










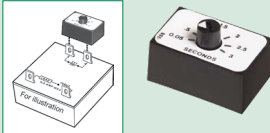





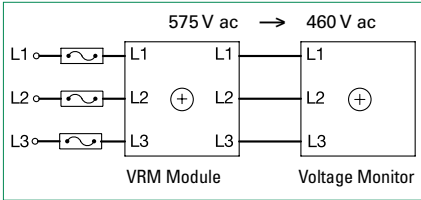
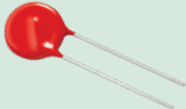
# ELECTRICAL

ELECTRICAL ACCESSORIES																																			
Product	Features	Accessory For																																	
<p><b>PGA-1100.0010</b> Diode Logic Unit</p> 	<p>Used in installations with more than one breaker and more than one Littelfuse Arc-Flash Relay. It separates the trip paths, so the breakers can be tripped independently from each other.</p> <p><b>Full datasheet and ordering information available at <a href="http://www.littelfuse.com/pga1100">www.littelfuse.com/pga1100</a></b></p>	<p><b>PGR-8800 D0920</b>      <b>AF0500 D1000</b>      <b>AF0100</b></p>																																	
<p><b>P1004-XX-(X)</b> Versa-Pot</p> <table border="1"> <thead> <tr> <th>PART NUMBER</th> <th>WITH WIRE LEADS</th> <th>VALUE</th> </tr> </thead> <tbody> <tr> <td>P1004-199</td> <td></td> <td>50 kΩ</td> </tr> <tr> <td>P1004-174</td> <td></td> <td>100 kΩ</td> </tr> <tr> <td>P1004-175</td> <td></td> <td>200 kΩ</td> </tr> <tr> <td>P1004-95</td> <td>P1004-95-X</td> <td>100 kΩ</td> </tr> <tr> <td>P1004-17</td> <td></td> <td>500 kΩ</td> </tr> <tr> <td>P1004-16</td> <td>P1004-16-X</td> <td>1M Ω</td> </tr> <tr> <td>P1004-15</td> <td></td> <td>1.5M Ω</td> </tr> <tr> <td>P1004-14</td> <td></td> <td>2M Ω</td> </tr> <tr> <td>P1004-12</td> <td>P1004-12-X</td> <td>3M Ω</td> </tr> <tr> <td>P1004-13</td> <td></td> <td>5M Ω</td> </tr> </tbody> </table> 	PART NUMBER	WITH WIRE LEADS	VALUE	P1004-199		50 kΩ	P1004-174		100 kΩ	P1004-175		200 kΩ	P1004-95	P1004-95-X	100 kΩ	P1004-17		500 kΩ	P1004-16	P1004-16-X	1M Ω	P1004-15		1.5M Ω	P1004-14		2M Ω	P1004-12	P1004-12-X	3M Ω	P1004-13		5M Ω	<p>Panel mountable, industrial potentiometer recommended for remote time delay adjustment. The shaft is slotted for screwdriver adjustment and serrated for slip-proof finger adjustment. Accepts Versa-Knob or Lock Shaft. May be ordered with two 8 in (20.3 cm) wires soldered to pot (clockwise increase) and female quick connect terminals on other ends by adding suffix -X to end of part number.</p> <p><b>Specifications</b>  <b>Rating</b>                    0.25 W at 55 °C  <b>Taper</b>                      Linear  <b>Shaft Rotation</b>        300° ±5°  <b>Tolerance</b>                ±10 %  <b>Shaft Diameter</b>        0.25 in</p>	<p>P1004-95 &amp; P1004-95-X: <b>Consult individual datasheet for compatibility</b></p> <p>P1004-174 &amp; P1004-175: <b>PHS Series</b></p> <p>P1004-16 &amp; P1004-16-X: <b>Series: ERDM ERDI ERD3 TRB TRM TRS TS1 TS6</b></p> <p>P1004-15, P1004-14, P1004-13, P1004-12, &amp; P1004-12-X: <b>Series: ORB ORM ORS TAC1 THD7 TRB TRM TRS TS1 TS2 TS4 TS6 TSD7 TSU2000</b></p>
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<p><b>P0700-7</b> Versa-Knob</p> 	<p>Versa-Knob is designed for 0.25 in (6.35 mm) shaft of Versa-Pot. Semi-gloss industrial black finish.</p>	<p><b>P1004-XX-(X)</b></p>																																	
