**STEP ONE**

> Connect PFC to DPM per diagram:

![Diagram of PFC to DPM connection](image)

<table>
<thead>
<tr>
<th>PFC WIRE COLORS</th>
<th>CONNECT #</th>
<th>WIRES</th>
<th>6” LEADS</th>
<th>PLUG</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6</td>
<td>PFC power (input)</td>
<td>red</td>
<td>blue</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>ground</td>
<td>black</td>
<td>black</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>signal (output)</td>
<td>white</td>
<td>brown</td>
</tr>
</tbody>
</table>

**STEP TWO**

> Connect DPM to 120 VAC at 1 & 2

**STEP THREE**

> Calibrate PFC to DPM. This will calibrate DPM to readout in desired units, such as displacement.

> Press **PAR** button - **Pro** appears on display.

> Press **F1△** button - [image]

> Press **PAR** button several times until display reads **ST YLE**

> Press **F1△** to **RPY L**, then **PAR**

The information presented is in Bimba’s best engineering opinion and should be used for reference only. Recommendations derived should be verified under actual operating conditions. Bimba reserves the right to change specifications without prior notice.
Be careful not to press \[\text{DSP}\], this cancels program mode. Pressing \[\text{DSP}\] more than once will cause display to change to max., min., or tot.

> Retract cylinder to zero position, let display settle. After cylinder is retracted and display settle, press \[\text{PAR}\] to accept voltage input for zero readout. (The display will alternate between \[\text{L-\,inP}\] and voltage reading.)

> After \[\text{PAR}\] is pressed, display alternates between \[\text{DSP}\] and display value.

> Press \[\text{F1}\uparrow\] or \[\text{F2}\downarrow\] until display reads required display value (typically zero).

> Press \[\text{PAR}\] to accept retract value.

Note: Press \[\text{RST}\] and \[\text{F1}\uparrow\] or \[\text{F2}\downarrow\] together to make display count faster.

> Extend cylinder to full scale position, let display settle. The display will alternate between \[\text{inP2}\] and voltage reading. Once voltage display is steady, press \[\text{PAR}\]. This accepts voltage input for full scale readout.

> Press \[\text{F1}\uparrow\] or \[\text{F2}\downarrow\] until display reads desired value. This may be full scale value of cylinder or gage point. Press \[\text{PAR}\] to accept full scale value.

**STEP FOUR**

> Press \[\text{DSP}\] to end program mode.

Your unit is now calibrated to the PFC. You can verify this by retracting unit to your zero point and check display. Then extend to full scale point and check display. The display readings should correspond to the calibration values.
ANALOG OUTPUT CALIBRATION
FOR DPM UNITS WITH AN ANALOG OUTPUT CARD
(Set analog output to 0-10 VDC)

STEP ONE

> Connect output wiring to 16 V+ and 17 GND.

STEP TWO

Sets analog output 0-10 VDC full scale

> Press [PAR], then [F1▲] until [8·OUT] appears on display.
> Press [PAR] until [8·HI] displays, then press [F1▲] to match full scale on display.

For example: if 6.000 is full scale from section [8·LO] then enter 6000 in [8·HI]

> Press [PAR] to accept [DSP] to end.

This sets output to 10 VDC when display shows 6.000.

Refer to DPM Manual (DPM-498) for further details.