# Description
The Littelfuse® LPS Series provides a simple and economical solution for applications that require selective coordination and shunt trip capabilities.

Utilizes Class J time-delay fuses that are easily coordinated with other system overcurrent devices. The shunt trip capability allows the LPS Series to meet the ANSI/ASME standard that requires power to be automatically disconnected before water is turned on by the fire safety system.

# Specifications
## (Disconnect Switch)
<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Supply Voltage Rating</strong></td>
<td>208 V, 240 V, 480 V</td>
</tr>
<tr>
<td><strong>Ampere Range</strong></td>
<td>30 A, 60 A, 100 A, 200 A, 400 A</td>
</tr>
<tr>
<td><strong>Enclosures</strong></td>
<td>NEMA 1 (standard)</td>
</tr>
<tr>
<td></td>
<td>NEMA 3R, NEMA 4, NEMA 12 (optional)</td>
</tr>
<tr>
<td><strong>Approvals</strong></td>
<td>UL Listed (File: E219511)</td>
</tr>
</tbody>
</table>

*Contact factory for 600 V options.

## (Shunt Trip)
<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Voltage Rating</strong></td>
<td>120 V, 60 Hz</td>
</tr>
<tr>
<td><strong>Max Inrush</strong></td>
<td>4 A</td>
</tr>
<tr>
<td><strong>Max On time</strong></td>
<td>1.5 cycles</td>
</tr>
<tr>
<td><strong>Momentary Inrush</strong></td>
<td>140 VA</td>
</tr>
<tr>
<td><strong>SCCR</strong></td>
<td>Refer to Operations and Maintenance Manual*</td>
</tr>
</tbody>
</table>

*Contact factory for 400 A panel SCCR

## Features/Benefits
- Pre-engineered single unit, which makes procurement easier than systems with multiple components
- Reduces labor costs up to 66% and total installation costs by over 30%
- Pre-installed UL Listed Class J fuse holder – unique Class J size eliminates the need for any rejection type fuse clips
- Optional features offer flexibility for a variety of applications
- Color coded control power terminal blocks
- UL Listed package
- Cu and Al wire rated
- Pre-wired control circuits lower installation time
- Lockable operating handle meets all code and safety requirements (accepts up to 3 locks)
- Every unit is fully tested before delivery

## Options
- 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 V ac rated)
- Fire alarm voltage monitoring relay
- Enclosure
- Surge Protection Device
- Option to bypass alarm when performing maintenance (-AZ option)
- XPress-Ship™ service offers 48 hours direct shipment service on select fully loaded LPS Series Shunt Trip Disconnect Switches

# Applications
- Elevator circuits
- Data processing rooms
- Building emergency systems

# Web Resources
Download technical information: Littelfuse.com/LPS
## LPS SERIES SHUNT TRIP DISCONNECT SWITCH

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

**Example Catalog Number from Desired Options**

-LPS1
-T20
-R1
-K
-G
-N1
-B
-F3
-U
-S

- AZ = Littelfuse Catalog Number LPS1T20R1KGN1BF3US-AZ

### Dimensions of Enclosure

<table>
<thead>
<tr>
<th>CATALOG SERIES</th>
<th>AMPERE RATING</th>
<th>NEMA 1 DIMENSIONS</th>
<th>NEMA 3R DIMENSIONS</th>
<th>NEMA 4, 12 DIMENSIONS</th>
<th>LUG SIZE</th>
<th>SHIPPING WEIGHT (LBS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LPS3</td>
<td>30</td>
<td>24&quot;H x 20&quot;W x 9&quot;D</td>
<td>24&quot;H x 20&quot;W x 9&quot;D</td>
<td>24&quot;H x 20&quot;W x 10&quot;D</td>
<td>#14 - #6 AL or CU</td>
<td>75</td>
</tr>
<tr>
<td>LPS6</td>
<td>60</td>
<td>24&quot;H x 20&quot;W x 9&quot;D</td>
<td>24&quot;H x 20&quot;W x 9&quot;D</td>
<td>24&quot;H x 20&quot;W x 10&quot;D</td>
<td>#14 - #2 AL or CU</td>
<td>75</td>
</tr>
<tr>
<td>LPS1</td>
<td>100</td>
<td>24&quot;H x 20&quot;W x 9&quot;D</td>
<td>24&quot;H x 20&quot;W x 9&quot;D</td>
<td>24&quot;H x 20&quot;W x 10&quot;D</td>
<td>#6 - #250 kcmil AL or CU</td>
<td>85, 115*, 120**</td>
</tr>
<tr>
<td>LPS2</td>
<td>200</td>
<td>30&quot;H x 20&quot;W x 9&quot;D</td>
<td>30&quot;H x 24&quot;W x 8&quot;D</td>
<td>30&quot;H x 20&quot;W x 10&quot;D</td>
<td>(2) 250 kcmil - 3/0 AL or CU</td>
<td>225</td>
</tr>
<tr>
<td>LPS4</td>
<td>400</td>
<td>48&quot;H x 36&quot;W x 10&quot;D</td>
<td>48&quot;H x 36&quot;W x 12&quot;D</td>
<td>48&quot;H x 36&quot;W x 10&quot;D</td>
<td>#14 - #250 kcmil AL or CU</td>
<td>-</td>
</tr>
</tbody>
</table>

* NEMA 3R
** NEMA 6 & NEMA 12

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

### XPress-Ship™

Littelfuse XPress-Ship™ service offers 48 hours** direct-shipment service on select fully-loaded LPS Series Shunt Trip Disconnect Switches to meet your urgent system requirements on time.

**XPress-Ship™ switches include three JTD_ID Series fuses rated at the device’s maximum ampacity.

**XPress-Ship™ 48 hour service requires ordering from XPress-Ship™ Ordering Numbers shown above and is subject to a maximum of any combination of three switches per customer order.

**XPress-Ship™ service offers 48 hour shipment from the factory through standard ground transportation. For expedited delivery, contact your local Littelfuse Representative.