Components of the Manual Voltage Control (MVC) Module include a three-position switch and a variable autotransformer. With the switch placed in MANUAL, the automatic voltage regulator is removed from the line and the generator voltage is controlled manually by the Manual Voltage Adjust autotransformer. When placed in AUTOMATIC position, the generator voltage is controlled by the automatic voltage regulator. Complete system shutdown occurs when the switch is placed in the OFF position. With the switch in either the MANUAL or OFF position, all terminals of the regulator are rendered *maintenance safe* and the regulator may be removed from the system. The MVC is designed for either back-of-panel or door mounting. The cover plate is removable for front panel use in door mounted applications.  

* Does not apply to MVC302.

**FEATURES:**

- Designed specifically for use with Basler voltage regulators
- When in the OFF mode, completely disconnects associated voltage regulator*
- CSA certified (MVC104 and MVC108)
- Rugged construction
- 18-month warranty

**APPLICATIONS:**

The Manual Voltage Control Modules allow generator voltage to be controlled either manually or automatically. They also provide a convenient and safe method of system voltage shutdown. A typical application is represented schematically in Figure 1.

**HOW TO ORDER:**

<table>
<thead>
<tr>
<th>When using this Basler voltage regulator</th>
<th>Order this model MVC</th>
<th>Max. DC volts</th>
<th>Continuous DC amps</th>
</tr>
</thead>
<tbody>
<tr>
<td>SR32A</td>
<td>MVC232</td>
<td>55</td>
<td>20</td>
</tr>
<tr>
<td>KR2F, KR2FF</td>
<td>MVC302</td>
<td>50</td>
<td>8</td>
</tr>
</tbody>
</table>

Basler Electric

ROUTE 143, BOX 269 HIGHLAND, ILLINOIS 62249, U.S.A. PHONE 618-654-2341 FAX 618-654-2351

www.ElectricalPartManuals.com
MANUAL VOLTAGE CONTROL MODULES

SPECIFICATIONS:

OUTPUT RATINGS: See “How To Order”.

AMBIENT OPERATING TEMPERATURE: −40° to +50°C (−40°F to +122°F).

VIBRATION AND SHOCK: Suitable for switchgear mounting.

DIMENSIONS: See Figures 3 and 4.

WEIGHT:
- Model MVC 104: 29 lbs. net
- Models MVC 108 and 232: 36 lbs. net
- Model MVC 302: 19 lbs. net

FIGURE 1 - TYPICAL INTERCONNECTION DIAGRAM FOR MVC – SR VOLTAGE REGULATOR

NOTE: This drawing is NOT intended for installation purposes. Refer to Operation Manual received with equipment for proper installation drawings.

FIGURE 2 - OUTLINE AND MOUNTING DIMENSIONS FOR MVC – 104, 108, AND 232

FIGURE 3 - OUTLINE AND MOUNTING DIMENSIONS FOR MVC 302

“All drawings and data subject to change without notice.”