<p><b>P0700-8</b> Lock Shaft</p> 	<p>Fits 0.25 in (6.35 mm) potentiometer shafts. Locks by tightening nut onto four tapered/slotted fingers. Pressure on the shaft locks control against mis-adjustment. Nickel plated brass finish.</p>	<p><b>P1004-XX-(X)</b></p>																																	
<p><b>P1004-9</b> <b>P1004-10</b> <b>P1004-31</b> Mini-Pot</p>  <table border="1"> <thead> <tr> <th>PART NUMBER</th> <th>VALUE</th> </tr> </thead> <tbody> <tr> <td>P1004-9</td> <td>500kΩ</td> </tr> <tr> <td>P1004-10</td> <td>1MΩ</td> </tr> <tr> <td>P1004-31</td> <td>3MΩ</td> </tr> </tbody> </table>	PART NUMBER	VALUE	P1004-9	500kΩ	P1004-10	1MΩ	P1004-31	3MΩ	<p>A high quality, industrial potentiometer for remote time delay adjustment. The shaft extends through the timer's center hole for easy panel mounting. Use mini-mount bracket for standup mounting of timer. Adjustment by screwdriver or mini-knob. May be ordered with two 3 in (7.6 cm) wires soldered to pot (clockwise increase) and female quick connect terminals on other ends by adding suffix -X to end of part number.</p> <p><b>Specifications</b>  <b>Rating</b>                    0.25 W at 55 °C  <b>Taper</b>                      Linear  <b>Shaft Rotation</b>        300° ±5°  <b>Tolerance</b>                ±10 %  <b>Shaft Diameter</b>        0.125 in (3.2 mm)</p>	<p><b>Series: TAC1 TS1 TS2 TS4 TS6 TSD7 TSU2000</b></p>																									
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<p><b>P0700-21</b> Mini-Knob</p> 	<p>Mini-Knob is designed for 0.125 in (3.2 mm) shaft of Mini-Pot. Semi-gloss industrial black finish.</p>	<p><b>P1004-9</b>      <b>P1004-10</b>      <b>P1004-31</b></p>																																	

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<p><b>P0200-19</b> Heat Sink Compound 2 grams</p>  <p><b>P0200-20</b> Heat Sink Compound 100 grams</p> 	<p>Single package/container of heat sink compound consisting of primarily zinc oxide and having a 12 month shelf life (EOD date on the label). P0200-19 mounts one high current, plated 2 x 2 in (50.8 x 50.8 mm) timer or flasher. P0200-20 mounts 50+ units.</p>		<p><b>Any 2 x 2 in (50.8 x 50.8 mm) plated timer or flasher.</b></p>																																																																								
<p><b>P1015-18</b> Quick Connect Screw Adaptor</p> 	<p>Screw adaptor terminal designed for use with all modules with 0.25 in (6.35 mm) male quick connect terminals. Screw terminal accepts ring or spade terminals.</p>		<p><b>Modules with 0.25 in (6.35 mm) male quick connect terminals. Consult the individual datasheet to determine compatibility.</b></p>																																																																								
<p><b>P1015-13</b> <b>P1015-64</b> <b>P1015-14</b> Female Quick Connect Terminals</p> 	<p>These 0.25 in (6.35 mm) female terminals are constructed with an insulator barrel to provide strain relief.</p>		<p><b>Consult individual datasheet to determine compatibility.</b></p>																																																																								
