DESCRIPTION

Time★Star long period electric delay detonators provide sufficient time for rock movement necessary for successful blasting of trenches, sewers, tunnels, shafts, drifts, raises and surface blasting operations. Offered in 16 delays and instant, they are consistently accurate to prevent overlap, assure better fragmentation and reduce vibration. With a powerful base charge of over 750 mg and a heavy aluminum alloy shell, Time★Stars provide greater assurance of initiating detonator sensitive explosives under severe conditions.

BENEFITS

- 750 mg PETN base charge far exceeds the standard #8 strength detonator.
- Industries strongest aluminum shell reduces the possibility of water hammer effect.
- Anti-static PVC insulation for added protection from extraneous currents.
- Wide selection of delay intervals provide greater flexibility in blast design.

Properties & Packaging

<table>
<thead>
<tr>
<th>Delay #</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS Time</td>
<td>Instant</td>
<td>500</td>
<td>1000</td>
<td>1500</td>
<td>2000</td>
<td>2500</td>
<td>3000</td>
<td>3500</td>
<td>4000</td>
</tr>
<tr>
<td>Delay #</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
<td>13</td>
<td>14</td>
<td>15</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>MS Time</td>
<td>4500</td>
<td>5000</td>
<td>5500</td>
<td>6000</td>
<td>6500</td>
<td>7000</td>
<td>7500</td>
<td>8000</td>
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</table>
Time★Star Detonators

Time★Star Packaging & Resistance

<table>
<thead>
<tr>
<th>Length [ft]</th>
<th>Case Weight [lb]</th>
<th>Case Count</th>
<th>Total [Ω]*</th>
<th>Wire Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>6.3</td>
<td>11</td>
<td>80</td>
<td>1.77</td>
</tr>
</tbody>
</table>

* Includes fusehead resistance of 0.9 +/- 0.1 Ω.

Time★Star Recommended Firing Current

<table>
<thead>
<tr>
<th>Circuit Type</th>
<th>Single Detonator</th>
<th>Single Series</th>
<th>Parallel Series</th>
<th>Parallel</th>
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</thead>
<tbody>
<tr>
<td>DC [Amps]</td>
<td>0.5</td>
<td>1.5</td>
<td>1.5</td>
<td>1.0–10.0/Detonator</td>
</tr>
<tr>
<td>AC [Amps]</td>
<td>0.5</td>
<td>2.0</td>
<td>2.0</td>
<td>1.0–10.0/Detonator</td>
</tr>
</tbody>
</table>

STORAGE
Store in accordance with all applicable local, state, provincial and federal laws.

SHELF LIFE
For optimum accuracy, use within three years from date of manufacture under good storage conditions.

UN CLASSIFICATION
Shipping Name: Detonators, Electric
Class & Division: 1.4B
ID Number: UN 0255

For more information and service locations in your area, please contact Austin Powder Company’s headquarters:

Austin Powder Company
25800 Science Park Drive
Cleveland, Ohio, USA 44122

Phone: 1-800-321-0752
Fax: 1-216-464-4418
Web: www.austinpowder.com
Email: info@austinpowder.com

DOT REFERENCE NUMBER
EX-2001030067

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