The MAT attachment to Kepco's PBX models provides meters (two, for voltage and current); adjustment, (a multturn voltage control); and terminals (pin jacks).

**SPECIFICATIONS:** Same as for regular PBX Models; see Kepco Catalog B-663.

**CASES:**
- CA-3: Single slot housing w/plug board ... $18.00
- CA-4: Double slot housing w/plug board ... 24.00
- CA-5: Triple slot housing w/plug board ... 30.00

**RACK CABINET:**
- RA-22-6: Six slot housing w/ plug board* $20.00
- RFP 22-1: Single filler panel for RA 22-6 5.00
- RFP 22-2: Double filler panel for RA 22-6 5.00
- RFP 22-3: Triple filler panel for RA 22-6 5.00
- BPA-22: Blank panel assy. w/slide plate 10.00
- PC-2: Plug-in adapter ........................ 8.00

*For plug-in convenience in the RA-22-6, use (1) PC-2 per slot.
KEPCO

OVERVOLTAGE PROTECTORS

Independently powered overvoltage crowbar prevents the output voltage from exceeding a preset voltage under any failure condition. The crowbar shorts the output through a Silicon Controlled Rectifier (SCR).

<table>
<thead>
<tr>
<th>MODELS</th>
<th>USE WITH</th>
<th>PRICE**</th>
</tr>
</thead>
<tbody>
<tr>
<td>VP-PAR</td>
<td>ALL KEPCO PAR MODELS, 3–80V DC</td>
<td>$65.00</td>
</tr>
<tr>
<td>VP-PWR</td>
<td>ALL KEPCO PWR MODELS, 3–80V DC</td>
<td>$65.00</td>
</tr>
<tr>
<td>VP-PX-1</td>
<td>KEPCO PAX &amp; PBX MODELS, 3–80V DC</td>
<td>$65.00</td>
</tr>
<tr>
<td>VP-PX-2</td>
<td>KEPCO PAX &amp; PBX MODELS, 3–160V DC</td>
<td>$65.00</td>
</tr>
</tbody>
</table>

**Power supplies may be ordered with the overvoltage protector factory-installed. Charges are $25.00 each for 1 thru 11, $10.00 each for 12 thru 20, and $3.00 each for 24 or more.

SPECIFICATIONS:
Operating Level:
The trigger point may be set to within 5% or 0.25V of power supply setting.

Temperature Coefficient:
0.1% or 0.1V/°C per °C.

(whichever is greater)

REMOTE ERROR SENSING:
Compensates up to 1 volt per output lead.

Triggering Time, (adjustable delay):

<table>
<thead>
<tr>
<th>RANGE OF ADJUSTMENT</th>
<th>AMOUNT OF OVERVOLTAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 to 30 microseconds</td>
<td>20% or 1 volt</td>
</tr>
<tr>
<td>20 to 60 microseconds</td>
<td>10% or 0.5 volt</td>
</tr>
<tr>
<td>40 to 120 microseconds</td>
<td>5% or 0.25 volt</td>
</tr>
</tbody>
</table>

All terms used in the specifications are defined in the Kepco Glossary. Refer to Kepco's Catalog or Handbook.

KEPCO, INC. • 131-38 SANFORD AVENUE • FLUSHING, N.Y. 11352 • (212) 461-7000 • TWX 710-582-2631 • Cable: KEPCOPOWER NEW YORK

PATENT NOTICE: Applicable Patent Nos. will be supplied on request.
### MODEL OPS 2000 – 0-2000V / 0-10mA

<table>
<thead>
<tr>
<th>SPECIFICATION</th>
<th>OFFSET VOLTAGE (ΔV&lt;sub&gt;0&lt;/sub&gt;)</th>
<th>OFFSET CURRENT (ΔI&lt;sub&gt;0&lt;/sub&gt;)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LINE: (105-125V AC)</td>
<td>&lt;100 microvolts</td>
<td>&lt;10 nanoamperes</td>
</tr>
<tr>
<td>LOAD: No load/full load</td>
<td>&lt;1 millivolt</td>
<td>&lt;10 nanoamperes</td>
</tr>
<tr>
<td>TIME: (8 hr.) (Stability)</td>
<td>&lt;10 microvolts</td>
<td>&lt;50 nanoamperes</td>
</tr>
<tr>
<td>TEMP.: Per C (Coefficient)</td>
<td>&lt;50 microvolts</td>
<td>&lt;50 nanoamperes</td>
</tr>
</tbody>
</table>

*ΔV<sub>0</sub> is the offset voltage. ΔI<sub>0</sub> is the offset current referred to the input of the voltage comparison amplifier.

OUTPUT: 0-2000V DC, 0-10 milliamperes

SLEWING RATE: 500,000 volts per second.

DC VOLTAGE GAIN: 80 db.

RIPPLE: 60 db below peak output or 3 millivolts.*

**CAUTION:** HIGH VOLTAGE

**OPERATIONAL POWER SUPPLY 0-2000 V 0-10 MA**

**ADJUSTMENTS**
- CURRENT CONTROL
- VOLTAGE NULLING
- CURRENT MULLING
- CURRENT CONTROL CAL
- AC STABILITY
- REGULATOR COMPENSATOR

**USE INCLUDED TOOL ONLY**

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*Data subject to change without notice.

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