<p><b>P0400</b> Time Adjustment Dials</p> 	<table border="1"> <thead> <tr> <th>PART NUMBER</th> <th>RANGE</th> <th>INCREMENTS</th> </tr> </thead> <tbody> <tr> <td>P0400-12</td> <td>0.05 - 1 s</td> <td>0.1 s</td> </tr> <tr> <td>P0400-86</td> <td>0.1 - 10 m</td> <td>1 m</td> </tr> <tr> <td>P0400-82</td> <td>0.1 - 10 s</td> <td>1 s</td> </tr> <tr> <td>P0400-17</td> <td>1 - 30 s</td> <td>5 s</td> </tr> <tr> <td>P0400-83</td> <td>1 - 60 s</td> <td>10 s</td> </tr> <tr> <td>P0400-27</td> <td>0 - 10</td> <td>MRD*</td> </tr> </tbody> </table>	PART NUMBER	RANGE	INCREMENTS	P0400-12	0.05 - 1 s	0.1 s	P0400-86	0.1 - 10 m	1 m	P0400-82	0.1 - 10 s	1 s	P0400-17	1 - 30 s	5 s	P0400-83	1 - 60 s	10 s	P0400-27	0 - 10	MRD*	<p>Dials for use with remote Versa-Pot and panel mounted Mini-Pot. Reverse screen printed on clear plastic to avoid damage to printed image.</p>	<p><b>P1004-9</b> <b>P1004-13</b> <b>P1004-95</b></p>	<p><b>P1004-10</b> <b>P1004-16</b></p>	<p><b>P1004-12</b> <b>P1004-31</b></p>																																																	
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<p><b>VTPXX</b> VTP</p> 	<p>The VTP Series mounts on modules with in-line adjustment terminals. Rated at 0.25 W at 55 °C. Available in resistance values from 5 kΩ to 5 MΩ</p>	<table border="1"> <thead> <tr> <th>PART NUMBER</th> <th>R<sub>T</sub> VALUE</th> <th>RANGE</th> <th>PART NUMBER</th> <th>R<sub>T</sub> VALUE</th> <th>RANGE</th> </tr> </thead> <tbody> <tr> <td>VTP0E</td> <td>250 kΩ</td> <td>0.5–20s</td> <td>VTP3L</td> <td>2 MΩ</td> <td>0.1–4 m</td> </tr> <tr> <td>VTP1B</td> <td>0.5 MΩ</td> <td>0.05–3s</td> <td>VTP4B</td> <td>3 MΩ</td> <td>0.05–3 s</td> </tr> <tr> <td>VTP1C</td> <td>0.5 MΩ</td> <td>0.1–10s</td> <td>VTP4F</td> <td>3 MΩ</td> <td>0.5–60 s</td> </tr> <tr> <td>VTP1D</td> <td>0.5 MΩ</td> <td>0.5–10s</td> <td>VTP4J</td> <td>3 MΩ</td> <td>2–180 s</td> </tr> <tr> <td>VTP2A</td> <td>1 MΩ</td> <td>0.05–1s</td> <td>VTP4P</td> <td>3 MΩ</td> <td>1–100 m</td> </tr> <tr> <td>VTP2C</td> <td>1 MΩ</td> <td>0.1–10s</td> <td>VTP5G</td> <td>5 MΩ</td> <td>1–100 s</td> </tr> <tr> <td>VTP2E</td> <td>1 MΩ</td> <td>0.5–20s</td> <td>VTP5K</td> <td>5 MΩ</td> <td>10–1000 s</td> </tr> <tr> <td>VTP2F</td> <td>1 MΩ</td> <td>0.5–60s</td> <td>VTP5N</td> <td>5 MΩ</td> <td>0.1–10 m</td> </tr> <tr> <td>VTP2J</td> <td>1 MΩ</td> <td>2–180s</td> <td>VTP5P</td> <td>5 MΩ</td> <td>1–100 m</td> </tr> <tr> <td>VTP2P</td> <td>1 MΩ</td> <td>1–100m</td> <td>VTPDF</td> <td>50 kΩ</td> <td>0.5–60 s</td> </tr> <tr> <td>VTP3B</td> <td>2 MΩ</td> <td>0.05–3s</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	PART NUMBER	R <sub>T</sub> VALUE	RANGE	PART NUMBER	R <sub>T</sub> VALUE	RANGE	VTP0E	250 kΩ	0.5–20s	VTP3L	2 MΩ	0.1–4 m	VTP1B	0.5 MΩ	0.05–3s	VTP4B	3 MΩ	0.05–3 s	VTP1C	0.5 MΩ	0.1–10s	VTP4F	3 MΩ	0.5–60 s	VTP1D	0.5 MΩ	0.5–10s	VTP4J	3 MΩ	2–180 s	VTP2A	1 MΩ	0.05–1s	VTP4P	3 MΩ	1–100 m	VTP2C	1 MΩ	0.1–10s	VTP5G	5 MΩ	1–100 s	VTP2E	1 MΩ	0.5–20s	VTP5K	5 MΩ	10–1000 s	VTP2F	1 MΩ	0.5–60s	VTP5N	5 MΩ	0.1–10 m	VTP2J	1 MΩ	2–180s	VTP5P	5 MΩ	1–100 m	VTP2P	1 MΩ	1–100m	VTPDF	50 kΩ	0.5–60 s	VTP3B	2 MΩ	0.05–3s				<p><b>Series: TAC1</b>   <b>THD7</b>   <b>THDM</b>   <b>TS1</b> <b>TS2</b>   <b>TS4</b>   <b>TS6</b>   <b>TSD7</b></p>
