Dear Customer,

It is the goal of Maxi-Signal to provide you an easy to use catalog of signals, lighting and safety equipment. Every effort is made to keep current and make certain you are offered the highest quality and best value.

We are confident all goals have been met and assure you fast, friendly service. All warehouse facilities are computerized and have telecommunication links for immediate order processing.

Please feel free to inquire about other products. Our sales application engineers are eager to assist you. Outside sales engineers are also available for field assistance.

Sincerely,

Local (708) 354-4730
Fax (708) 354-0168
Toll Free (800)227-9636
Toll Free Fax (800)592-4700
www.maxi-signal.com
Email:sales@maxi-signal.com

Specifications and prices subject to change without prior notice.

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MICROSTROBE™ IV EXTENDED 10 YEAR WARRANTY

Except for xenon strobe lamps. TOMAR Electronics Inc. warrants the MICROSTROBE™ IV strobe against defects in material and workmanship for 10 years from the date of manufacture. At its option and at no cost to the purchaser, TOMAR will either repair or replace products covered by its warranty. To qualify for warranty service products must not be physically damaged. All products requiring warranty service shall be returned to TOMAR within 10 years from the date of manufacture, shipped prepaid. Tomar will return repaired or replaced products to the purchaser via prepaid ground transportation. Xenon strobe lamps are warranted for 1 full year from the date of manufacture. TOMAR assumes no liability for cost incurred in removing or reinstalling products requiring service. This warranty gives you specific legal rights. You may also have other rights which may vary from state to state.
FORK TRUCK STROBES - DC Models
The MICROSTROBE® IV strobe family is an enhanced version of the MICRO III featuring a new screw-on 100% water-tight lens and power supply which can operate from a very wide input voltage range of 12 through 80 VDC or 16 through 24 VAC. The supply has a regulated output so that the lamp brightness and flash rate remain constant over the entire input voltage range. The power supply is potted in polyurethane for the ultimate in protection from shock and vibration. The enclosure is 100% Lexan Type 4X, and the plug-in strobe lamp is field replaceable. All units are polarity protected and have built-in filters to protect against radio interference and spike voltages. The MICROSTROBE® IV is protected with a TEN YEAR WARRANTY. See opposite page.

SPECIFICATIONS

- Intensity
  CLEAR  50 Candela
  AMBER  40 Candela
  BLUE  20 Candela
  RED  10 Candela
  GREEN  20 Candela
- 1.75 Joules per flash, power supply output 2.7 Watts
- 60 to 80 flashes per minute
- UL component listed, type E, ES & EE Electric Trucks
- 5" Tall X 3" Dia., 0.6 lbs.
- TEN YEAR WARRANTY

470S-1280  Surface Mount
470SMB-1280  Magnetic Mount with 6 ft. cord & cigar plug.
490S-1280  1/2" Pipe Mount Hub
495S-1280  1/2" Male Pipe Thread
470SMB-1280/CC  Magnetic Mount w/ 10' coiled cord & cigar plug

Options & Parts
G470  Guard
5001  Flashtube
470S-L  Lexan Lens
BKT  L Mounting Bracket
LB0  180 Degree lens black out (NC if ordered with unit)

MICROSTROBES® - AC Models
For general purpose visible signals the versatile MICROSTROBE® does it all. Choose from several mounting styles - even a medium base light bulb socket model. The most recent models have been upgraded to polyurethane potted power supplies with screw-on Lexan lenses, creating a 100% water-tight Type 4X enclosure.

Application Note for 120 VAC Units
120 VAC units that are going to be switched on-off with a solid state relay should be ordered with option /TRIAC-SW to prevent false operation from snubber leakage current.

SPECIFICATIONS

- Intensity
  CLEAR  50 Candela
  AMBER  40 Candela
  BLUE  20 Candela
  RED  10 Candela
  GREEN  20 Candela
- 1.75 Joules per flash, power supply output 2.7 Watts
- 60 to 80 flashes per minute, -40F to +150F Temperature Range
- All models UL Listed
- Low power consumption 0.04 amps @ 120 VAC
- 5" Tall X 3" Dia., 0.6 lbs.
- Two Year Warranty

480S-120  AC Cord & Plug Surface Mount
490S-120  1/2" Pipe Mount Hub
495S-120  1/2" Male Pipe Thread
485S-120  Medium Base Socket Screw-in
470SGBP-120  Wall Plate Mount (not shown)
490S-240  240 AC 1/2" Pipe Mount
495S-240  240 AC Male Pipe Thread
485S-240  240 AC Medium Base Mount

Options & Parts
G470  Guard
5001  Flashtube
470S-L  Lexan Lens
/TRIAC-SW  Leakage current bypass
The MicroLED is the ideal choice for Lift Truck applications; offering excellent flash intensity rivaling strobe lights, durable vibration resistant construction, long life 100,000 hour LED technology, backed up with a five year warranty.

The above chart illustrates the superior technology employed by Tomar Electronics in the design of the MicroLED Lift Truck Flasher. It outperforms the competition easily. The vertical and horizontal flash intensity is bright enough to be visible on the ceiling and walls of warehouse aisles, helping locate a Lift Truck hidden by surrounding merchandise.

The tough Lexan Lens is spun welded to the base to completely seal out moisture. The MicroLED is UL recognized and manufactured to NEMA 4X specifications. It’s available in three colors (Amber, Blue and Red).

**SPECIFICATIONS:**

- 5 Year Warranty
- Voltage and Amperage: 200 mA @ 24 VDC, 100 mA @ 48 VDC, 50 mA @ 100 VDC
- Operating Temperature: -40°+65°C
- NEMA 4X
- UL Recognized
- 12-80 VDC
- 100,000 hour LED
- Lexan Lens
- Neobe ® Flashing Technology - 75 FPM
- Pipe, Thread or Surface Mount
- Sealed Construction - NEMA 6P Capable
- 3 LED Colors - Amber, Blue, Red
- Size: 3’ Dia. X 4.5’ High, 3.4” bolt hole centers
- Weight: 0.45 Lbs.

<table>
<thead>
<tr>
<th>Model</th>
<th>Surface Mount 12-80 VDC</th>
<th>1/2” Pipe Mount 12-80 VDC</th>
<th>1/2” Thread Mount 12-80 VDC</th>
</tr>
</thead>
<tbody>
<tr>
<td>370L-1280-(color)</td>
<td>Surface Mount 12-80 VDC</td>
<td>1/2” Pipe Mount 12-80 VDC</td>
<td>1/2” Thread Mount 12-80 VDC</td>
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<tr>
<td>390L-1280-(color)</td>
<td>Surface Mount 12-80 VDC</td>
<td>1/2” Pipe Mount 12-80 VDC</td>
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<td>395L-1280-(color)</td>
<td>Surface Mount 12-80 VDC</td>
<td>1/2” Pipe Mount 12-80 VDC</td>
<td>1/2” Thread Mount 12-80 VDC</td>
</tr>
</tbody>
</table>

**G470**
- Heavy Duty Guard

**BKT**
- L Mounting Bracket
**500P MICRO LITE™ MULTI-VOLTAGE INPUT**

The model 500P family is a low profile single flash strobe featuring a dual input voltage rating of 12 thru 28 VDC, three bolt mount and 1/2” pipe mount, Lexan lens, hi-efficiency regulated solid state potted power supply and heavy duty xenon strobe lamp. All units are polarity protected and have built-in filters to protect against radio interference and spike voltages. The model 500P features a fully potted, Lexan, multipurpose mounting base which is vibration and water resistant, and has a field replaceable plug-in strobe lamp.

**SPECIFICATIONS:**

- **Intensity:**
  - CLEAR 200 Candela eff.
  - AMBER 170 Candela eff.
  - BLUE 95 Candela eff.
  - RED 40 Candela eff.
  - GREEN 80 Candela eff.
- 6 joules per flash, power supply output 8 Watts
- 70-90 flashes per minute
- 5.25" Tall X 5.5" Dia. 2.0 lbs.
- 2 Year Warranty

**500P-1228** 12 thru 28 VDC, 0.8 A avg. @ 12 VDC, 0.4 A avg @ 24 VDC
**500PMB-1228** 12 thru 28 VDC with magnetic base & coiled cord.
**500PMBSC-1228** 12 thru 28 VDC with magnetic base & straight cord.

Note: Standard Models do not include a mounting flange (ring). If required, please order from the parts list below.

**Options & Parts**
- 2001 Strobe lamp
- LBO-MINILITE 180 degree lens black out
- TBO-MAXI Top lens black out
- BKT L Mounting bracket
- 802-03 Lens dust cover
- G802 Guard
- 500-1228-BASE 12-28 VDC Power Supply
- 800-FLG Mounting Flange (ring)

---

**550P MICRO LITE™ MULTI-VOLTAGE INPUT**

The model 550P family is a low profile single flash strobe light featuring a multiple input voltage rating of 12 thru 74 VDC, three bolt and 1/2” pipe mount, Lexan lens, hi-efficiency regulated solid state potted power supply and heavy duty xenon strobe lamp. All units are polarity protected and have built-in filters to protect against radio interference and spike voltages. The model 550P features a fully replaceable plug-in strobe lamp, and is UL component recognized for use on type E, EE and ES electric industrial trucks covered by UL standard #583 under file number AU2049.

**SPECIFICATIONS:**

- **Intensity:**
  - CLEAR 270 Candela eff.
  - AMBER 230 Candela eff.
  - BLUE 125 Candela eff.
  - RED 55 Candela eff.
  - GREEN 110 Candela eff.
- 12 joules per flash, power supply output 11 Watts
- 70-90 flashes per minute
- 5.25" Tall X 5.5" Dia. 2.0 lbs.
- 2 Year Warranty

**550P-1274** 12 thru 74 VDC, 1.25 A avg. @ 12 VDC, .20 A avg @ 74 VDC
**550PMB-1274** 12-74 VDC with magnetic base & coiled cord
**550PMBSC-1274** 12-74 VDC with magnetic base & straight cord.

Note: Standard models do not include a mounting flange (ring). If required please order from the parts list below.

**Options & Parts**
- 2001 Strobe lamp
- LBO-MINILITE 180 degree lens black out
- TBO-MAXI Top lens black out
- BKT L Mounting bracket
- 802-03 Lens dust cover
- G802 Guard
- 550-1274-BASE 12-74 VDC Power Supply
- 800-FLG Mounting Flange (ring)
MAXI I™ STROBE MULTI-VOLTAGE INPUT
A medium profile single flash strobe of over one million candle power for high intensity applications. The MAXI STROBE can be seen in bright sunlight and has built-in filters to protect against radio interference and spike voltages.

- Potted circuit board protects against moisture, shock and vibration
- Multi-mount base design...Flange...1/2" pipe mount...Thru bolts.

6.75" Tall X 5.5" Dia. 2.2 lbs.

SPECIFICATIONS:

<table>
<thead>
<tr>
<th>Intensity</th>
<th>Candela eff.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLEAR</td>
<td>480</td>
</tr>
<tr>
<td>AMBER</td>
<td>400</td>
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<tr>
<td>BLUE</td>
<td>220</td>
</tr>
<tr>
<td>RED</td>
<td>95</td>
</tr>
<tr>
<td>GREEN</td>
<td>190</td>
</tr>
</tbody>
</table>

- 8 joules per flash.
- 80-95 FPM.
- 5 year extended warranty.

804-110 120 VAC, 0.17 A, UL Listed, Type 4X.
804-240 240 VAC, 0.12 A, UL Listed, Type 4X.
804-1274 12-74 VDC, 1.25 A @ 12 VDC.
804LC-110 120 VAC Strobe with AC cord and Plug, UL Listed, Type 4X.
804MB-1274 12-74 VDC with Magnetic Base and Coiled Cord.

Note: Flange not included with AC models. If required, please order from the parts list below.

Options & Parts
LBO-MAXI 180 degree lens black out
TBO-MAXI Top lens black out
4001 Flash tube
G800 Guard
800/1250-DC Clear dust cover
BKT L mounting bracket
1700 Lexan Lens
800-FLG Mounting flange

MINI LITE I™ STROBE MULTI-VOLTAGE INPUT
A low profile single flash strobe of over one million candle power, for applications where overhead clearance is a problem. The MINI LITE I is bright enough for outdoor applications in bright sunlight and has built-in filters to protect against radio interference and spike voltages.

- Potted circuit board protects against moisture, shock and vibration.
- Multi-mount base design...Flange...1/2" pipe mount...Thru bolts.

5.25" Tall X 5.5" Dia. 2 lbs.

SPECIFICATIONS:

<table>
<thead>
<tr>
<th>Intensity</th>
<th>Candela eff.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLEAR</td>
<td>400</td>
</tr>
<tr>
<td>AMBER</td>
<td>340</td>
</tr>
<tr>
<td>BLUE</td>
<td>185</td>
</tr>
<tr>
<td>RED</td>
<td>80</td>
</tr>
<tr>
<td>GREEN</td>
<td>160</td>
</tr>
</tbody>
</table>

- 8 joules per flash.
- 80-95 FPM.
- 5 year extended warranty.

801-110 120 VAC, 0.17 A, UL Listed, Type 4X.
801-240 240 VAC, 0.12 A, UL Listed, Type 4X.
801-1274 12-74 VDC, 1.25 A @ 12 VDC.
801LC-110 120 VAC strobe with AC Cord & Plug, UL Listed, Type 4X.
801MB-1274 12-74 VDC with Magnetic base and Coiled Cord.

Note: Flange not included with AC models. If required, please order from the parts list below.

Options & Parts
LBO-MINILITE 180 degree lens black out
TBO-MAXI Top lens black out
4001 Flash tube
G802 Guard
802-03 Clear dust cover
BKT L mounting bracket
801-L Lexan lens
800-FLG Mounting flange
MULTI STROBE DOUBLE/QUAD FLASH
A medium profile double or Quad flash strobe of over one million candle power for high intensity applications. The MULTI STROBE can be seen in bright sunlight and has built-in filters to protect against radio interference and spike voltages.
- Potted circuit board protects against moisture, shock and vibration.
- Photocell to automatically adjust the intensity from day to night.
- Multi-mount base design...Flange...1/2" pipe mount...Thru bolts.
- Field selection of flash rate: Double or Quad by clipping a wire.

SPECIFICATIONS
Intensity | Double Flash | Quad Flash
--- | --- | ---
CLEAR | 1020 Candela eff. | 1200 Candela eff.
AMBER | 720 Candela eff. | 1020 Candela eff.
BLUE | 240 Candela eff. | 560 Candela eff.
RED | 160 Candela eff. | 210 Candela eff.
GREEN | 165 Candela eff. | 480 Candela eff.
- 17 Joules per Double Flash
- 70-80 DFPM, 60-70 QFPM
- -40C to +71C
- 25 Joules per Quad Multi Flash
- 6.75" Tall X 5.5" Dia. 2.2 lbs.
- 5 year extended warranty.

824-110 120 VAC, 0.8 A Peak, 0.5 to 0.6 A avg.
824-1228 12-28 VDC, 2.2 to 2.4 A avg @ 12 V, 1.2 to 1.4 A avg @ 28 V
824MB-1228 Mag. base w/10' coiled cord and Cig. plug
824MBSC-1228 Mag. base w/straight cord and Cig. plug
824LC-110 120 VAC w/AC C & P
824-240 240 VAC, 0.8 A Peak, 0.5 to 0.6 A avg.
Note: Flange not included with AC models. If required, please order from below.

Options & Parts
- LBO-MAXI 180 degree lens black out
- TB0-MAXI Top lens black out
- 4001 Flash tube
- G800 Guard
- 800/1250-DC Clear dust cover
- BKT L mounting bracket
- 1700 Lexan Lens
- 800-FLG Mounting flange

MINI LITE II™ STROBE DOUBLE/QUAD FLASH
A low profile double or Quad flash strobe of over one million candle power, for applications where overhead clearance is a problem. The Mini Lite II is bright enough for outdoor applications in bright sunlight and has built-in filters to protect against radio interference and spike voltages.
- Potted circuit board protects against moisture, shock and vibration.
- Photocell to automatically adjust the intensity from day to night.
- Multi-mount base design...Flange...1/2" pipe mount...Thru bolts.
- Field selection of flash rate: Double or Quad by clipping a wire.

SPECIFICATIONS
Intensity | Double Flash
--- | ---
CLEAR | 750 Candela eff.
AMBER | 525 Candela eff.
BLUE | 175 Candela eff.
RED | 115 Candela eff.
GREEN | 120 Candela eff.
- 17 Joules per Double Flash
- 68 to 72 DFPM, 58 to 62 QFPM
- 5.25" Tall X 5.5" Dia. 2 lbs.
- 5 year extended warranty.

