Type SVV Voltage Relay

Application
The SVV is a solid state voltage relay which can be used for over or undervoltage applications (Dev 27/59). One of the advantages of this relay is that it may be applied with voltage continuously near pickup without the problems of chatter, welding, or bonding of the contacts.

An application for this relay is for torque control of a separate overcurrent relay. The SVV has the following characteristics:

- **DC Input:** 125 Vdc or 48 Vdc
- **AC Input:** 132 Vac maximum continuous
- **Output:** N.O. or N.C. contact (10 Amps @ 240 Vac, 30 Vdc)
- **Trip Setting:** 35-85 Vac adjustable
- **Accuracy:** 1.0%
- **Dropout Ratio:** 97%
- **Operate Time:** Pickup 20-25 msec.
- **Temperature Range:** -20 to +55 Degrees C.
- **Frequency Range:** 55-65 Hertz

For further information regarding the SVV voltage relay, refer to I.L. 41-766.6.

### Instantaneous Solid State Voltage Relay (Device 27/59)

<table>
<thead>
<tr>
<th>Type</th>
<th>Frequency: Hertz</th>
<th>Contacts</th>
<th>Adjustable Range: Volts Ac</th>
<th>Dropout Ratio</th>
<th>Power Supply Voltage</th>
<th>Relay Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>SVV</td>
<td>55-65</td>
<td>1 N.O. or 1 N.C.</td>
<td>35-85</td>
<td>97%</td>
<td>125 Vdc 48 Vdc</td>
<td>1611C98</td>
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<td></td>
<td>SVV1A1A SVV4A1A</td>
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<td></td>
<td>Case Size: 7.75&quot; x 5.25&quot; x 3.3</td>
<td>Weight = 3.24 lbs.</td>
</tr>
</tbody>
</table>
Figure 1. Internal Schematic 1611C98

Figure 2. Outline Drawing