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<p><b>LPSM003ZXID</b> Indicating Fuse Holder</p> <p><b>LPSM003Z</b> Non-indicating Fuse Holder</p> 		<p>Littelfuse POWR-SAFE Dead Front holders provide optimum protection to personnel for Class CC and Midget-Style fuses. 600 V ac/dc</p>					<p><b>Class CC and Midget-Style fuses</b></p>										
<p><b>OKLK002.T</b> Midget Fuse (2 Amp)</p> 		<p>10 x 38 fast acting, high-interrupting capacity, current-limiting type fuse. 600 V ac/500 V dc</p>					<b>FH3P</b>	<b>LPSM003ZXID</b>	<b>LPSM003Z</b>								
<p><b>VRM6048</b> Voltage Monitor Accessory Module</p> 		<p>The VRM6048 accessory module allows the voltage monitor to monitor a 3-phase 550 to 600 V ac Line.</p> <p><b>Adjustment</b> If the measured line voltage is 575 V ac, connect as shown and adjust/select the voltage monitor for 460 V ac operation.</p> <p><b>Package</b> Molded housing with encapsulated circuitry</p> <p><b>Mounting</b> Surface mount with one #10 (M5 x 0.8) plastic screw. May be DIN-rail mounted using P1023-20 Adaptor.</p> <p><b>Termination</b> Screw terminals with captive wire clamps for up to No.12 AWG wire.</p> <p><b>Operating Storage Humidity Voltage</b></p> <table border="1"> <tr> <td><b>Input</b></td> <td><b>Output*</b></td> </tr> <tr> <td>600 V ac</td> <td>480 V ac</td> </tr> <tr> <td>575 V ac</td> <td>460 V ac</td> </tr> <tr> <td>550 V ac</td> <td>440 V ac</td> </tr> </table> <p><small>*The VRM6048 must be connected as shown. If the voltage monitor is disconnected, the VRM output voltage equals the input voltage.</small></p>					<b>Input</b>	<b>Output*</b>	600 V ac	480 V ac	575 V ac	460 V ac	550 V ac	440 V ac	<p><b>Series:</b></p> <p><b>PLM</b> <b>PLR</b> <b>PLS</b> <b>TVM</b> <b>TVW</b> <b>(manufactured after December 2003)</b></p>		
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<p><b>VRM6048</b> Voltage Monitor Accessory Module</p> 																	
<p><b>V150LA10AP</b> LA Varistor</p> 		<p>The V150LA10AP, a transient voltage surge suppressor, is a radial leaded varistors (MOVs) that is designed to be operated continuously across ac power lines. This UL Recognized varistor requires very little mounting space.</p>					<p><b>Any of our products that operate below 150 V ac or 200 V dc.</b></p>										
PRODUCT	MAX. OPERATING VOLTAGE		MAX IMPULSE CURRENT 80.20 μs CURRENT WAVE (A)	VARISTOR VOLTAGE AT 1MA DC TEST CURRENT		PEAK CLAMPING VOLTAGE WITH 80.20 μs WAVE		CAPACITANCE	DISC DIAMETER SIZE (MM)								
	AC (V)	DC (V)		MIN. (V)	MAX. (V)	V <sub>c</sub> (V)	1 <sub>pk</sub> (A)										
V150LA10AP	150	200	4500	216	264	395	50	800	14								