8024-110 120 VAC, 0.8 A Peak, 0.5 to 0.6 A avg.
8024-1228 12-28 VDC, 2.2 to 2.4 A @ 12 V, 1.2 to 1.4 A avg @ 28 V
8024MB-1228 Mag. base w/10' straight cord and Cig. plug
8024MBSC-1228 Mag. base w/coiled cord and Cig. plug
8024LC-110 120 VAC w/AC C & P
8024-240 240 VAC, 0.8 A Peak, 0.5 to 0.6 A avg.
Note: Flange not included with AC models. If required, please order from below.

Options & Parts
- LBO-MINILITE 180 degree lens black out
- TB0-MAXI Top lens black out
- 4001 Flash tube
- G802 Guard
- 802-03 Clear dust cover
- BKT L mounting bracket
- 801-L Lexan lens
- 800-FLG Mounting flange
PORTA-STROBE™

This battery operated strobe flasher provides a highly visible flash for a wide variety of applications. Use anywhere a bright portable flasher is needed with a pair of 6 V lantern batteries or our rechargeable version.
- 3 joules flash intensity @ 60 FPM.
- Impact resistant Lexan lens.
- Magnetic base option.
- 24 hour battery life.
- Medium or low profile lens.
- 100% weatherproof.
- 300 milliamp draw.

7400: Medium profile 6" tall lens
7401: Low profile 4" tall lens
7400-MB: Medium profile mag. base
7401-MB: Low profile mag. base
7400/RC: Medium profile Rechargeable
7401/RC: Low profile Rechargeable
7400-MB/RC: Med. profile mag. base Rechargeable
7401-MB/RC: Low profile mag. base Rechargeable
460: 6 V spring type lantern battery (two required)
PS-650LS: Twin rechargeable battery pack
PSC-6500A-C: Charger

Note: Rechargeable models include the battery pack. For non-rechargeable models please order (2) two number 460 batteries separately.

PORTA-LED™

This battery operated LED flasher provides a highly visible flash for a wide variety of applications. Industrial users will find it useful for maintenance personnel on job sites where power is not available or inconvenient to connect. A magnetic base option is available for secure mounting.

The LED bulbs provide life in excess of 100,000 hours and draw so little current, that battery life is measured in hundreds of hours.

Use the PORTA-LED™ anywhere a bright portable flasher is needed with a pair of 6 Volt lantern batteries. (batteries not included)

Dimensions: Lens: 5” dia. X 3” high. Case: 5” H X 7” W X 3” Deep.

7600-LED-A: Amber PORTA-LED™
7600-LED-R: Red PORTA-LED™
7600-LED-MB-A: Amber magnetic base PORTA-LED™
7600-LED-MB-R: Red magnetic base PORTA-LED™
460: 6 Volt spring type lantern battery (two required)

Notes: 1. Other colors available upon request.

MINISTROBES®

The MINI STROBE® family is a single flash heavy duty strobe light featuring all aluminum housing, flange mount, lexan lens, and plug-in strobe lamp. The DC units are component recognized by UL for use on electric fork lift trucks.

SPECIFICATIONS

- Intensity 8 Joule 15 Joule
  CLEAR 185 Candela 360 Candela
  AMBER 160 Candela 300 Candela
  BLUE 85 Candela 160 Candela
  RED 40 Candela 80 Candela
  GREEN 70 Candela 140 Candela
- Power Supply Output 11 Watts
- Current Draw: 1.25 Amps @ 12 DC, 0.2 @ 74 DC.
- Current Draw: 0.17 Amps @ 120 AC, 0.12 @ 240 AC.
- 80 to 95 Flashes per Minute
- UL AU 2049 for E, ES, & EE trucks.
- 8 joule power supply 700 family
- 15 joule power supply 700-110-15J
- 6" Tall X 4.7" Dia., 1.3 lbs.
- TWO YEAR WARRANTY

700-110: 120 VAC, 50/60 Hz, 0.17 A
700-240: 240 VAC, 50/60 Hz,0.12 A
700-1274: 12-74 VDC, 1.25 a @ 12 V
700-110-15J: 120 VAC, 50/60 Hz,15 J
700-120DC: 120 VDC, 0.1 amps

Options & Parts

700-G: Guard
BKT: L mounting bracket
3001: Strobe lamp
700-L: Lexan Lens
6001: Strobe lamp (700-110-15J)
/PM1: 1/2" pipe mount (factory installed)
GLASS LENS POWER STROBE®

The glass lens POWER STROBE® offers users with heavy duty applications a visible signal that will operate trouble free in the day-to-day environment of steel mills and similar facilities with corrosive, high temperature, shock and vibration conditions. The glass lens POWER STROBE® is the best choice for cranes, transfer cars, hot mills and coke plants.

Select from two power supplies, 10 or 15 joules and a stainless steel enclosure option. (15 joule power supply is for 120 VAC only)

- 1,000,000/1,500,000 peak candle power flash, 90 FPM
- NEMA 4 steel enclosure standard, optional stainless steel available
- 250 VDC models are provided with transient surge voltage protection
- Ambient temperature -55°C to +85°C
- 9” H X 6” W X 6” D, 10 lbs

3000-GLASS 250 VDC, 10 joules, 0.07 amps
3200-GLASS 120 VAC, 10 joules, 0.17 amps
3300-GLASS 240 VAC, 10 joules, 0.12 amps
3200-GLASS/HP 120 VAC, 15 joules, 0.25 amps

OPTIONS
/S/ Stainless steel enclosure

PARTS
3001 Strobe lamps
3006A Glass Lens
140030 Guard for glass lens
6001 Strobe lamp for HP models

REMOTE GLASS LENS POWER STROBE®

The remote glass lens POWER STROBE® has the same features as the standard lens version, except it will give the user a visible signal that can be operated in elevated temperatures or where conditions require the electronic circuitry to be out of harm’s way.

Enclosure: 8” X 6” X 4”, 6 lbs. Lens: 6 1/2” dia. X 5” high, 4 lbs.

COMPLETE UNITS
3000/R-GLASS 250 VDC Remote glass lens, 10 joules, 0.07 amps
3200/R-GLASS 120 VAC Remote glass lens, 10 joules, 0.17 amps
3300/R-GLASS 240 VAC Remote glass lens, 10 joules, 0.12 amps
3200/R/HP-GLASS 120 VAC Remote glass lens, 15 joules, 0.25 amps

SEPARATE COMPONENTS
3015-GLASS Glass lens strobe head
3000-PS 250 VDC, 10 joule power supply
3200-PS 120 VAC, 10 joule power supply
3300-PS 240 VAC, 10 joule power supply
3200-PS/HP 120 VAC, 15 joule power supply

/O/ Stainless steel enclosure option

Specify lens color when ordering.
These models of single flash explosion proof UL listed strobe lights are designed for operation in hazardous areas rated Class I Group C & D and Class II group E, F, & G. Design features include a housing made of die cast high strength copper-free aluminum alloy with baked powder epoxy finish, stainless steel hardware, O-ring sealed prestressed glass globe with double pitch acme threads for smooth assembly and ease of maintenance, and an optional guard which need not be removed for relamping. 3/4” conduit hubs are standard.

ORDERING INFORMATION

Please specify lens color and the model number desired. Colors available are AMBER, CLEAR, BLUE, GREEN, PURPLE OR RED.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Voltage</th>
<th>Approvals</th>
</tr>
</thead>
<tbody>
<tr>
<td>3150BEP-FM</td>
<td>Flange Mount</td>
<td>12 thru 74 VDC</td>
<td>UL</td>
</tr>
<tr>
<td>3200BEP-FM</td>
<td>Flange Mount</td>
<td>120 VAC</td>
<td>UL</td>
</tr>
<tr>
<td>3300BEP-FM</td>
<td>Flange Mount</td>
<td>240 VAC</td>
<td>UL</td>
</tr>
<tr>
<td>3150BEP-PM</td>
<td>3/4” Pendant Mt.</td>
<td>12 thru 74 VDC</td>
<td>UL</td>
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<td>3200BEP-PM</td>
<td>3/4” Pendant Mt.</td>
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<td>UL</td>
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<td>3300BEP-PM</td>
<td>3/4” Pendant Mt.</td>
<td>240 VAC</td>
<td>UL</td>
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<tr>
<td>3150BEP-WM</td>
<td>Wall Mount</td>
<td>12 thru 74 VDC</td>
<td>UL</td>
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<td>3200BEP-WM</td>
<td>Wall Mount</td>
<td>120 VAC</td>
<td>UL</td>
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<tr>
<td>3300BEP-WM</td>
<td>Wall Mount</td>
<td>240 VAC</td>
<td>UL</td>
</tr>
</tbody>
</table>

Options:
- EP-FM-1 Splice Box with 1” Hubs
- EP-PM-1 Splice Box with 1” Hubs
- EP-WM-1 Splice Box with 1” hubs
- BEPG Guard (optional)

SPECIFICATIONS

Lamp Type
- 700-R1 Hermetically Sealed Xenon Strobe Lamp Assembly

Voltage and Amperage
- 12-74 VDC Draws 1.25 A avg. @12 VDC tapering to 0.2 A avg. @74 VDC
- 120/240 VAC Draws 0.17 A avg. @ 120 VAC
  (50/60 Hz) Draws 0.075 A avg. @ 240 VAC

Power Supply Output
- 13 Watts Standard, 11 Watts for 3150
- 9 joules per flash Std., 8 joules per flash for 3150

Temperature Range
- -40 Degrees C to +55 degrees C

Flash Rate
- 85 Flashes per minute

Temperature Code
- T6 - Class I Groups C & D
- T4A - Class II Groups E, F, & G

Intensity
- Clear 200 Candela eff.
- Amber 170 Candela eff.
- Blue 90 Candela eff.
- Red 40 Candela eff.
- Green 70 Candela eff.

Size and Weight
- 14” Tall X 7 1/4” Dia. 13 lbs.
  (368 mm) (222 mm) (5.9 kg.)

Compliance:
- UL 1203 & 1638
- NEMA 4X
The Super Explosion Proof family of double flash UL listed strobe lights are designed for operation in hazardous areas rated by the NEC as Class I, div 1 & 2 Group C & D and Class II, div. 1 & 2, Group E, F, & G and Class III, div. 1 & 2. They also meet NEMA standards 3, 4, 4X, 7CD and 9EFG, and are marine rated for use in salt water environments. Lens Colors: Amber, Blue, Clear, Green, Purple and Red.

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>7120BEP-FM</td>
<td>Flange Mount 3/4&quot; hub</td>
<td>120 VAC</td>
</tr>
<tr>
<td>7024BEP-FM</td>
<td>Flange Mount 3/4&quot; hub</td>
<td>12/24 VDC</td>
</tr>
<tr>
<td>7120BEP-PM</td>
<td>Pendant Mount 3/4&quot; hub</td>
<td>120 VAC</td>
</tr>
<tr>
<td>7024BEP-PM</td>
<td>Pendant Mount 3/4&quot; hub</td>
<td>12/24 VDC</td>
</tr>
<tr>
<td>7120BEP-WM</td>
<td>Wall Mount 3/4&quot; hub</td>
<td>120 VAC</td>
</tr>
<tr>
<td>7024BEP-WM</td>
<td>Wall Mount 3/4&quot; hub</td>
<td>12/24 VDC</td>
</tr>
</tbody>
</table>

**Options**

- EPG

**SPECIFICATIONS**

- **Lamp Type**: 6001 Xenon Strobe Lamp
- **Voltage and Amperage**
  - 120 VAC: 60 Hz, Draws 0.4 A avg. (2.3 A max)
  - 12/24 VDC: Draws 4.0/2.0 A avg. (8.0 A max)
- **Power Supply Output**: 26 Watts
- **Flash Rate**: 40 Flashes per minute
- **Intensity**
  - Clear: 2000 Candela eff.
  - Amber: 1700 Candela eff.
  - Blue: 900 Candela eff.
  - Red: 400 Candela eff.
  - Green: 700 Candela eff.
- **Size and Weight**
  - 14.5" Tall X 8.75" Dia. 13 lbs.
  - (368 mm) (222 mm) (5.9 kg.)
- **Compliances**: UL 1203 & 1638
DIVISION 2 HAZARDOUS LOCATION STROBES

MICROSTROBE® DIVISION 2 UL LISTED
The Model 490S-1280T and 490S-120T strobe light are UL listed for use in Class I & II, Division 2 hazardous locations. These units have a Lexan lens and base, polyurethane potted power supplies and are suitable for outdoor use in NEMA 4 locations. They may be operated in any position and feature a 1/2" pipe mount. UL Listed for Class I, div 2 Groups A, B, C, & D. Class II, div 2, Groups F & G.

SPECIFICATIONS
• Intensity
  CLEAR  50 Candela
  AMBER  40 Candela
  BLUE  20 Candela
  RED  10 Candela
  GREEN  20 Candela
• 60 to 80 Flashes per Minute
• 1.75 joule power supply, 60-80 FPM
• Temp Code: Class I T2C 230°C, Class II T6 380°C. Do not install where the operating temperature exceeds the ignition temperature of the hazardous atmosphere.
• -40 Degree C to +55 Degree C
• 5" tall X 3" dia., 0.6 lbs.
• Model 490S-120T has built-in triac to prevent false operation from snubber leakage current caused by switching on and off from a solid state relay.
• TEN YEAR WARRANTY

HEAVY DUTY DIV. 2 STROBES UL LISTED
The hazardous area group of strobes UL Listed for CLASS I DIV.2 GROUP A, B, C & D. CLASS II DIV.2 GROUP F & G. CLASS III DIV. 2. These units feature cast aluminum construction, tempered glass lenses and are suitable for outdoor use. Unique power supply design provides 120 thru 240 VAC and 12 thru 74 VDC input voltage.

SPECIFICATIONS
• Intensity
  CLEAR  80 Candela
  AMBER  60 Candela
  BLUE  40 Candela
  RED  25 Candela
  GREEN  30 Candela
• 8 joule power supply
• 75 Flashes per minute
• Temp Code: Class I T2A 280°C, Class II T6 850°C. Do not install where the operating temperature exceeds the ignition temperature of the hazardous atmosphere.
• 3/4" pendant mount
• -40 Degree C to +55 Degree C
• 8.5" tall X 5.4" dia., 3.2 lbs
• TWO YEAR WARRANTY

4375-1274  12-74 VDC 1.31 A/12V
4375-120  120-240 VAC  0.2 A/120 V
2001  Flashtube
4375-L  Lens (specify color)
Tomar Electronics introduces the Model 4000X family of Hazardous Location Div. 2 Strobe Lights engineered to perform in the harshest environments. Constructed of 30% glass-filled thermoset polyester, it is particularly well suited for installations in corrosive, wet NEMA 4X harsh environments, and hazardous locations. The high strength FRP material is resistant to the corrosive effects of most chemicals, hydrocarbons and solvents.

Typical applications include manufacturing plants, chemical and petrochemical processing facilities, sewage treatment plants, offshore and dockside installations, agricultural, commercial, industrial, mining and marine facilities.

Totally non-metallic, these warning lights are fully potted in urethane material with no exposure to high voltage possible. NEMA 4X rated in any mounting configuration - base up, down or side positions.

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>4024X</td>
<td>Xenon Strobe Body Only</td>
<td>12-80 VDC</td>
</tr>
<tr>
<td>4120X</td>
<td>Xenon Strobe Body Only</td>
<td>120 VAC</td>
</tr>
<tr>
<td>4240X</td>
<td>Xenon Strobe Body Only</td>
<td>240 VAC</td>
</tr>
</tbody>
</table>

Available Mounts & Guard Options

- NVP: Pendant Mount
- NVF: Flange/Ceiling Mount
- NVW: Wall Mount
- NVG: Dome Guard

**SPECIFICATIONS**

- Class I, div. 2 groups A, B, C & D
- Class 1, Zone 2, groups IIC, IIB, IIA
- Class II Div. 2 groups F & G, Class III
- CSA Enclosure Type 4X, IP66
- NEMA 4X, Marine Rated
- 10 year warranty on Power Supply
- 10,000 hour strobe tube
- Sealed construction
- 6 Lens Colors: Amber, Blue, Clear, Green, Purple & Red.
- 5001 Xenon Strobe Tube, 80 Flashes per Minute
- Temperature Range: -40C to +85C, Temp Code: T12
- Voltage/Amps: 400mA @ 12 VDC, 200mA @ 24 VDC, 040mA @ 120 VAC, 020mA @ 240 VAC

Unique mounts allow for Pendant, Flange or Wall mount installations. Buy just the mounting style you need. Optional dome guard is also available.

- UL 1598 Standard for luminaires
- UL 1598A Marine luminaires
- UL 844 Standard for lighting fixtures for hazardous locations
- UL 1638 Standard for visual signalling applications
- CSA C22.2 no. 137-M1981 electric luminaires for use in hazardous locations
- Enclosed and gasketed, NEMA 3, 4X, IP66

To the following standards
Tomar introduces a totally new LED warning Light. The MicroLert offers unique features not before seen in industrial signalling devices. It is the first such light designed from the ground up to take advantage of LED lighting technology.

