LIFESAFETY POWER KCLASS POWER SYSTEM OVERVIEW

Dual voltage power management system provides both 16VAC and 12 or 24VDC to power a Keyscan access control system and locks (strikes or maglocks). Two 8 output power limited power distribution boards are provided for the dual AC input required by Keyscan. One 8 output DC power distribution board provides lock circuit and auxiliary power fused at 3A per zone. Fire alarm interface is available on an individual output basis for control of egress locks, if required. The power distribution modules are power limited for use with the Keyscan panels.

This unit is a typical example of many Listed configurations that may be generated within the FlexPower system.

DC POWER SUPPLY FEATURES

- Microprocessor dual rate charging restores battery sets up to 40 Ah
- Multiple outputs for system power, direct lock control and accessory power distribution modules
- Fire alarm interface for egress lock control (FAI)
- Configurable failsafe / failsecure modes of operation
- Comprehensive fault detection and reporting including optional earth ground and battery presence
- Programmable AC and System fault delays
- Optional network connectivity for offsite diagnostics, battery management, and trouble / service email alerts
- ATM automotive style fuses

Power Management & Reporting (patent pending)

- PowerCom s/w monitors, programs, and reports on power supply core functions through a computer USB or network connection
- Service personnel can perform onsite power supply programming and system diagnostics using the DL1 USB cable and a computer laptop
- NL1 network module connects power supply to a LAN/WAN network for remote power supply programming and diagnostics. Monitors and reports system status, battery state, generates email or SNMP notification of system trouble or time to service alert

AC POWER FEATURES

- 200VA low voltage transformer
- Dual 16VAC isolated outputs are individually protected
- Each output is rated for 2.5A Class 2, Power limited and provides visual indication of output voltage

ORDERING

The specific LifeSafety Power KClass part number on this application note is

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Mechanical Info</th>
</tr>
</thead>
<tbody>
<tr>
<td>KS75-D8E2</td>
<td>75W lock power, 8 out fused</td>
</tr>
<tr>
<td>KS150-D8E2</td>
<td>150W lock power, 8 out fused</td>
</tr>
<tr>
<td>KS250-D8E2</td>
<td>250W lock power, 8 out fused</td>
</tr>
<tr>
<td>KS75-D8PE2</td>
<td>75W lock power, 8 out Class 2 power limited</td>
</tr>
<tr>
<td>KS150-D8PE2</td>
<td>150W lock power, 8 out Class 2 power limited</td>
</tr>
<tr>
<td>KS250-D8PE2</td>
<td>250W lock power, 8 out Class 2 power limited</td>
</tr>
</tbody>
</table>

Other LifeSafety Power KClass Model Numbers for Keyscan

- KS75-D8E2: 75W lock power, 8 out fused
- KS150-D8E2: 150W lock power, 8 out fused
- KS250-D8E2: 250W lock power, 8 out fused
- KS75-D8PE2: 75W lock power, 8 out Class 2 power limited
- KS150-D8PE2: 150W lock power, 8 out Class 2 power limited
- KS250-D8PE2: 250W lock power, 8 out Class 2 power limited
TRADITIONAL POWER METHOD

Important: All information, including illustrations, is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their particular application. LifeSafety Power makes no warranties as to the accuracy or completeness of the information, and disclaims any liability regarding its use. LifeSafety Power’s only obligations are those in the LifeSafety Power Standard Terms and Conditions of Sale for this product, and in no case will LifeSafety Power or its distributors be liable for any incidental, indirect, or consequential damages arising from the sale, resale, use, or misuse of the product. Specifications are subject to change without notice. In addition, LifeSafety Power reserves the right to make changes—without notification to Buyer—to processing or materials that do not affect compliance with any applicable specification.