fuses		3AB (Ceramic) Slo-Blo® Fuses	
Quantity	Part No.	Quantity	Part No.	Quantity	Part No.	Quantity	Part No.
25	312 ½A	25	313 ½A	25	314 15A	25	326 8A
50	312 1A	25	313 ¾A	25	314 20A	20	326 10A
25	312 1½A	25	313 1A	25	314 30A		
75	312 2A	25	313 1½A				
25	312 2½A	50	313 2A				
75	312 3A	25	313 2½A				
25	312 4A	25	313 3A				
25	312 5A	25	313 4A				
25	312 10A	25	313 5A				