MicroLert features an integral inverted cone design to provide full 360 degree coverage. The MicroLert lens is engineered for maximum light output and color clarity, and allows more of the LED light to be projected out than do conventional Fresnel lenses.

The tough Lexan Lens is spun welded to the base to completely seal out moisture. The MicroLert is UL listed and manufactured to NEMA 4X specification. It is available in five LED colors (amber, blue, green, red and white; and in steady burn and flashing models.

The MicroLert will operate over wide AC and DC input Voltage ranges. The DC version is designed to operate from 10-100 VDC and 16-36 VAC; the AC version from 85-265 VAC. The MicroLert is guaranteed against factory defects for a full 5 years.

**SPECIFICATIONS**
- 5 year warranty
- High Power LED
- NEMA 4X
- UL Listed
- Wide AC and DC input voltages
- 5 LED colors
- Lexan Lens
- Steady on or flashing
- Surface, Pipe or Thread mounts
- Sealed construction - NEMA 6P capable
- Lamp Type - LED
- Size: 3” diameter X 2 1/2” High
- Voltage and Amperage
  - 24 VDC: 198 mA for Single Flash
  - 120 VAC: 040 mA for Single Flash
  - 240 VAC: 020 mA for Single Flash

**FLASHING MODELS**
- 270LF-12-80: 12-80 VDC Surface Mount LED
- 290LF-12-80: 12-80 VDC 1/2” Pipe Mount LED
- 290LF-120-240: 120-240 VAC 1/2” Pipe Mount LED
- 295LF-12-80: 12-80 VDC 1/2” Male Thread LED
- 295LF-120-240: 120-240 VAC 1/2” Male Thread LED

**STEADY ON MODELS**
- 270LS-12-80: 12-80 VDC Surface Mount LED
- 290LS-12-80: 12-80 VDC 1/2” Pipe Mount LED
- 290LS-120-240: 120-240 VAC 1/2” Pipe Mount LED
- 295LS-12-80: 12-80 VDC 1/2” Male Thread LED
- 295LS-120-240: 120-240 VAC 1/2” Male Thread LED
Tomar Electronics introduces the Model 3000 family of LED Explosion Proof Lights. These warning Lights are UL Listed for Class 1, Division 1, Groups C & D; Class 2, Division 1, Groups E, F & G; Class 1, Division 2, Groups A & B; and Class 3. They are available in six LED colors (Amber, Blue, Green, Magenta, Red and White).

Tomar’s Explosion Proof LED lights feature a unique thermal management system that utilizes internal cooling fins to draw heat away from the LEDs. This allows for longer lamp life and more consistent light output. All electronics and LEDs are guaranteed against manufacturing defects for a full five years.

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>3024XLP</td>
<td>Pendant Mount 3/4&quot; hub</td>
<td>10-36 VDC</td>
</tr>
<tr>
<td>3124XLP</td>
<td>Pendant Mount 3/4&quot; hub</td>
<td>120-240 VAC</td>
</tr>
<tr>
<td>3024XLF</td>
<td>Flange Mount 3/4&quot; hub</td>
<td>10-36 VDC</td>
</tr>
<tr>
<td>3124XLF</td>
<td>Flange Mount 3/4&quot; hub</td>
<td>120-240 VAC</td>
</tr>
<tr>
<td>3024XLW</td>
<td>Wall Mount 3/4&quot; hub</td>
<td>10-36 VDC</td>
</tr>
<tr>
<td>3124XLW</td>
<td>Wall Mount 3/4&quot; hub</td>
<td>120-240 VAC</td>
</tr>
</tbody>
</table>

Options

| BEPG  | Guard |

SPECIFICATIONS

- Flash Rate - 80 single FPM, 40 double FPM
- Voltage and Amperage:
  - 167 mA @ 24 VDC for single flash
  - 033 mA @ 120 VAC for single flash
  - 017 mA @ 240 VAC for single flash
- Operating Temperature: -40 C to 85 C
- Temperature Code: T6
- Dip switch selectable single flash, double-flash, or steady burn mode.
- Unique Thermal Management System utilizes internal cooling fins to draw heat away from the LEDs. This allows for longer LED life and more consistent light output.
- Size and Weight:
  - 13.6’ Tall X 7.44’ Diameter
  - 10 lbs, 6 oz.
Tomar Electronics introduces the Model 7000 family of LED Super Explosion Proof Lights. These warning lights are UL Listed for Class 1, Division 1, Groups C & D; Class 2, Division 1, Groups E, F & G; Class 1, Division 2, Groups A & B; and Class 3. They are available in six LED colors (Amber, Blue, Green, Magenta, Red and White).

Tomar’s Super Explosion Proof LED lights feature a unique thermal management system that utilizes internal cooling fins to draw heat away from the LEDs. This allows for longer lamp life and more consistent light output. All electronics and LEDs are guaranteed against manufacturing defects for a full five years.

An internal switch allows for easy selection among steady-burning, single or double flash mode. Each light will operate over a wide AC and DC input voltage range. The DC version is designed to operate from 10-36 VDC; the AC version from 120-240 VAC.

The full sized 7000 Family series are constructed to NEMA 4X standards and are marine rated for use in salt water environments. Design features include housing made of die cast high strength copper-free aluminum alloy with baked powder epoxy finish, stainless steel hardware, O-ring sealed prestressed glass dome with double pitch acme threads for smooth assembly and ease of maintenance.

**ORDERING INFORMATION**

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<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>7024XLP</td>
<td>Pendant Mount 3/4&quot; hub</td>
<td>10-36 VDC</td>
</tr>
<tr>
<td>7124XLP</td>
<td>Pendant Mount 3/4&quot; hub</td>
<td>120-240 VAC</td>
</tr>
<tr>
<td>7024XLF</td>
<td>Flange Mount 3/4&quot; hub</td>
<td>10-36 VDC</td>
</tr>
<tr>
<td>7124XLF</td>
<td>Flange Mount 3/4&quot; hub</td>
<td>120-240 VAC</td>
</tr>
<tr>
<td>7024XLW</td>
<td>Wall Mount 3/4&quot; hub</td>
<td>10-36 VDC</td>
</tr>
<tr>
<td>7124XLW</td>
<td>Wall Mount 3/4&quot; hub</td>
<td>120-240 VAC</td>
</tr>
</tbody>
</table>

**Options**

- EPG Guard

**SPECIFICATIONS**

- Flash Rate - 80 single FPM, 40 double FPM
- Voltage and Amperage:
  - 167 mA @ 24 VDC for single flash
  - 033 mA @ 120 VAC for single flash
  - 017 mA @ 240 VAC for single flash
- Operating Temperature: -40 C to 85 C.
- Temperature Code: T6
- Dip switch selectable single flash, double-flash, or steady burn mode.
- Unique Thermal Management System utilizes internal cooling fins to draw heat away from the LEDs. This allows for longer LED life and more consistent light output.
- Size and Weight:
  - 14.5" Tall X 8.75" Diameter
  - 13 lbs.
SerIes 2000XL Div.2 HaZardous LocatIOn LED

by Tomar Electronics

Tomar Electronics introduces the Model 2000XL family of Hazardous Location Div. 2 LED Lights engineered to perform in the harshest environments. Constructed of 30% glass-filled thermoset polyester, it is particularly well suited for installations in corrosive, wet NEMA 4X harsh environments, and hazardous locations. The high strength FRP material is resistant to the corrosive effects of most chemicals, hydrocarbons and solvents.

Typical applications include manufacturing plants, chemical and petrochemical processing facilities, sewage treatment plants, offshore and dockside installations, agricultural, commercial, industrial, mining and marine facilities.

Totally non-metallic, these warning lights are fully potted in urethane material with no exposure to high voltage possible. NEMA 4X rated in any mounting configuration - base up, down or side positions. Unique mounts allow for Pendant, Flange or Wall mount installations. Buy just the mounting style you need or install directly onto approved panel surface. Optional dome guard is also available.

Available in either flashing or steady burn mode, this model will operate over a wide AC and DC input voltage range. The DC version operates from 10-100 VDC, and 16-36 VAC, and the AC version from 85-265 VAC.

- Class I, div. 2 groups A, B, C & D
- Class 1, Zone 2, groups IIC, IIB, IIA
- Class II Div. 2 groups F & G, Class III
- CSA Enclosure Type 4X, IP66
- NEMA 4X, Marine Rated
- 5 year warranty
- Sealed construction
- 5 Lens Colors: Amber, Blue, Green, Red & White.
- Temperature Range: -40°C to +85°C Code: T6
- Conduit Hubs: all 3/4 NPT
- 200 mA @ 24 VDC Flashing / 400 mA Steady Burn
- 040 mA @ 120 VAC Flashing / 085 mA Steady Burn
- 020 mA @ 240 VAC Flashing / 045 mA Steady Burn

ORDERING INFORMATION

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<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2024XLF</td>
<td>Flashing LED Body Only</td>
<td>12-80 VDC</td>
</tr>
<tr>
<td>2124XLF</td>
<td>Flashing LED Body Only</td>
<td>120-240 VAC</td>
</tr>
<tr>
<td>2024XLS</td>
<td>Steady Burn LED Body Only</td>
<td>12-80 VDC</td>
</tr>
<tr>
<td>2124XLS</td>
<td>Steady Burn LED Body Only</td>
<td>120-240 VAC</td>
</tr>
</tbody>
</table>

Available Mounts & Guard Options

- NVP: Pendant Mount
- NVF: Flange/Ceiling Mount
- NVW: Wall Mount
- NVGM: Compact Dome Guard

SPECIFICATIONS

to the following Standards

- UL 1598 Standard for luminaires
- UL 1598A Marine luminaires
- UL 844 Standard for lighting fixtures for hazardous locations
- UL 1638 Standard for visual signalling applications
- CSA C22.2 no. 137-M1981 electric luminaires for use in hazardous locations
- Enclosed and gasketed, NEMA 3, 4X, IP66
POWER ALARM® PROGRAMMABLE MULTI-SOUND INDUSTRIAL SIGNALS

The POWER ALARM® siren is a heavy duty industrial audible alarm designed to operate under adverse industrial conditions such as shock, vibration, or transient voltage surges. The models 1000 and 1100 POWER ALARMS are supplied with a plug-in single channel programmable sound module that generates 8 different rotary switch selectable sounds plus 4 additional sounds that can be selected remotely by customer switch. Remote feature requires RJ45-6 remote control cable. See chart below for details.

- 120 db at 4 ft.
- NEMA 4 circuitry enclosure.
- 100% all metal speaker, weatherproof construction.
- Speaker and plug-in programmable sound module included.
- -55 to + 60 degree C temperature range.
- 8" tall X 6" wide X 3" D enclosure
- 10 1/2" L X 19 1/2" tall X 10" W speaker, 15 lbs. Total.

Model Number Voltage/Amps
1000-120 120/240 AC, .5/.25
1100-12/24 12/24 DC, 0.7
1100-250 250 DC, 0.25

PARTS & ACCESSORIES (* factory installed options)
MULTISOUND Multi-Sound plug-in module
1001 Speaker
1000-PCB 120 VAC printed circuit board
1100-PCB 250 VDC printed circuit board
1100-PCB-12/24 12/24 VDC printed circuit board
/SSA NEMA 4 stainless steel enclosure
RJ45-6 Remote Control Cable

EXPLOSION PROOF POWER ALARM® PROGRAMMABLE MULTI-SOUND SIGNAL

The single sound channel EXPLOSION PROOF POWER ALARM® is a solid state audible device with a hard wired single channel programmable sound module that generates 8 different rotary switch selectable sounds plus 4 additional sounds that can be selected remotely by customer switch. Remote feature requires RJ45-6 remote control cable. See chart below for details.


Features include:
- 117 db at 4 ft, 109 db at 10 ft.
- 120 X 60 degree sound dispersion.
- Weatherproof construction, fiberglass horn & cast aluminum housing
- -55 to + 85 degree C temperature range
- NEMA 4X Marine rating.
- 14" W X 6" tall X 17 1/2"L, 24 lbs.

Model Number Voltage/Amps
1002WEP-120 120 VAC, 0.2
1002WEP-240 240 VAC, 0.1
1002WEW-24 24 VDC, 0.8
1001-WEP EP Speaker w/o circuitry
RJ45-6 Remote Control Cable

Multisound Siren Module Standard Rotary Switch Single Tone Selection Chart RJ45-6 Remote Control Cable Selections

<table>
<thead>
<tr>
<th>Switch Selection</th>
<th>Operation</th>
<th>Remote Control</th>
<th>Operation</th>
<th>Priority</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Selects Remote Control Operation</td>
<td>Orange Wire</td>
<td>Horn - Steady</td>
<td>1</td>
</tr>
<tr>
<td>1</td>
<td>8 Tone Parade Sequence</td>
<td>Black Wire</td>
<td>Two-Tone - Alternating</td>
<td>2</td>
</tr>
<tr>
<td>2</td>
<td>Wail - Conventional Siren</td>
<td>Red Wire</td>
<td>Yelp - Rapid Siren</td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>Yelp - Rapid Siren</td>
<td>Gray Wire</td>
<td>Wall - Conventional Siren</td>
<td>4</td>
</tr>
<tr>
<td>4</td>
<td>Two-Tone - Alternating</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Whoop - Ascending Low-High</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Yeow - Descending High-Low</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Horn - Steady</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Beep - Slow Intermittent Horn</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Stutter - Rapid Intermittent Horn</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
STATUS LIGHT

Up to 100 Watt incandescent status or indicator light. (Non-Flashing)
- Weatherproof Cast Aluminum
- Heat Resistant Glass Lens

7 1/2 " Tall X 5 1/2" dia. .35 lbs

Accessories:
BB-S Indoor Surface Back Box
WBB-S Weatherproof Back Box

HORNS

Weatherproof resonant grill type horns ideally suited for industrial signalling applications where high sound, low current draw and dependable operation are essential.
- UL Listed.
- 87 db @ 10 ft.
- Color is Gray

31T-115-S 120 AC, 160 mA

STROBE-HORNS

The strobe horn has the same specifications as the standard resonant grill horn, except for the addition of a flashing strobe light.
- 95 db @ 10 ft. UL Listed.
- White is standard, Red is available

MT4-115-WH-VNS 120 AC

MULTI-TONE SIGNAL

The Multi-Tone Electronic Signal is field selectable to provide eight distinct tones, with optional flashing strobe light. UL Listed.
- 91-97 dba @ 10 ft.
- White is standard, Red is available

Accessories:
I0B-W Surface Back Box for MT Series
BB-S Indoor Surface Back Box for MT4 and 31T Series
WBB-S Weatherproof Back Box for MT4 & 31T Series

STATUS LIGHT (specify color)

140030 Guard
EXPLOSION-PROOF BELLS

Rugged, reliable cast construction features hinged cover, cast back box for surface mounting with 1/2" threaded conduit entrances on top and bottom of housing and protective hood and guard for outdoor models.

UL listed for Class I, groups B, C & D. Class II, groups F & G.

CVX10-115AC-S Vibrating Indoor 10" Bell, 115 VAC, .22A, 90 db @ 10'
CVXG10-115AC-S Vibrating Outdoor 10" Bell, 115 VAC, .22A, 90 db @ 10'
CSX10-115AC-S Single Stroke Indoor 10" Bell, 115 VAC, .125A, 87 db @ 10'
CSXG10-115AC-S Single Stroke Outdoor 10" Bell, 115 VAC, .125A, 87db @ 10'
CSX10-24DC-S Single Stroke Indoor 10" Bell, 24 VDC, .5A, 87db @ 10'
CSXG10-24DC-S Single Stroke Outdoor 10" Bell, 24 VDC, .500A 87db @ 10'

AC & DC UL LISTED BELLS

Heavy Duty, vibration resistant bells feature easy to install unique back plate that attaches to the conduit box without removing the gong.

1005 4" 120 VAC Indoor Vibrating - pig tail - .09 amps
2005 6" 120 VAC Indoor Vibrating - pig tail - .09 amps
1003 4" 12 VAC Indoor Vibrating - pig tail - .8 amps
1004 4" 24 VAC Indoor Vibrating - pig tail - .35 amps
1105 4" 120 VAC Indoor Single Stroke - pig tail -.36 amps
1203 4" 12 VDC Indoor Vibrating - pig tail - .45 amps
2204 6" 24 VDC Indoor Vibrating - pig tail - .20 amps
2025 6" 120 VAC Outdoor Vibrating - .09 amps
2223 6" 12 VDC Outdoor Vibrating - .45 amps
2224 6" 24 VDC Outdoor Vibrating - .20 amps
2025 6" 120 VAC Outdoor Vibrating - .09 amps
3223 8" 12 VDC Outdoor Vibrating - .45 amps
3224 8" 24 VDC Outdoor Vibrating - .20 amps
3226 8" 240 VDC Outdoor Vibrating - .03 amps
MODERATE dba FOR LIFT TRUCKS

The "moderate dba" family features "heavy duty" construction and multi-voltage inputs. Model "AA" has self-adjustable sound level = 5db above surrounding noise. SAE J994

- 60 BPM
- Positive or negative ground
- Weatherproof
- Universal mounting
- Fiberglass reinforced nylon housing
- Temperature range -40F to +185F

1020-1248  12-48 VDC 102 db
9700    12-48 VDC 97 db SAE C
AA97  12-48 VDC 77-97 db Self-adjustable sound

- Size: 2.6"H X 4"W X 1.6" D
3" to 3.25" centers .5 lbs.

107 dba MODELS

Heavy duty construction 107 dba backup alarms for mobile equipment features multivoltage, weatherproof housing and "AA" self-adjusting sound level = 5db above surrounding noise.

- 60 BPM
- Positive or Negative Ground
- Universal Mounting
- Temperature range -40F to +185F

1070-1248 12-48 VDC 107 db
AA107-1248 12-48 VDC 82-107 db self-adjusting

- Size: 3.2" H X 5.2" W X 2.88" D
4" X 4.375" centers 1 lb

112 dba MODELS

- Model "AA" Self-Adjustable sound level = 5 db above surrounding noise
- Universal mounting bracket
- Weatherproof
- Fiberglass reinforced nylon housing

1120-1248 12-48 VDC 112 db
AA112-1248 12-48 VDC 87-112 db self-ad sound

- Size: 3" H X 5" W X 3.75" D
2" X 4" centers 1.4 lbs
**SIRENS**

**AC/DC Motor Driven Sirens & Multitone Electronic Signals**

**MOTOR DRIVEN SIREN**

These motor driven sirens are an ideal choice for all heavy duty applications. Designed to operate under the day-to-day conditions of steel mills, motor driven sirens produce a very loud high pitched signal easily heard over surrounding noise. The fully enclosed AC/DC motor is securely mounted inside a weatherproof steel housing that includes a screen for added protection.

**FEATURES**
- 120 and 250 AC/DC input voltage models
- UL listed for 120 AC/DC
- Weatherproof
- 117 db @ 10 ft. (measured in free air)
- Extra heavy duty bracket suitable for mounting on overhead cranes
- Bright red epoxy powder coated finish
- Size: 15 11/32” L X 7 1/2” Dia. 11 lbs.

**COMPLETE UNITS**
- F-2-117-120 120 AC/DC, 2.5 amps, 117 db, motor driven siren
- F-2-117-250 250 AC/DC, 1.25 amps, 117 db, motor driven siren

**PARTS**
- F-120 120 AC/DC Motor
- F-250 250 AC/DC Motor
- F-2-8 Mounting Bracket

**COMPACT ELECTRONIC MULTITONE SIREN**

Powerful, heavy duty electronic siren in a compact package, the E-4 offers 113 DB at ten feet and thirty two distinct sounds, including ISO certified and country specific warning sounds. All sounds can be obtained from a two wire supply. When versatility is a must, the E-4 is at home in a wide range of industrial, office, hotel and many other emergency signalling environments.

**FEATURES:**
- 113 DB @ 10 ft. Adjustable from 83-113 DB.
- 32 different sounds. (see below)
- Can be mounted with supplied base or with optional 4 X 4 electrical box.
- .015 amps @ 110 VAC, .008 amps @ 220 VAC.
- .06 amps @ 12 VDC, .03 amps @ 24 VDC
- Weatherproof if ceiling or wall mounted

**SOUNDS:**

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Banshee LF Buzz</td>
<td>2</td>
<td>Banshee Fast Sweep</td>
</tr>
<tr>
<td>3</td>
<td>Banshee Slow Sweep</td>
<td>4</td>
<td>Banshee Continuous</td>
</tr>
<tr>
<td>5</td>
<td>Banshee Fast Sweep (new)</td>
<td>6</td>
<td>Medium Sweep</td>
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<tr>
<td>7</td>
<td>Continuous</td>
<td>8</td>
<td>Back Up Alarm</td>
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<tr>
<td>9</td>
<td>Alternate</td>
<td>10</td>
<td>Medium Sweep</td>
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<tr>
<td>11</td>
<td>Alternate</td>
<td>12</td>
<td>Bedlam Buzz</td>
</tr>
<tr>
<td>13</td>
<td>Bedlam Fast Sweep</td>
<td>14</td>
<td>Bedlam Slow Sweep</td>
</tr>
<tr>
<td>15</td>
<td>Bedlam Continuous</td>
<td>16</td>
<td>Banshee HF fast Sweep</td>
</tr>
<tr>
<td>17</td>
<td>Back Up Alarm HF</td>
<td>18</td>
<td>Alternate HF</td>
</tr>
<tr>
<td>19</td>
<td>Slow Whoop</td>
<td>20</td>
<td>DIn Tone</td>
</tr>
<tr>
<td>21</td>
<td>French Fire Sound</td>
<td>22</td>
<td>Australian Alert Sound</td>
</tr>
<tr>
<td>23</td>
<td>Australian Evacuation Signal</td>
<td>24</td>
<td>US Temporal Tone</td>
</tr>
<tr>
<td>25</td>
<td>US Temporal Tone</td>
<td>26</td>
<td>Swedish Tone (fire)</td>
</tr>
<tr>
<td>27</td>
<td>Swedish Tone (all clear)</td>
<td>28</td>
<td>ISO 8201 LF</td>
</tr>
<tr>
<td>29</td>
<td>ISO 8201 HF</td>
<td>30</td>
<td>BT Banshee FP 1063.1</td>
</tr>
<tr>
<td>31</td>
<td>BT Banshee FP 1063.1</td>
<td>32</td>
<td>Bell Tone</td>
</tr>
</tbody>
</table>

**E-4-AC** 110 or 220 AC Multitone Electronic Signal
**E-4-DC** 9 to 30 DC Multitone Electronic Signal
MISCELLANEOUS SIGNALS & STOP AND GO LIGHTS

REVOLVING VEHICLE LIGHT
Twin sealed beam, 35,000 CP
- 90 FPM
- Weather & Corrosion resistant
9 1/2” tall X 8 1/2” dia. (specify color)

Note: Specify mounting for 120 VAC model: Pipe or Portable mount.

RL120 120 VAC
RL12 12 VDC
RL24 24 VDC

REVOLVING FORK TRUCK LIGHT
Economical revolving light
- 90 FPM
- 6, 12, 24, 36, 48 & 72 VDC
- 120 VAC
7 5/8” tall X 5 5/8” dia. (Specify color)

MV2-IND 6 to 72 VDC (Specify volts)
MV-110 120 VAC

VERY LOW PROFILE STROBE LIGHT
This extra low profile strobe will help solve signalling applications for low clearance locations.

- 12-120 VDC, 0.25 Amps/2 joules per flash
- 147mm Dia. X 50mm High
- Polycarbonate Lens
- Flash Rate: 72 Flashes per minute
- Flash Pattern: Single Flash
- Colors: Amber, Blue, Clear and Red
- Available with 8 Ft. flat cord and magnetic base

VLP-12-120 12-120 VDC Very Low Profile Strobe
VLP-12-120M 12-120 VDC with 8 ft. flat cord and magnetic base

LED STOP & GO LIGHT

- Reduce energy costs by 90% compared to incandescent lights.
- No filament = long life & no maintenance.
- Three year limited warranty on LED
- Yellow or black polypropylene housing
- 12 or 24 DC, or 115 AC voltage
- Lens diameter: 4 1/2 inches
- Size: 11 3/8” H X 6 3/4” W X 3 3/4” D
- Weight: 2 lbs.
- UL & cUL Listed.
- LED models can operate continuously due to low level of heat from LEDs.

SG-10-115RG-LED
SG-10-12RG-LED
SG-10-24RG-LED

SOLID STATE FLASHERS
Low Profile, economic, electronic incandescent flasher features solid state circuitry and low amp draw.
- 2 amps @ 12 VDC.
- Available in 12, 24, 36 and 48 DC, 120 AC
- Permanent mount standard, available in magnetic mount with cigarette lighter plug-in.

6 1/2” High X 5 3/8”Dia. Wt. 2 lbs

FFLP Solid State Flasher - specify DC Volts
FFLP-110 Solid State Flasher - 120 AC

BARRICADE FLASHER
Bi-directional flasher with magnetic base option & lexan lens. (specify color)
- 7” Diameter lens

BL-2W 6 V w/o battery
BL-2WS same with solar switch
BL-2WMB 6 V magnetic base w/o battery
BL-2WSMB Same with magnetic base option & solar switch
460 6 VDC spring type battery (2 needed)
MULTI-TONE HORN & LED OR STROBE COMBO

120 VAC MULTI-TONE HORN AND LED COMBO
Select a model specifically for your application, with a single LED light as shown above in either a Steady-Burn or Flashing model in combination with a Multi-Tone Horn offering the following tones: Horn, Bell, March Time Horn, Code-3 Horn, Code-3 Tone, Slow Whoop, Siren, Hi/Lo - all dip switch field selectable.

The Multi-Tone Horn/LED is designed with 1/2" conduit entry at the bottom of the junction box. A small diameter LED is attached to the junction box to provide wall mounting as an option.

SPECIFICATIONS:
• Indoor or outdoor applications - suitable for wall mounting
• Horn Sound Output: 79 to 88 dBA @ 10 Feet depending on tone selection.
• Horn Current Draw: .039 to .050 amps depending on tone selection.
• Heavy duty cast aluminum junction box with two 1/2" female conduit hubs.
• Junction Box Size with Horn: 4 1/8" X 4 1/8" X 2 7/8" Deep.
• Mounting Centers: 5" (3/16" Bolt Holes).
• Long life LEDs lasting over 100,000 hours.
• 24 LEDs per red, amber, & green sections & 12 LEDs per blue and white.
• Current Draw: 20 mA @ 120 AC.
• LED Size: 57 mm Dia. X 150 mm High for one LED Section.

120-MT4-SB-LED 120 VAC Multi-Tone Horn and Steady-Burn Single LED Combo
120-MT4-F-LED 120 VAC Multi-Tone Horn and Flashing/Steady-Burn Single LED Combo
MT4-115-S Multi-Tone Horn
WBB-S Back Box with 1/2" Hub on Top (Use with Horn)
STL-110-1 Single Module LED Steady Burn
STLF-110-1 Single Module LED Flashing

120 VAC MULTI-TONE HORN AND STROBE COMBO
Compact Horn Strobe combo for applications requiring more flash intensity. This economical setup in combination with a Multi-Tone Horn has the following tones: Horn, Bell, March Time Horn, Code-3 Horn, Code-3 Tone, Slow Whoop, Siren, Hi/Lo - all dip switch field selectable.

The Multi-Tone Horn/Strobe is designed with a 1/2" conduit entry at the bottom of the junction box. The strobe light used for this combination is the Tomar Brand Microstrobe.

SPECIFICATIONS:
• Indoor or outdoor applications - suitable for wall mounting
• Horn Sound Output: 79 to 88 dBA @ 10 Feet depending on tone selection.
• Horn Current Draw: .039 to .050 amps depending on tone selection.
• Heavy duty cast aluminum junction box with two 1/2" female conduit hubs.
• Junction Box Size with Horn: 4 1/8" X 4 1/8" X 2 7/8" Deep.
• Mounting Centers: 5" (3/16" Bolt Holes)
• Microstrobe flash intensity: 1.75 joules per flash, 60-80 FPM
• Current Draw: .04 amps @ 120 VAC
• Microstrobe Size: 5" Tall X 3" Dia
• Specify Lens Color: Amber, Blue, Clear, Green, Red or Purple

120-MT4-STROBE 120 VAC Multi-Tone Horn and Microstrobe Combo
490S-120 120 VAC 1/2" Pipe Mount Microstrobe
5001 Replacement Strobe Lamp
470S-L Replacement Lexan Lens
MT4-115-S Multi-Tone Horn
WBB-S Back Box with 1/2" Hub on top (Use with Horn only)

Contact Sales - For other voltages - 12 VDC and 24 VDC
For Two or Three Stack LED Modules in either Steady-Burn or Flashing
120 VAC SINGLE-TONE HORN AND LED COMBO

Select a model specifically for your application, with a single LED light as shown above in either a Steady-Burn or Flashing model in combination with a Single-Tone Horn.

The Single-Tone Horn/LED is designed with 1/2” conduit entry at the bottom of the junction box. A small diameter LED is attached to the junction box to provide wall mounting as an option.

SPECIFICATIONS:
• Indoor Applications - suitable for wall mounting
• Horn Sound Output: 95 dBA @ 10 Feet.
• Horn Current Draw: .160 amps.
• Heavy duty cast aluminum junction box with two 1/2” female conduit hubs.
• Junction Box Size with Horn: 4 1/8” X 4 1/8” X 2 7/8” Deep.
• Mounting Centers: 5” (3/16” Bolt Holes).
• Long life LEDs lasting over 100,000 hours.
• 24 LEDs per red, amber, & green sections & 12 LEDs per blue and white.
• Current Draw: 20 mA @ 120 AC.
• LED Size: 57 mm Dia. X 150 mm High for one LED Section.

120-31T-SB-LED
120 VAC Single-Tone Horn and Steady-Burn Single LED Combo

120-31T-F-LED
120 VAC Single-Tone Horn and Flashing/ Steady-Burn Single LED Combo

31T-115-S
Single Tone horn

WBB-S
Back Box with 1/2” Hub on Top (use for Horn)

STL-110-1
Single Module LED Steady Burn

STLF-110-1
Single Module LED Flashing

120 VAC SINGLE-TONE HORN AND STROBE COMBO

A compact Horn Strobe combo for applications requiring more flash intensity and an outdoor weatherproof design.

The Single-Tone Horn/Strobe is designed with a 1/2” conduit entry at the bottom of the junction box. The strobe light used for this combination is the Tomar Brand Microstrobe.

SPECIFICATIONS:
• 100% weatherproof - suitable for wall mounting
• Horn Sound Output: 95 dBA @ 10 Feet
• Horn Current Draw: .160 amps.
• Heavy duty cast aluminum junction box with two 1/2” female conduit hubs.
• Junction Box Size with Horn: 4 1/8” X 4 1/8” X 2 7/8” Deep.
• Mounting Centers: 5” (3/16” Bolt Holes)
• Microstrobe flash intensity: 1.75 joules per flash, 60-80 FPM
• Current Draw: .04 amps @ 120 VAC
• Microstrobe Size: 5” Tall X 3” Dia
• Specify Lens Color: Amber, Blue, Clear, Green, Red or Purple

120-31T-STROBE
120 VAC Single-Tone Horn and Microstrobe Combo

490S-120
120 VAC 1/2” Pipe Mount Microstrobe

5001
Replacement Strobe Lamp

470S-L
Replacement Lexan Lens

31T-115-S
Single Tone horn

WBB-S
Back Box with 1/2” Hub on Top (Use with Horn Only)

Contact Sales -
• For Two or Three Stack LED Modules in either Steady-Burn or Flashing.
• For Weatherproof LED applications
• For other voltages - 12 VDC and 24 VDC
STROBE STATUS LIGHTS

POWER STROBE® CRANE STATUS LIGHTS

The heavy duty POWER STROBE® makes possible an overhead crane status light suitable for the day-to-day applications of steel mills. The principle of operation is simple and cost effective. The two or three light system needs only one power supply to operate the single strobe head selected. The four light system has two power supplies to operate the blue (magnet) light at the same time as one of the other strobe heads.

If you use short life fragile incandescent status lights - switch to long life vibration resistant POWER STROBE® status lights. The built-in features of the POWER STROBE® anticipates the applications of overhead cranes.

FEATURES

• 1,000,000 Peak Candle Power Flash @ 90 FPM
• Heat resistant glass lenses mounted on a NEMA 3R box
• 10,000 hour lamp life
• Reverse polarity protection - Transient line voltage protection

3200-2-X/X 120 VAC two light POWER STROBE® status light
3200-3-X/X/X 120 VAC three light POWER STROBE® status light
3200-4-X/X/X/X 120 VAC four light POWER STROBE® status light
3000-2-X/X 250 VDC two light POWER STROBE® status light
3000-3-X/X/X 250 VDC three light POWER STROBE® status light
3000-4-X/X/X/X 250 VDC four light POWER STROBE® status light
140030 Glass Lens Guard

GENERAL PURPOSE STROBE STATUS SIGNAL

The versatile MICRO STROBE makes possible a general purpose strobe status signal that can be switched individually or simultaneously in any combination from two to five lights. Each MICRO STROBE has its own power supply.

FEATURES

• 120 VAC @ 0.04 A, 12 thru 80 VDC @ 0.4 A, 12 VDC
• 250,000 Peak Candlepower @ 60 to 80 FPM
• Impact resistant Lexan lenses in amber, blue, clear, red or green
• Leakage current by-pass option (/TRIAC) for 120 VAC units
• Potted power supply option suggested for 120 VAC models for wet locations.
• All models of Microstrobe are potted.

120 VAC MODELS 12 - 80 VDC MODELS

495S-120-2-X/X 495S-1280-2-X/X
495S-120-3-X/X/X 495S-1280-3-X/X/X
495S-120-4-X/X/X/X 495S-1280-4-X/X/X/X
495S-120-5-X/X/X/X/X 495S-1280-5-X/X/X/X/X
/TRIAC Leakage Current By-Pass

Note: Specify lens colors in place of "X" in the sequence to be mounted on the NEMA 3R box from left to right. (for both the General Purpose Status Signal and the Power Strobe Crane Status light).
The Model 440 MICROSTACK features multi-color and multi-format optical signalling using strobes and/or steady burning or flashing NEOBE lamps in any combination. NEOBE lamps are gas discharge lamps which have no filament to wear or break. All MICROSTACK modules operate over a worldwide AC input voltage range of 85-264 VAC 50/60 Hz. They all use the same type of lamp and maintain a constant brightness and flash rate over the entire range. MICROSTACK modules separate at any level by removing two screws. All MICROSTACK modules are sealed with O-rings against dust and can be used outdoors.

**ORDERING INFORMATION**

The Microstack can be ordered as a preassembled unit or as components or modules.

### PREASSEMBLED microstacks

<table>
<thead>
<tr>
<th>Fig.</th>
<th>Model No.</th>
<th>Specify Choices</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>440-1</td>
<td>One Module MICROSTACK</td>
</tr>
<tr>
<td>B</td>
<td>440-2</td>
<td>Two Module MICROSTACK</td>
</tr>
<tr>
<td>C</td>
<td>440-3</td>
<td>Three Module MICROSTACK</td>
</tr>
<tr>
<td>D</td>
<td>440-4</td>
<td>Four Module MICROSTACK</td>
</tr>
<tr>
<td>E</td>
<td>440-5</td>
<td>Five Module MICROSTACK</td>
</tr>
</tbody>
</table>

### MICROSTACK COMPONENTS

- **Model No.**
  - 440-BASE Base and cover less stand
  - 440-STAND Stand for base including gasket
  - 440S-X Strobe module including lamp (specify color)
  - 440SB-X Steady burn NEOBE including lamp (specify color)
  - 440FN-X Flashing NEOBE including lamp (specify color)
  - 5002 Spare lamp for NEOBE or strobe module
  - 440-T16 16" Extension Tube
  - 440-T32 32" Extension Tube

### SPECIFICATIONS

**Lamp Type 5002**

- **Voltage and Amperage**
  - 85-264 VAC 50/60 Hz
  - 7 Watts per module

- **Flash Rate**
  - 60 to 80 FPM

- **Size**
  - Dia. 3.32"/84 mm

- **Height**
  - 440-1 7.7" (196 mm)
  - 440-2 10.0" (254 mm)
  - 440-3 12.3" (312 mm)
  - 440-4 14.6" (371 mm)
  - 440-5 16.9" (429 mm)
Using the versatile MicroLert LED warning lights, it’s possible to assemble a Status Light Assembly suitable for a wide variety of status monitoring applications.

A typical application is the living quarters of an Oil Platform with a MicroLert LED Status Light installed to monitor gas detection equipment. One assembly does it all from a flashing red light to a steady burn green light with other colors in between either flashing or steady burning depending on the conditions monitored.

The MicroLert LED Status Light is actually an "A-La-Carte" monitoring assembly with which the user specifies the model number and location of each MicroLert mounted on the NEMA 3R box from two to five lights. For example if a three light assembly is needed, first select the NEMA 3R box, then the LED MicroLert Lights from left to right and Maxi-Signal will assemble them as specified.

Example Below: 3 Light LED MicroLert Status Light

<table>
<thead>
<tr>
<th>3-Box</th>
<th>3 Light NEMA 3R pre-punched box</th>
</tr>
</thead>
<tbody>
<tr>
<td>295LF-120-R</td>
<td>120 AC 1/2&quot; Male Thread flashing</td>
</tr>
<tr>
<td>295LF-120-G</td>
<td>120 AC 1/2&quot; Male Thread flashing</td>
</tr>
<tr>
<td>295LS-120-A</td>
<td>120 AC 1/2&quot; Male Thread Steady-on</td>
</tr>
</tbody>
</table>

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>295LF-120-240</td>
<td>120/240 AC 1/2&quot; Male Flashing</td>
</tr>
<tr>
<td>295LS-120-240</td>
<td>120/240 AC 1/2&quot; Male Steady Burn</td>
</tr>
<tr>
<td>295LF-1280</td>
<td>12-80 DC 1/2&quot; Male Flashing</td>
</tr>
<tr>
<td>295LS-1280</td>
<td>12-80 DC 1/2&quot; Male Steady Burn</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2-Box</th>
<th>2 Light NEMA 3R Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-Box</td>
<td>3 Light NEMA 3R Box</td>
</tr>
<tr>
<td>4-Box</td>
<td>4 Light NEMA 3R Box</td>
</tr>
<tr>
<td>5-Box</td>
<td>5 Light NEMA 3R Box</td>
</tr>
</tbody>
</table>

Specify MicroLert Model Numbers, Lens colors and location on the NEMA 3 box from left to right.

**SPECIFICATIONS**

- Tough Lexan Lens spun welded to the base to completely seal out moisture. NEMA 4X
- UL Listed with wide voltage range: 85-265 AC, 10-100 DC, DC models also include 16-36 AC.
- 5 LED colors: Red, Amber, Blue, Green or White.
- Steady burn or flashing.
- 24 DC = 198 mA, 120 AC = 40 mA
- MicroLert Size: 3" diameter X 2 1/2" High.
- Nema 3R Box sizes:
  - 2-Box = 4" X 4" X 12"  
  - 3-Box = 4" X 4" X 12"  
  - 4-Box = 4" X 4" X 24"  
  - 5-Box = 4" X 4" X 24"
250 DC OVERHEAD CRANE STATUS LIGHT

Using Heavy Duty Steady Burn LED male thread LED lights designed for 250 DC overhead cranes, it’s possible to provide long life trouble free status lights for this rough application. Choose from a two light system up to four lights in any combination of Red, Green, Amber or Blue Steady Burn LEDs mounted on a NEMA 3R enclosure, completely raintight.

The 250 DC Steady Burn 1/2" Male Thread LED is available as a separate unit, just order part number 250-SB-MT in one of the colors shown above. Enclosure rated at NEMA 3R, completely raintight.

SPECIFICATIONS
- • 250 DC circuitry designed to withstand overvoltage conditions and excessive vibration.
- • Current draw: .017 to .021 amps.
- • Voltage Range: 250 to 270 DC.
  250-3/R/A/G 3 Light 250 DC LED Status Light, - R, A, G
  250-2/R/G 2 Light 250 DC LED Status Light, - R, G
  250-SB-MT 250 DC Steady Burn LED Light - 1/2" Male Thread.
  Specify lens color - Red, Green, Amber or Blue.
- • Voltage Range: 250 to 270 DC.
  250-3/R/A/G 3 Light 250 DC LED Status Light, - R, A, G
  250-2/R/G 2 Light 250 DC LED Status Light, - R, G
  250-SB-MT 250 DC Steady Burn LED Light - 1/2" Male Thread.
  Specify lens color - Red, Green, Amber or Blue.
- • Ambient temperature -25C to +85C
120 AC OVERHEAD CRANE STATUS LIGHT
Using Heavy Duty Steady Burn LED male thread LED lights designed for 120 AC overhead cranes, it's possible to provide long life trouble free status lights for this rough application. Choose from a two light system up to four lights in any combination of Red, Green, Amber or Blue Steady Burn LEDs mounted on a NEMA 3R enclosure, completely raintight. The 120 AC Steady Burn 1/2” Male Thread LED is available as a separate unit, just order part number 120-SB-MT in one of the colors show above. Enclosure rated at NEMA 4X, completely weatherproof.

SPECIFICATIONS
- 120 AC circuitry designed to withstand overvoltage conditions and excessive vibration.
- Current draw: .020 amps
- Voltage Range: 120 AC to 130 AC.
- Size: 4 light NEMA 3R box = 4” X 4” X 24”
  3 light NEMA 3R box = 4” X 4” X 12”
  2 light NEMA 3R box = 4” X 4” X 12”
  120-SB-MT LED = 2 3/4” dia. X 6 3/8” high
- Ambient temperature -25C to +85C

120-SB-MSB-DB 120 AC Steady Burn Medium Base LED Light including Dust Barrier. Specify Lens Color.

120 AC STEADY BURN MEDIUM BASE LED
Replace fragile incandescent medium base bulbs with a long life vibration resistant LED Steady Burn light suitable for 120 AC overhead crane applications. Available in Red, Green, Amber or Blue lens colors.

SPECIFICATIONS
- 120 AC circuitry designed to withstand overvoltage conditions and excessive vibration.
- Current draw: .020 amps
- Voltage range: 120 AC to 130 AC
- Size: 2 3/4” dia. X 6 3/4” high.
- Ambient temperature -25C to +85C

120-SB-MSB 120 AC Steady Burn Medium Base LED Light. Specify Lens Color - Red, Green, Amber or Blue.

LINTERN RETRO FIT ASSEMBLY
Retro fit the model 120-SB-MSB Steady Burn LED to a Lintern Incandescent Fixture as easy as 1, 2, 3:
1. Remove Lintern Lens, but keep hardware, (screws & springs)
2. Attach the Lexan Plastic Dust Barrier to the top of the aluminum O ring with existing screws & springs.
3. Screw-in the medium base LED and thats it!

The result is a new Steady Burn LED light complete with a Dust Barrier.
120 AC & 250 DC STEADY BURN LED STATUS LIGHTS

250 DC OVERHEAD CRANE STATUS LIGHT
Using Heavy Duty Steady Burn LED medium base LED lights designed for 250 DC overhead cranes, it’s possible to provide long life, trouble free status lights for this tough application. This rugged light source employs 64 LEDs securely mounted on plastic strips providing uniform 360 degree illumination.

Just replace your fragile incandescent lamps with this steady burn LED and you now have long life vibration resistant LED lamps.

SPECIFICATIONS
• 250 DC circuitry designed to withstand overvoltage conditions and excessive vibration.
• Current draw: .017 to .020 amps
• Voltage range: 250 to 270 DC
• Overall Size: 2 3/4" Dia. (70.5mm) X 4" H (112mm) including screw base
• Fits into Lintern Model 900-X-1 Glowlite Fixture
• Ambient Temperature: -25 to +85 degrees C

• 250 VDC Model includes a bridge diode to provide reliable operation regardless of polarity.

250-LED-MSB-W 250 DC medium screw base white steady burn LED less Lens

120 AC OVERHEAD CRANE STATUS LIGHT
Using Heavy Duty Steady Burn LED medium base LED lights designed for 120 AC overhead cranes, it’s possible to provide long life, trouble free status lights for this tough application. This rugged light source employs 64 LEDs securely mounted on plastic strips providing uniform 360 degree illumination.

Just replace your fragile incandescent lamps with this steady burn LED and you now have long life vibration resistant LED lamps.

SPECIFICATIONS
• 120 AC circuitry designed to withstand overvoltage conditions and excessive vibration.
• Current draw: .020 amps
• Voltage range: 120 AC to 130 AC
• Size: 2 3/4" Dia. (70.5mm) X 4" H (112mm) including screw base
• Fits into Lintern Model 900-X-1 Glowlite Fixture
• Ambient Temperature: -25 to +85 degrees C

120-LED-MSB-W 120 AC medium screw base white steady burn LED less Lens
120, 240, 277 & 480 AC & 250 DC LED Flood Lights

Three Year Warranty - All Models

LED 50 WATT FLOOD LIGHT

This 50 Watt Medium Beam (120 Degrees) LED Flood Light provides an excellent light source for industrial applications replacing high maintenance Incandescent and expensive High Pressure Sodium & Metal Halide sources.

Because LED does not contain toxic Mercury, your lighting is much safer. These LED lamps have an average lifetime of 50,000 hours, giving you many years of maintenance free usage.

SPECIFICATIONS:
- Body material: Aluminum die casting
- Dimensions: 11.42" X 9.30", 10.32 lbs
- Color: White • 4600K - 5500K
- Wattage: 50 Watts • Lumens: 95-100 lm/Watt
- Average Life: 50,000 Hours
- Viewing Angle: 120 Degrees
- Voltage: 100-277 VAC, & 250 VDC
- DC model polarity Protected
- IP Degree: IP65 = Dust and water jet protection
- Ambient Temperature Range: -40+60C
- Certificates: ETL, CE, RoHS, & GS
- Magnetic Base Option: -MB

FL-50-100-277 100-277 VAC 50/60 Hz.
FL-50-250 250 DC 50 W. Medium Beam LED Flood Light
-MB Magnetic Base Option

LED 80 WATT FLOOD LIGHT

This 80 Watt Medium Beam (120 Degrees) LED Flood Light provides an excellent light source for industrial applications replacing high maintenance Incandescent and expensive High Pressure Sodium & Metal Halide sources.

Because LED does not contain toxic Mercury, your lighting is much safer. These LED lamps have an average lifetime of 50,000 hours, giving you many years of maintenance free usage.

SPECIFICATIONS:
- Body material: Aluminum die casting
- Dimensions: 11.22" X 14.17" , 16.42 lbs
- Color: White • 4600K - 5500K
- Wattage: 80 Watts • Lumens: 95-100 lm/Watt
- Average Life: 50,000 Hours
- Viewing Angle: 120 Degrees
- Voltage: 100-277 & 480 VAC & 250 VDC
- DC model polarity Protected
- IP Degree: IP65 = Dust and water jet protection
- Ambient Temperature Range: -40+60C
- Certificates: ETL, CE, RoHS & GS
- Plastic lens Option: -P

FL-80-100-277 100-277 VAC 50/60 Hz.
80 W. Medium Beam LED Flood Light
FL-80-250 250 DC 80 W. Medium Beam LED Flood Light
FL-80-480 480 VAC 50/60 Hz.
80 W. Medium Beam LED Flood Light
-P Plastic Lens Option

FL-80-480NB 480 VAC 50/60 Hz.
90 W. Narrow Beam LED Flood Light
-P Plastic Lens Option

LED 90 WATT FLOOD LIGHT

This 90 Watt Narrow Beam (60 Degrees) LED Flood Light provides a VERY BRIGHT light source for industrial applications replacing high maintenance incandescent and expensive High Pressure Sodium & Metal Halide sources.

Because LED does not contain toxic Mercury, your lighting is much safer. These LED lamps have an average lifetime of 50,000 hours, giving you many years of maintenance free usage.

SPECIFICATIONS:
- Body material: Aluminum die casting
- Dimensions: 11.22" X 14.17", 16.42 lbs
- Color: White • 4600K - 5500K
- Wattage: 90 Watts • Lumens: 95-100 lm/Watt
- Average Life: 50,000 Hours
- Viewing Angle: 60 Degrees
- Voltage: 100-277 & 480 VAC, & 250 VDC
- DC model polarity Protected
- IP Degree: IP65 = Dust and water jet protection
- Ambient Temperature Range: -40+60C
- Certificates: ETL, CE, RoHS & GS
- Plastic lens Option -P

FL-90-100-277NB 100-277 AC 50/60 Hz.
90 W. Narrow Beam LED Flood Light
FL-90-250NB 250 DC 90W. Narrow Beam LED Flood Light
FL-90-480NB 480 VAC 50/60 Hz.
90 W. Narrow Beam LED Flood Light
-P Plastic Lens Option
HEAVY DUTY 120 & 200 WATT LED TUNNEL LIGHTS

These 120 Watt LED & 200 Watt Tunnel flood lights are an excellent choice for applications where uniform lighting is needed in an area difficult to maintain. These LED fixtures provide low wattage, quiet operation, excellent color temperature and extremely long life. LED light sources do not contain toxic chemicals making them easier to dispose of at the end of life.

SPECIFICATION 120 WATT MODEL:
- Body Material: Aluminum
- Tempered sealed glass cover
- Lumens: 95-100 Lm/Watt
- Viewing Angle: 120 D.
- Color Temperature: White CCT = 4600 - 5500 K
- Working Temperature: -40°C +55°C
- Weatherproof construction: IP65 Grade
- Working life span: 50,000 hours
- Voltage: 100-277VAC, 480 VAC 50/60 Hz. & 250 VDC
- Dimensions: 22.36” Wide X 11.22” High X 3.66” Deep
- Weight: 27.34 Lbs
- Certificate: ETL Pending, CE, RoHS
- Warranty: 3 Years

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TL120-100-277</td>
<td>100-277 VAC, 120 W LED Tunnel Light</td>
</tr>
<tr>
<td>TL120-250</td>
<td>250 VDC 120 W LED Tunnel Light</td>
</tr>
<tr>
<td>TL120-480</td>
<td>480 VAC 120 W LED Tunnel Light</td>
</tr>
</tbody>
</table>

SPECIFICATION 200 WATT MODEL:
- Body Material: Aluminum
- Tempered sealed glass cover
- Lumens: 95-100 Lm/Watt
- Viewing angle: Medium Beam 120 D, Narrow Beam 60 D.
- Color Temperature: White CCT = 4600 - 5500 K
- Working Temperature: -40°C + 55°C
- Weatherproof construction: IP65 Grade
- Working life span: 50,000 hours
- Voltage: 100-277 VAC, 480 VAC 50/60 Hz. & 250 VDC
- Dimensions: 21.73” L X 15.69 ” H X 6.77” D., Weight: 38 Lbs
- Certificate: ETL Pending, CE, RoHS
- Warranty: 3 Years

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TL200-100-277</td>
<td>100-277 VAC, 200 W Medium Beam LED Tunnel Light</td>
</tr>
<tr>
<td>TL200-100-277NB</td>
<td>100-277 VAC 200 W Narrow Beam LED Tunnel Light</td>
</tr>
<tr>
<td>TL200-250</td>
<td>250 VDC 200 W Medium Beam LED Tunnel Light</td>
</tr>
<tr>
<td>TL200-250NB</td>
<td>250 VDC 200 W Narrow Beam LED Tunnel Light</td>
</tr>
<tr>
<td>TL200-480</td>
<td>480 VAC 200 W Medium Beam LED Tunnel Light</td>
</tr>
<tr>
<td>TL200-480NB</td>
<td>480 VAC 200 W Narrow Beam LED Tunnel Light</td>
</tr>
</tbody>
</table>
50 WATT LED FLOOD LIGHT WITH MAGNETIC BASE

Three Year Warranty

This 50 Watt Medium Beam (120 Degrees) LED Flood Light provides an excellent light source for industrial applications replacing high maintenance Incandescent and expensive High Pressure Sodium & Metal Halide sources.

Because LED does not contain toxic Mercury, your lighting is much safer. These LED lamps have an average lifetime of 50,000 hours, giving you many years of maintenance free usage.

SPECIFICATIONS:

• Body material: Aluminum die casting
• Dimensions: 11.42’ X 9.30’
• Weight: 9 lbs.
• Color Temperature: White • 4600K - 5500K
• Wattage: 50 Watts • Lumens: 95-100 lm/Watt
• Average Life: 50,000 Hours
• Viewing Angle: 120 Degrees
• Voltage: 100-277 VAC, & 250 VDC
• DC model polarity Protected
• IP Degree: IP65 = Dust and water jet protection
• Ambient Temperature Range: -40+60C
• Certificates: ETL, CE, RoHS & GS

FL-50-100-277MB  100-277 VAC 50 W. Medium Beam LED Flood Light with Magnetic Base
FL-50-250MB  250 DC 50 W. Medium Beam LED Flood Light with Magnetic Base
200 WATT LED FLOOD LIGHTS

Introducing high lumen output LED Flood Lights using proprietary single powerful 100 Watt LEDs as the light source, it's now possible to provide high bay flood lighting.

Because the LED does not contain toxic Mercury, your lighting is much safer. These LED lamps have an average lifetime of 50,000 hours giving you many years of maintenance free usage.

SPECIFICATIONS:

- Body Material: Aluminum die casting
- Dimensions: 21.73" long X 15.69" high X 6.77" deep
- Weight: 38 lbs.
- Color Temperature: White • 5000-6500K
- Wattage: 200 Watts, .827 amps @ 240 VAC
- Average Life: 50,000 hours
- Lumen output = 95-100 Lumens/Watt
- Ambient temp = -25C+60C
- Viewing angle: Narrow Beam = 60 D. Medium Beam = 120 D.
- Voltage: 100-277 VAC 50/60 Hz., 480 VAC 50/60 Hz. & 250 VDC
- DC Models polarity protected with MOV included for spike voltage protection
- IP Degree: IP65 = dust and water jet protection
- All Models feature High Temperature Vycor Tempered Glass Covers
- Certificates: ETL Pending, CE, RoHS, & GS

FL200-100-277  200 W Medium Beam LED Flood Light, 100-277 VAC (120/240/277 VAC)
FL200-100-277NB 200 W Narrow Beam LED Flood Light, 100-277 VAC (120/240/277 VAC)
FL200-250  200 W Medium Beam LED Flood Light, 250 VDC
FL200-250NB 200 W Narrow Beam LED Flood Light, 250 VDC
FL200-480  200 W Medium Beam LED Flood Light, 480 VAC
FL200-480NB 200 W Narrow Beam LED Flood Light, 480 VAC
LIGHTING EQUIPMENT

Circle D Heavy Duty Floodlights

The Circle D sealed beam flood lamp fixture is the number one choice of the maintenance departments of heavy industry. You will find this fixture used on equipment such as cranes, power shovels, pile drivers etc. Circle D lights are compact and rugged, built for continuous trouble free service. Features include:

- Thick wall cast aluminum housing
- Spring loaded adjusting socket
- Vertical and horizontal adjustment
- Double lamp support
- All weatherproof

**MODEL 601-150/200/300w INCANDESCENT FIXTURE**

Single light unit for 150PAR38, 200 or 300 watt R40 medium base lamp. (lamp not included)

601 R40 Medium base fixture
SY-406H Guard

**MODEL 101-200/300/500w INCANDESCENT FIXTURE**

Single light unit for 200, 300, 500 watt R40 Mogul base lamp. (lamp not included)

101 R40 Mogul base fixture
SY-400 Guard

**MODEL 101M-750,1000/1500W INCANDESCENT OR 250/400W MERCURY VAPOR FIXTURE**

Single light unit for 750 and 1000 watt R60 incandescent lamp, 1500W R80 incandescent lamp, and 250 or 400 W R60 Mercury Vapor Lamps. (lamps not included)

101M R60/R80 Mogul base fixture
SY-415 Guard

**MODEL 1802-DOUBLE 70W HPS FIXTURE**

Two light unit for 70W PAR38HPS sealed beam flood lamps, complete with 120 VAC NPF ballast and lamp. Also available as a single light fixture, model 1801.

1801 Single 70PAR38 HPS 120 V NPF
1802 Double 70PAR38 HPS 120 V NPF
AT-15 Photo cell (not shown)
SY-406-H Guard

**MODEL PF-52S HPS FIXTURE**

Excellent area light features Lexan lens, complete with NPF ballast and lamp.

PF-52-35 35W, 120 V HPS, NPF
PF-52-50 50W, 120 V HPS, NPF
AT-15 Photo Cell (not shown)

**MODEL 150-200/300/500W PORTABLE**

Single light unit for R40 incandescent lamp, mogul base and lamp. (Less cord.)

150G R40 Mogul base portable with guard and lamp

**MODEL 164-500PAR56 QUARTZ PORTABLE**

Single light unit for 500PAR56, 120 V quartz sealed beam lamp, up to 93,000 CP 5 degree narrow beam lamp. (Lamp included)

164G 500PAR56 120 V quartz portable with guard and lamp

**MODEL 1105-S MACHINE LIGHT**

Fully adjustable machine light for 150, 200 or 300 W PAR38 or R40 medium base lamps. (lamp not included)

1105-S Machine light

**MODEL 3011 MARINE LIGHT**

U. S. Coast Guard approved light for use with PAR56 lamps. (lamp not included)

3011 Marine light
P3011 Guard

**SHOCK MOUNTS**

P-18 Shock Mount (needs 202C Box)
202C Junction box with flange base
1/2" inlet two sided solid cover.
CRANE LIGHTS - METAL HALIDE LAMPS

Indoor Metal Halide Crane Lights

Outdoor Metal Halide Crane Lights

400 W MH Pulse Start Indoor Fixture
Cast aluminum spring loaded socket and reflector support provides a reliable indoor crane light for 400 W Pulse Start Metal Halide Lamps. Suitable for use in open fixtures.

Features:
• 25% increase in light output over standard MH Lamps.
• 50% faster warm-up and restrike time.
• 50% increase in life when compared to switch start MH Lamps.
• Protected Pulse Start Lamp contains arc tube rupture that can occur at the end of lamp life. In compliance with the NEC code and EISA.
• The EISA Ballast Requirement covers Wattages of 500 Watts or less.
• Size: 14" Dia. X 16 3/4" High
• Contains EX39 exclusionary "pink" mogul socket

400-CLPS Indoor 400 W. fixture for ED37, E37 or BT37 Pulse Start MH Lamps

400 W MH Pulse Start Outdoor Fixture
Cast Aluminum spring loaded socket to securely hold the 400 W Pulse Start MH Lamp against a cushion gasket. This double lamp support provides the best method to resist shock and vibration along with a weatherproof seal.

Features:
• Size: 14" Dia. X 19 1/2" High
• In compliance with NEC and EISA
• Contains EX39 exclusionary "Pink" Mogul Socket

400-WPSS Outdoor 400 W fixture for ED37, E37 or BT37 Pulse Start MH Lamp.

1000 W MH Type "O" Protected Lamp
Cast aluminum fixture featuring a spring loaded socket to securely hold the Type O Protected BT56 MH lamp. The Type-O Rated MH Lamps include an internal quartz shroud covering the Arc Tube to contain Arc Tube rupture that can occur at the end of lamp life.

Features:
• NEC Code compliant
• Contains EX39 exclusionary "pink" mogul socket.
• Size: 1000-CLPS: 14" Dia. X 19 3/4" High
• Size: 1000-RPS: 14" Dia. X 17" High

1000-CLPS Indoor 1000 W Fixture for Type O Protected BT56 Lamp
1000-RPS Outdoor 1000 W Fixture for Type O Protected BT56 Lamp

QUICK-PICK ORDERING CHART - Pulse Start & Type O Lamps

| Indoor - Pulse Start Lamp & Pulse Start Ballast | Outdoor - Pulse Start Lamp & Pulse Start Ballast |
|-------|--------|--------|---------|----------|-------|--------|--------|---------|----------|----------|
| 400   | 120/208/240/277/480 | 400-CLPS | MP400/BU/PS | 78E6522EE | 400   | Specify AC Voltage | 400-WPSS | MP400/BU/PS | 400-MH-PS-WP-BE |
| 1000  | 120/208/240/277 | 1000-CLPS | MP1000/BU | 78E5592 | 1000  | 120/208/240/277 | 1000-RPS | MP1000/BU | 79W6592 |
| 1000  | 480     | 1000-CLPS | MP1000/BU | 78E5542 | 1000  | 480     | 1000-RPS | MP1000/BU | 79W6542 |

NOTE: Contact Sales for 1000 Watt Pulse Start Metal Halide

Shock Mounts & Junction Boxes

P-19 Shock Mount 211 Junction Box SM-3/4 HD Shock Mt
CRANE LIGHTS - 250 DC MV & AC HPS

400-CL MV & HPS • 1000-CL HPS
Cast aluminum spring loaded socket and reflector support provides a reliable indoor cranelight for 250 VDC Mercury Vapor and AC HPS lamps. The highly polished reflector gives a medium beam spread. For additional protection against shock and vibration, include one of the shock mounts listed below.

The 250 VDC Mercury Vapor fixture and lamp combination utilizes a current limiting resistor for operation of a 400 Watt mercury vapor lamp on 250 VDC input voltage. This resistor acts as a special ballast for 250 VDC and is intended for overhead crane application only, not for general illumination.

400-CL Indoor 400 W MV & HPS lamps, ED18, BT37, E37 & ED37.
1000-CL Indoor 1000 W HPS lamps, E25

Size 400-CL = 14” Dia. X 16 3/4” High
Size 1000-CL = 14” Dia. X 18 3/4” High

Notice: The H34GW-1000/DX lamp has been discontinued. Please call our sales department for assistance with replacement fixtures & resistor ballasts for 1000 W 250 VDC applications.

Shock Mounts & Junction Boxes

<table>
<thead>
<tr>
<th>P-19 Shock Mount</th>
<th>211 Junction Box</th>
<th>SM-3/4 HD Shock Mt</th>
</tr>
</thead>
</table>

400-WP, & 400-R MV & 750 W SB-MV
Cast aluminum weatherproof fixture featuring a spring loaded socket to securely hold Mercury Vapor and Self Ballasted Mercury Vapor lamps against a cushion gasket. This double lamp support provides the best method to resist shock and vibration. For additional protection against shock and vibration, include one of the shock mounts listed below.

400-WP Outdoor 400 Watt MV lamps, BT37, E37, ED37
14” dia. X 19 1/2” High
400-R Outdoor 400 Watt R60 MV Lamp no. H33LN-400 & 750 Watt R60 Self Ballasted 250 VDC lamps no. M750R5/7FL
14” Dia. X 16” High

Quick-Pick Ordering Chart

250 VDC Cranes - Mercury Vapor & Self Ballasted Mercury Vapor

<table>
<thead>
<tr>
<th>Watts</th>
<th>Voltage</th>
<th>Fixture</th>
<th>Lamp No.</th>
<th>Resistor Ballast No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>250 DC</td>
<td>400-R</td>
<td>H33LN-400</td>
<td>TBA14MVB</td>
</tr>
<tr>
<td>400</td>
<td>250 DC</td>
<td>400-CL</td>
<td>H33GL-400/DX</td>
<td>TBA14MVB</td>
</tr>
<tr>
<td>400</td>
<td>250 DC</td>
<td>400-WP</td>
<td>H33GL-400/DX</td>
<td>TBA14MVB</td>
</tr>
<tr>
<td>750</td>
<td>250 DC</td>
<td>400-R</td>
<td>M750R5/7FL</td>
<td>N.A.</td>
</tr>
</tbody>
</table>

AC Cranes - High Pressure Sodium (indoor only)

<table>
<thead>
<tr>
<th>Watts</th>
<th>Specify</th>
<th>400-CL</th>
<th>LU400</th>
<th>Select from list below</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>Specify</td>
<td>1000-CL</td>
<td>LU1000</td>
<td>Select from list below</td>
</tr>
</tbody>
</table>

High Pressure Sodium Ballasts (indoor only)

<table>
<thead>
<tr>
<th>Watts</th>
<th>Voltage</th>
<th>Lamp No.</th>
<th>Ballast No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>120/208/240/277</td>
<td>78E8493</td>
<td></td>
</tr>
<tr>
<td>400</td>
<td>480</td>
<td>78E8443</td>
<td></td>
</tr>
<tr>
<td>1000</td>
<td>120/208/240/277</td>
<td>78E8793-001</td>
<td></td>
</tr>
<tr>
<td>1000</td>
<td>480</td>
<td>78E8743-001</td>
<td></td>
</tr>
</tbody>
</table>
Solve 250 VDC cranelight lighting by installing MERCURY VAPOR resistor ballasts. Convert fragile, short life incandescent lighting into heavy duty long life mercury vapor.

The resistors employed in these ballasts are wire wound on ceramic cores. The enclosures are heavy gauge steel with the outdoor 400 Watt version in a NEMA 3 louvered box.

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>LAMP TYPE</th>
<th>OVERALL DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBA14MVB</td>
<td>1- 400 W. H33-1 Indoor/Outdoor</td>
<td>13.5&quot; H X 7&quot; W X 5&quot; D</td>
</tr>
<tr>
<td>2700</td>
<td>1- 1000 W. H34-12 Indoor</td>
<td>14&quot; H X 12&quot; W X 6&quot; D</td>
</tr>
</tbody>
</table>

NOTICE: The above Resistor Ballasts are for 250 DC Cranes and not for general illumination

Extend lamp life with this cast aluminum shock mount. The lighting fixture floats on a solid rubber base that absorbs shock and vibration. A ground connection is installed between the top and bottom of the shock mount for added safety.

- 100% weatherproof
- Extra thick casting
- 1/2" or 3/4" IPS models

Super Heavy Duty Shock Mount

SM-1/2 1/2" IPS SM
SM-3/4 3/4" IPS SM

This combination shock mount and junction box protects against shock and vibration while offering the added feature of a junction box. The shock mount must be ordered with the junction box. The junction box can be ordered separately.

- Four bolt flange base shock mount.
- 3/4" IPS inlet each end, solid cover junction box.
- 3/4" IPS for swivel arm.

Heavy Duty Shock Mount

P-19 Shock Mount
211 Junction Box
HEAVY DUTY QUARTZ FLOODLIGHTS

Extra heavy duty Aluminum housing featuring a shock mount option that qualifies these fixtures for applications of excessive vibration such as overhead cranes, steel mill material handling equipment including 250 VDC equipment. The unique shock mounts used with these fixtures float on a solid rubber base that absorbs shock and vibration. Models shown have shock mounts installed. Lamps not included.

Note: 240 V lamps are suitable for 250 VDC.

Fixtures:
- 500Q 500W Medium Beam 3/4" Swivel (not shown)
- 500QSM 500W Medium Beam 3/4" Swivel with shock mount
- 1500Q 1500W Medium Beam 3/4" Swivel (not shown)
- 1500QSM 1500W Medium Beam 3/4" Swivel with shock mount

Lamps:
- 500T3Q/CL 500 W 120 V Quartz lamp 12/ctn
- 500T3Q/CL/240 500W 240 V Quartz lamp 12/ctn
- 1500T3Q/CL 1500W 240 V Quartz lamp 12/ctn

Parts:
- L-1 1500W Glass fixture lens
- L-2 500W Glass fixture lens
- SM-3/4 3/4" Heavy duty shock mount
- SM-1/2 1/2" Heavy duty shock mount
## Self Ballasted Mercury Vapor Lamps

Outstanding Features:
- Up to 16,000 hours lamp life
- 60% brighter than incandescent lamps
- Need no ballast
- Will start below 0°F. Full range of voltage & wattage.

## MERCANDESCENTS for 115V—120V

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description (See Footnote No.)</th>
<th>Nominal Watts</th>
<th>Bulb</th>
<th>Base and Burning Positiona</th>
<th>Voltsb</th>
<th>Std. Pkg</th>
<th>Max. Overall Length (Inches)</th>
<th>Approx. Initial Lumens</th>
<th>Max. Beam Candle-power</th>
<th>Starting Current (Amps.)</th>
<th>Operating Current (Amps.)</th>
<th>Average Hours Lifea</th>
</tr>
</thead>
<tbody>
<tr>
<td>M100R2/W</td>
<td>Deluxe White</td>
<td>100</td>
<td>B-21k Med.</td>
<td>120 24 6½</td>
<td>1650</td>
<td>—</td>
<td>1.1</td>
<td>.8</td>
<td>12000</td>
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</tr>
<tr>
<td>M160PS2/W</td>
<td>Super White</td>
<td>160</td>
<td>PS-30k Med.</td>
<td>120 24 7½</td>
<td>3125</td>
<td>—</td>
<td>1.6</td>
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<tr>
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<td>E-23k Med.</td>
<td>120 24 6½</td>
<td>3125</td>
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<tr>
<td>M160C3/W</td>
<td>Super White</td>
<td>160</td>
<td>E-23k Med.</td>
<td>120 24 6½</td>
<td>3125</td>
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<td>1.6</td>
<td>1.3</td>
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<tr>
<td>M160R3/FL</td>
<td>Refl. Flood</td>
<td>250</td>
<td>R-40k Med.</td>
<td>120 24 6½</td>
<td>1400</td>
<td>1</td>
<td>1.6</td>
<td>1.3</td>
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<td>M160PAR2/FL</td>
<td>Proj. Flood</td>
<td>250</td>
<td>PAR-38k Med. Skt.</td>
<td>120 24 6½</td>
<td>4200</td>
<td>1</td>
<td>1.6</td>
<td>1.3</td>
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<tr>
<td>M250PS2/W</td>
<td>Super White</td>
<td>250</td>
<td>PS-35n Med.</td>
<td>120 24 9½</td>
<td>5750</td>
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<td>12000</td>
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<td>M250PS4/W</td>
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<td>250</td>
<td>E-28n Med.</td>
<td>120 24 8½</td>
<td>5750</td>
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<td>M250E3/W</td>
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<td>250</td>
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<td>120 24 8½</td>
<td>5750</td>
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<td>R-40n Med.</td>
<td>120 24 6½</td>
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<td>Refl. Flood</td>
<td>250</td>
<td>R-40n Med.</td>
<td>120 24 7</td>
<td>2650</td>
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<td>E-28n Med.</td>
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<td>Refl. Flood</td>
<td>300</td>
<td>R-40n Med.</td>
<td>120 12 7</td>
<td>2900</td>
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<td>R-57n Med.</td>
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<td>R-57n Med.</td>
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<td>5000</td>
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<td>BT-46n Med.</td>
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<td>R-60n Med.</td>
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<td>16000</td>
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</tr>
</tbody>
</table>

### Special Heat Resistant Glass

(1) Burning position—Any
(2) A.C. 50-60 cycles. 120V Lamps can be used in voltage range 115V to 135V. High voltage lamps (230V—277V) can also be operated on D.C.
(3) Based on eight or more hours per start
(4) For indoor use. Outdoors, use enclosed fixture.
(5) Hard glass for indoor or outdoor use.
(6) Hard glass for indoor or outdoor use. Outdoors, in base-down operation, use enclosed fixture. In base-up operation, lamp can be used in open-face fixture to 30° below horizontal.
(7) Inner metallic reflector
(8) Phosphor coated and inner metallic reflector
(9) Can be used in voltage range 200V to 224V.
(10) Can be used in voltage range 225V to 249V.
(11) Can be used in voltage range 200V to 219V.
(12) Can be used in voltage range 220V to 239V.
(13) Can be used in voltage range 240V to 259V.
(14) Can be used in voltage range 200V to 235V.
(15) Can be used in voltage range 236V to 280V.
INDUSTRIAL FANS

MANCOOLERS
Standard "T" base mounting, these low noise level, heavy duty units provide man cooling and process cooling for both open work areas and spot cooling. Their rugged construction equals that of a permanent fan, yet can be easily positioned and adjusted for directional flow. In accordance with OSHA and AMCA standards.

M24B1 24", 1 HP, 1750 RPM, 7200 CFM
M24B1.5 24", 1.5 HP, 1750 RPM, 8200 CFM
M24B2 24", 2 HP, 1750 RPM, 9200 CFM
M24B3/4X 24", 3/4 HP, 1140 RPM, 6600 CFM
M36B5 36", 5 HP, 1750 RPM, 25,100 CFM
M36B2X 36", 2 HP, 1140 RPM, 17,000 CFM
M36B3X 36", 3 HP, 1140 RPM, 20,000 CFM
M36B5X 36", 5 HP, 1140 RPM, 24,900 CFM

CRANE CAB FANS
Standard adjustable base mount -TB Tripod base

C12A 12", 1/3 HP, 1750 RPM, 1500 CFM, 250 VDC
C16A 16", 1/3 HP, 1750 RPM, 2800 CFM, 250 VDC
C18A 18", 1/3 HP, 1750 RPM, 3400 CFM, 250 VDC

DRUM STYLE MANCOOLERS
Standard "T" base mounting, the drum style units offer the same performance characteristics as the popular Mancoolers, but with the added feature of greater air direction. This helps condition difficult to reach areas and provides even greater spot cooling of equipment and processing operations.

D36B5 36", 5 HP, 1750 RPM, 25,100 CFM
D36B2X 36", 2 HP, 1140 RPM, 17,000 CFM
D36B3X 36", 3 HP, 1140 RPM, 20,000 CFM
D36B5X 36", 5 HP, 1140 RPM, 24,900 CFM
D42B7.5 42", 7.5 HP, 1750 RPM, 30,000 CFM
D42B3X 42", 3 HP, 1140 RPM, 23,500 CFM
D42B5X 42", 5 HP, 1140 RPM, 28,000 CFM
D42B7.5X 42", 7.5 HP, 1140 RPM, 32,500 CFM

Consult sales department for other accessories, plugs, wiring, starters, aluminum propellers and other motor types.
ELECTRIC UNIT HEATERS - UL LISTED

<table>
<thead>
<tr>
<th>CATALOG NO.</th>
<th>VOLTAGE</th>
<th>KW</th>
<th>PHASE</th>
<th>CONTACTOR</th>
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</thead>
<tbody>
<tr>
<td>AUH-248-SA</td>
<td>240</td>
<td>2.5</td>
<td>1</td>
<td>Not Needed</td>
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<tr>
<td>AUH-348-SA</td>
<td>480</td>
<td>3.3</td>
<td>3</td>
<td>Built-in</td>
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<tr>
<td>AUH-548-SA</td>
<td>480</td>
<td>5</td>
<td>1 or 3</td>
<td>Built-in</td>
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<tr>
<td>AUH-748-SA</td>
<td>480</td>
<td>7.5</td>
<td>1 or 3</td>
<td>Built-in</td>
</tr>
<tr>
<td>AUH-1048-M</td>
<td>480</td>
<td>10</td>
<td>1 or 3</td>
<td>Built-in</td>
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<tr>
<td>AUH-1248-M</td>
<td>480</td>
<td>12.5</td>
<td>1 or 3</td>
<td>Built-in</td>
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<tr>
<td>AUH-1548-M</td>
<td>480</td>
<td>15</td>
<td>1 or 3</td>
<td>Built-in</td>
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</table>

Specify - PORTABLE to order Portable Electric Unit Heaters

UNIT HEATERS ACCESSORIES AND CONTROLS

- **CWB-1**: Combination wall/ceiling bracket for 2.5 thru 15 KW units. Not needed on S models.
- **WB-1A**: One-piece wall mounting bracket for 2.5 thru 15 KW units. Not needed on S models.
- **CB-1A**: One-piece ceiling mounting bracket for 2.5 thru 15 KW units. Not needed on S models.
- **AUH-TA-1**: Single pole thermostat fit for field installation in all units except three phase AUH-520 and AUH-524. 40 - 150 F.
- **AUH-TA2**: Double line thermostat kit for field installation in three phase AUH-520 and AUH-524 units. 50 to - 150 F.

PORTABLE HEATERS

<table>
<thead>
<tr>
<th>CATALOG NO.</th>
<th>WATTS</th>
<th>VOLTS</th>
<th>PHASE</th>
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<td>SH135431</td>
<td>13,500</td>
<td>480</td>
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<td>PPH643</td>
<td>6,000</td>
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<tr>
<td>PHX454</td>
<td>4,500</td>
<td>480</td>
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Not supplied with cord (Available as option). Price includes heavy duty protective screen.
**CRANE CAB HEATERS - 220 to 250 VDC**

<table>
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<tr>
<th>CATALOG NO.</th>
<th>SWITCH</th>
<th>WATTS</th>
<th>HEIGHT</th>
<th>WIDTH</th>
<th>DEPTH</th>
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<td>A-230CH-1</td>
<td>No</td>
<td>1 KW</td>
<td>8&quot;</td>
<td>20.75&quot;</td>
<td>4.25&quot;</td>
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<tr>
<td>A-230CH-1-S</td>
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<td>1 KW</td>
<td>8&quot;</td>
<td>20.75&quot;</td>
<td>4.25&quot;</td>
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<tr>
<td>A-230CH-2</td>
<td>No</td>
<td>2 KW</td>
<td>8&quot;</td>
<td>20.75&quot;</td>
<td>4.25&quot;</td>
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<tr>
<td>A-230CH-2-S</td>
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<td>2 KW</td>
<td>8&quot;</td>
<td>20.75&quot;</td>
<td>4.25&quot;</td>
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<tr>
<td>A-230CH-4</td>
<td>No</td>
<td>4 KW</td>
<td>13.25&quot;</td>
<td>20.75&quot;</td>
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<td>20.75&quot;</td>
<td>4.25&quot;</td>
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<tr>
<td>A-230CH-2/2-S</td>
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<td>4 KW (2+2)</td>
<td>13.25&quot;</td>
<td>20.75&quot;</td>
<td>4.25&quot;</td>
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<tr>
<td>A-230CH-6</td>
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<td>6 KW</td>
<td>13.25&quot;</td>
<td>20.75&quot;</td>
<td>4.25&quot;</td>
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<tr>
<td>A-230CH-6-S</td>
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<td>6 KW</td>
<td>13.25&quot;</td>
<td>20.75&quot;</td>
<td>4.25&quot;</td>
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<tr>
<td>A-230CH-2/2/2-S</td>
<td>Yes</td>
<td>6 KW (2+2+2)</td>
<td>13.25&quot;</td>
<td>20.75&quot;</td>
<td>4.25&quot;</td>
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</table>

* Heavy-duty wirewound heating elements.

Natural convection heaters are ideal for heating crane cabs, guard houses and other normally unheated areas. All heaters feature heavy-duty wirewound heating elements mounted in a rugged galvanized steel enclosure with perforated cover. All units are suitable for floor or wall mounting and have convenient knockouts for permanent conduit installation. Heavy-duty DC rated switches are also available for on/off or multiple heat settings.
**RMS Series**

The RMS series of manual pull stations are a high quality non toxic and low profile design with smooth edges that offer an attractive yet functional design. All components are prepainted or have plated surfaces to inhibit corrosion. Electrically the RMS series manual pull station is unbeatable with 10 amp snap action switch offered in all possible contact arrangements.

**FEATURES - ALL MODELS**
- UL
- single or dual action
- Break Glass
- Lift and Pull
- 9 different colors
- Custom Lettering available in any language

**RMS Models:**
- RMS-1P  S.P.S.T. w/pigtail connection
- RMS-1T  S.P.S.T. w/terminal connection
- RMS-2T  D.P.S.T. w/terminal connection
- RMS-LP  S.P.S.T. w/terminal Lift & Pull (dual)
- RMS-BG  D.P.D.T. w/terminal break glass (dual)

**OPTIONS & ACCESSORIES - ALL MODELS**
- GR    Glass rods
- GP    Replacement Glass
- BB    Indoor Back Box (surface mount)
- DBB   Deep indoor back box (surface mount)
- NC-BGC Break Glass Cover

**AVAILABLE COLORS:**
Red, Blue, Green, Yellow, White, Black, Grey, Purple (magenta) Orange

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**RMS-EX-WP Series**

The RMS-EX-WP series of explosion proof and weather proof manual pull stations are constructed of high strength metal die-cast alloy and the finest workmanship available. The RMS-EX-WP series have a UL rating of Class I, division 1, Group B (hydrogen) C & D, Class II, division 1, Groups E, F & G, Class III and an outdoor rating of type NEMA 4X. Electrically the RMS-EX-WP series manual pull station is unbeatable with 10 amp snap action switch offered in all possible contact arrangements.

**RMS-EX-WP Models**
- RMS-EX-WP  D.P.D.T. w/terminal connection
- RMS-EX-WP-LP  D.P.D.T. w/terminal connection (Lift & Pull dual action)
- RMS-EX-WP-BG  D.P.D.T. w/terminal connection Break Glass (dual action)

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**RMS-WP Series**

The RMS-WP series of weatherproof NEMA 4X rated manual pull stations are a high quality non toxic and low profile design with smooth edges that offer an attractive yet functional design. All components are prepainted or have plated surfaces to inhibit corrosion. Electrically the RMS-WP series manual pull station is unbeatable with 10 amp snap action switch offered in all possible contact arrangements.

**RMS-WP Models**
- RMS-PWP  S.P.S.P w/pigtail connection
- RMS-TWP  S.P.S.T. w/terminal connection
- RMS-2WP  D.P.S.T. w/terminal connection
- RMS-WP-LP  D.P.D.T. w/terminal connection Lift & pull (dual action)
- RMS-WP-BG  D.P.D.T. w/terminal connection Break Glass (dual action)

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**BREAK GLASS COVER**

The cover is made of heavy gauge steel and offers the user the proven glass break deterrent.

**NC-BGC** Break Glass Cover
STROBE POWER SUPPLIES - two outlets

772P-1228 Strobe Power Supply
The model 772P is an economical remote strobe power supply designed to alternately flash two remote strobe heads at a rate of 70 double flashes per minute each. The unit is small for easy mounting in hard to fit areas. The 772P is fully potted making it vibration and water resistant. For 100% weatherproof application specify -WP weatherproof connectors. The unit features polarity protection, continuous duty circuitry and RFI filters. The 772P operates from 12-28 DC and is fully protected against shorts or opens in the lamp wiring. The power supply is constructed with a glass filled Lexan case and polyurethane potting.

ORDERING INFORMATION
772P-1228 2 Lamp, 45 Watts, DF, 12-28 DC
772P-1228-WP 2 Lamp, 45 Watts, DF, 12-28 DC, WP Connectors

SPECIFICATIONS
Power Requirements:
Draws 4.25 amps avg. @ 12 DC tapering to 2.125 amps avg. @ 24 DC
Output Power Rating:
45 Watts Minimum
Flash Rate:
70 DFPM/Head Minimum
Size:
7.125’ (181 mm) X 3.75’ (44 mm)
Weight:
2.5 lbs (1.12 kg)
Warranty:
Five year warranty

400-1228/401-1228 Mini NEOBE Power Supply
The model 400 is a low cost remote NEOBE power supply designed to alternately flash any two remote strobe heads at a rate of 60 bursts per minute each. The unit is a tiny 2’ X 3’ X 1.5’ for easy mounting in any area. The 400 is fully potted making it vibration and water resistant. For 100% weatherproof application specify -WP weatherproof connectors. The unit features polarity protection, continuous duty circuitry, and RFI filters. The 400 operates on 12 thru 28 DC and is fully protected against short or opens in the lamp wiring.

ORDERING INFORMATION
400-1228 2 Lamp, 20 Watts, 12-28 DC
400-1228-WP 2 Lamp, 20 Watts, 12-28 DC, WP Connectors
401-1228 1 Lamp, 20 Watts, 12-28 DC
401-1228-WP 1 Lamp, 20 Watts, 12-28 DC, WP Connectors
401-CF-1228 1 Lamp, 20 Watts, 12-28 DC Continuous Flash
401-CF-1228-WP 1 Lamp, 20 Watts, 12-28 DC, CF, WP Connectors

SPECIFICATIONS
Power Requirements
Draws 1.85 amps avg. @ 12 DC tapering to 0.9 amps avg. @ 24 DC
Output Power Rating:
20 Watts Minimum
Flash Rate:
60 Bursts per minute/Head, 6 Flashes per burst
Construction:
ABS Case, Polyurethane Potting
Size:
2’ (50mm) X 3’ (76.2mm) X 1.5’ (38mm)
Weight:
0.6 lbs (276mm)
Mounting Holes:
2 Holes, 0.187’ Dia. (4.75mm) on 2’ (50mm) Centers
STROBE POWER SUPPLIES - four & six outlets

770P-1228 Strobe Power Supply
The model 770P remote strobe power supply is designed to alternately flash two groups of remote strobe heads in either high or low intensity and normal or pursuit flash rate. The 770P is controlled manually by 4 customer provided SPST low current switches which select low-high intensity, flash rate, lamp group 1 on-off control and lamp group 2 on-off control. All functions may be wired to allow control by a single low current switch if desired. The 770P operates from 12-28 DC and is fully potted making it vibration and water resistant. For 100% weatherproof applications specify the -WP weather proof connectors. It also features polarity protection, heavy duty precision circuitry and RFI filters. The power supply is constructed with a glass filled Lexan case and polyurethane potting.

ORDERING INFORMATION
770P-1228
4 Lamp, 65 Watts, with head cut-out circuitry, intensity control, normal and pursuit flash rates, 12-28 DC
770P-1228-WP
Same as above with -WP Connectors

SPECIFICATIONS
Power Requirements:
Draws 6.0 amps avg. @ 12 DC tapering to 3.0 amps avg. @ 24 DC
Output Power Rating:
65 Watts Minimum in High Intensity
NORMAL Flash Rate, 2 Groups Running
Flash Rate:
NORMAL rate 70 DFPM/Head Minimum (140 FPM Total)
Pursuit rate 170 DFPM/Head Minimum (340 FPM Total)
Control Features:
On-Off and all features are controlled by switching positive, low battery voltage. The main battery power may be left connected to the supply at all times. Current draw is less than 100 microamps in standby.
Size:
7.125’ (181mm) X 3.75’ (95mm) X 2.50’ (64mm)
Weight:
3.5 lbs (1.56 kg)
Warranty:
Five Year Warranty

776-1228 Strobe Power Supply
The model 776 remote strobe power supply is designed to alternately flash two groups of remote strobe heads in either high or low intensity and normal or pursuit flash rate. The 776 is controlled manually by 4 customer provided SPST low current switches which select low-high intensity, flash rate, lamp group 1 on-off control and lamp group 2 on-off control. All functions may be wired to allow control by a single low current switch if desired. The 776 operates from 12-28 DC and is fully potted making it vibration and water resistant. For 100% weatherproof applications specify the -WP weather proof connectors. It also features polarity protection, heavy duty precision circuitry and RFI filters. The power supply is constructed with a glass filled Lexan case and polyurethane potting.

ORDERING INFORMATION
776-1228
6 Lamp, 65 Watts, with head cut-out circuitry, intensity control, normal and pursuit flash rates, 12-28 DC
776-1228-WP
Same as above with -WP Connectors

SPECIFICATIONS
Power Requirements
Draws 6.0 amps avg. @ 12 DC tapering to 3.0 amps avg. @ 24 DC
Output Power Rating:
65 Watts Minimum in High Intensity
NORMAL Flash Rate, 2 Groups Running
Flash Rate:
NORMAL rate 70 DFPM/Head Minimum (140 FPM Total)
Pursuit rate 170 DFPM/Head Minimum (340 FPM Total)
Control Features:
On-Off and all features are controlled by switching positive, low battery voltage. The main battery power may be left connected to the supply at all times. Current draw is less than 100 microamps in standby.
Size:
7.125’ (181mm) X 3.75’ (95mm) X 2.50’ (64mm)
Weight:
3.5 lbs. (1.56kg)
Warranty:
Five Year Warranty
REMOTE STROBE HEADS 360 DEGREES
by Tomar Electronics

Tomar’s remote strobe lightheads are designed to be used with all Tomar’s strobe or NEOBE remote power supplies. Tomar’s remote strobe lightheads feature 360 degree Lexan lenses. The Model 801 remote strobe head features a low profile Lexan MINILITE lens and a lightweight base that can be flange mounted, 1/2” pipe mounted or surface mounted. The Model 800 Remote strobe head features a medium profile Lexan lens and a lightweight base that can be flange mounted, 1/2” pipe mounted or surface mounted. All models have replaceable plug-in lamps except for the 470-R1 and 700-R1 which are hermetically sealed assemblies.

Notes: Model 801-RL and 800-RL are offered with (WP) Weatherproof leads/connectors and should be installed with Power Supplies that contain (WP) connectors.

ORDERING INFORMATION

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<thead>
<tr>
<th>Model No.</th>
<th>Lamp Type</th>
<th>Lens Height</th>
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<td>470-RL</td>
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<td>6.75&quot;</td>
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<td>800-RL-15</td>
<td>800-RL-15</td>
<td>5.25&quot;</td>
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<td>801-RL</td>
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<td>5.25&quot;</td>
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<td>801-RL-WP</td>
<td>5.25&quot;</td>
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<td>801-RL-15</td>
<td>801-RL-15</td>
<td>5.25&quot;</td>
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SPECIFICATIONS

<table>
<thead>
<tr>
<th>Lamp Type</th>
<th>Model No.</th>
<th>Intensity in Candelas Effective</th>
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</thead>
<tbody>
<tr>
<td>772P-1228</td>
<td>520 390 160 105 70</td>
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<tr>
<td>774-1228</td>
<td>405 305 125 80 50</td>
<td></td>
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<tr>
<td>776-1228</td>
<td>405 305 125 80 50</td>
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<tr>
<td>772-1228</td>
<td>900 620 210 160 150</td>
<td></td>
</tr>
<tr>
<td>774-1228</td>
<td>1230 845 290 220 210</td>
<td></td>
</tr>
<tr>
<td>776-1228</td>
<td>1230 845 290 220 210</td>
<td></td>
</tr>
<tr>
<td>774-1228</td>
<td>1370 940 320 245 235</td>
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</tr>
<tr>
<td>776-1228</td>
<td>1370 940 320 245 235</td>
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ACCESSORIES

<table>
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<tr>
<th>Model No.</th>
<th>Accessories</th>
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<tbody>
<tr>
<td>700-DC</td>
<td>Clear Lens dust Cover (Model 700-RL)</td>
</tr>
<tr>
<td>/LBO-MINI</td>
<td>180 Degree Lens Blackout (Models 470, 490, 495, 700)</td>
</tr>
<tr>
<td>802-03</td>
<td>Clear Lens Dust Cover (Model 801)</td>
</tr>
<tr>
<td>800/1250-DC</td>
<td>Clear Lens Dust Cover (Model 800)</td>
</tr>
<tr>
<td>/LBO-MINILITE</td>
<td>180 Degree Lens Blackout (Model 801)</td>
</tr>
<tr>
<td>/LBO-MAXI</td>
<td>180 Degree Lens Blackout (Model 800)</td>
</tr>
<tr>
<td>TBO-MAXI</td>
<td>Top Lens Blackout (Models 800, 801)</td>
</tr>
<tr>
<td>G802</td>
<td>Heavy Duty Guard (Model 801)</td>
</tr>
<tr>
<td>G800</td>
<td>Heavy Duty Guard (Model 800)</td>
</tr>
<tr>
<td>800-R1-BASE</td>
<td>Base and Assembly (Models 800, 801)</td>
</tr>
<tr>
<td>800-FLG</td>
<td>Flange Mounting Ring (Models 800, 801)</td>
</tr>
</tbody>
</table>
PAR-36 & PAR-36E Strobe Heads

The model PAR-36 and PAR-36E remote strobe heads are designed to be used with Tomar's strobe power supplies. Tomar PAR lighthead family of remote strobeheads feature a sealed beam strobe lamp with a Lexan lens. Tomar's PAR-36E EXTENDED LENS remote strobeheads feature Tomar's SIDE OPTICS that create a wide beam spread pattern of light, visible from the front and both sides. The PAR-36 and PAR-36E are available with a choice of black rubber (shown in above picture) or stainless steel shells.

ORDERING INFORMATION

PAR-36B-AMBER  Amber sealed beam strobehead, rubber shell, 15' cable
PAR-36EB-AMBER  Amber sealed beam, extended lens, rubber shell, 15' cable
PAR-36ES-AMBER  Amber sealed beam, extended lens, SS Shell, 15' cable
PAR-36S-AMBER  Amber sealed beam strobehead, SS Shell, 15' cable
PAR-36S-SS  PAR-36 stainless steel shell
UBKT  Universal SS bracket for PAR-36 or PAR-36E lightheads
PAR-36B-S  PAR-36 black rubber shell
15C  15’ cable

SPECIFICATIONS

Intensity:

Intensity in Candelas Effective

<table>
<thead>
<tr>
<th>Power Supply</th>
<th>Amber</th>
<th>Note</th>
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</thead>
<tbody>
<tr>
<td>772P-1228</td>
<td>2100</td>
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<td>770P-1228</td>
<td>1500</td>
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<tr>
<td>770P-1228</td>
<td>2930</td>
<td></td>
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<tr>
<td>776-1228</td>
<td>1550</td>
<td></td>
</tr>
<tr>
<td>776-1228</td>
<td>2930</td>
<td></td>
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</tbody>
</table>

* Use with outside free air application only

Divide by 2 when using heads that flash simultaneously

Note: Intensity when viewing PAR-36E from side is 20% of the intensity rating to the front.

Warranty: Standard Tomar Warranty

RECT-34 & 37 Strobe Heads

The model RECT-37 and RECT-34 series sealed beam lamps are 100% watertight and feature a chrome coated reflector. They are molded from Lexan and designed to fit all popular utility, large mobile equipment and trucks. The RECT-37 & RECT-34 are furnished with a drill template, gasket, and mounting hardware; and can be used with all Tomar power supplies.

ORDERING INFORMATION

RECT-37S-AMBER  Amber remote 3’ X 7” rectangular strobe lamp
RECT-34S-AMBER  Amber remote 3’ X 4” rectangular strobe lamp

SPECIFICATIONS

Intensity:

Intensity in Candelas Effective, based on a single head

<table>
<thead>
<tr>
<th>Power Supply</th>
<th>RECT-34S-AMBER</th>
<th>RECT-37S-AMBER</th>
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<tr>
<td>772P-1228</td>
<td>1040</td>
<td>5630</td>
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<tr>
<td>770P-1228</td>
<td>820</td>
<td>8480</td>
</tr>
<tr>
<td>776-1228</td>
<td>820</td>
<td>8480</td>
</tr>
</tbody>
</table>

Divide by 2 when using heads that flash simultaneously

Note: Intensity when viewing the RECT-34S from the side is 35% of the intensity rating to the front.

Warranty: Standard Tomar Warranty

Call, fax or email for information on enclosures:
(surface mtg., recess mtg., bumper mtg.)

Call: 800-227-9636
Fax: 800-592-4700
Email: sales@maxi-signal.com
Strobe lamps are high-intensity light sources which use glass and quartz tubing filled with xenon gas to efficiently convert 20 to 50% of the applied electrical energy into optical energy. Similarly, an incandescent light converts only 1 to 3% of the electrical energy into optical energy. An important feature of the xenon strobe lamp is its ability to produce a high peak blue-white light output of short duration. All TOMAR strobe lamps have a trigger coil potted into their assemblies except the low cost model 2001, 5001 and 5002 lamps.

### ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Min Voltage</th>
<th>Max Voltage</th>
<th>AvgWatts</th>
<th>Base/Connector</th>
<th>Note</th>
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<tbody>
<tr>
<td>2001</td>
<td>225</td>
<td>450</td>
<td>10</td>
<td>3 PIN AMP</td>
<td>USE EXTERNAL TRIGGER</td>
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<tr>
<td>2002</td>
<td>225</td>
<td>450</td>
<td>10</td>
<td>3 PIN AMP</td>
<td></td>
</tr>
<tr>
<td>3001</td>
<td>180</td>
<td>600</td>
<td>20</td>
<td>OCTAL</td>
<td></td>
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<tr>
<td>4001</td>
<td>225</td>
<td>600</td>
<td>20</td>
<td>OCTAL</td>
<td></td>
</tr>
<tr>
<td>470–RL–CLEAR, RED, BLUE, AMBER</td>
<td>200</td>
<td>600</td>
<td>20</td>
<td>3 PIN AMP</td>
<td>6' WIRE LEADS</td>
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<tr>
<td>4701 (Note 3)</td>
<td>225</td>
<td>600</td>
<td>20</td>
<td>3 PIN AMP</td>
<td>6' WIRE LEADS</td>
</tr>
<tr>
<td>5001</td>
<td>225</td>
<td>400</td>
<td>5</td>
<td>3 PIN AMP</td>
<td>USE EXTERNAL TRIGGER</td>
</tr>
<tr>
<td>5002</td>
<td>200</td>
<td>600</td>
<td>1</td>
<td>3 PIN MOLEX</td>
<td>USE EXTERNAL TRIGGER</td>
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<tr>
<td>6001</td>
<td>225</td>
<td>800</td>
<td>40</td>
<td>OCTAL</td>
<td>NON–POLAR</td>
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<tr>
<td>7001</td>
<td>600</td>
<td>2000</td>
<td>300</td>
<td>OCTAL–LARGE</td>
<td>QUARTZ FORCED AIR COOL</td>
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<tr>
<td>9001 (Not Shown)</td>
<td>225</td>
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<td>20</td>
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<td></td>
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<tr>
<td>PAR–36–ALL COLORS</td>
<td>225</td>
<td>600</td>
<td>20</td>
<td>3 PIN AMP</td>
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<tr>
<td>PAR–36E–RED, BLUE &amp; AMBER</td>
<td>225</td>
<td>600</td>
<td>20</td>
<td>3 PIN AMP</td>
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<tr>
<td>PAR–56–ALL COLORS</td>
<td>225</td>
<td>600</td>
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<td>3 PIN AMP</td>
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<tr>
<td>700–R1–ALL COLORS</td>
<td>180</td>
<td>600</td>
<td>20</td>
<td>3 PIN AMP</td>
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</tr>
</tbody>
</table>

### SPECIFICATIONS

|-Octal (Except 7001) | Pin 2 – Anode, Pin 3 – Trigger, Pin 6– Cathode & Trigger Grd. |
|Octal Large (7001 Only) | Pin 2 – Anode, Pin 3 – Trigger, Pin 5 – Trigger Grd, Pin 6 – Cathode |
|3 Pin Amp | Pin 1 — Anode, Pin 2 – Cathode, Pin 3 – Trigger |
|Mate–N–Lok | Pin 3 – Trigger |
|5001 | Pin 1 – Trigger HV, Pin 2 – Cathode, Pin 3 – Anode |
|2001 | Pin 1 – Anode, Pin 2 – Trigger, Pin 3 – Cathode |

**Electrical Notes**

1. All lamps are triggered by discharging a 0.22 MFD capacitor charged to 200 VDC into the trigger connection.
2. All lamps are polarity sensitive except the 6001.
3. Rubber friction mount base mounts in 1” Dia. hole.
# INDEPENDENT SALES REPRESENTATIVES

## WI, Northern IL
AAD Ltd.
Tony DiVesti
529 South Western Avenue
Park Ridge, IL 60068

<table>
<thead>
<tr>
<th>Phone</th>
<th>Fax</th>
<th>Cell</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voice: 847-825-4680</td>
<td>Fax: 847-825-4883</td>
<td>Cell: 847-571-1936</td>
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</table>

## OH, WV, Western PA, Eastern KY & Western NY
James J. Fairbanks Inc.
7342 Hubbard Bedford Road
Hubbard, OH 44425

<table>
<thead>
<tr>
<th>Phone</th>
<th>Fax</th>
<th>Cell</th>
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</table>

## Central TN, AL, GA, FL
Thomas Agency Inc.
2704 Commerce Square East
Birmingham, AL 35210
www.thomasagency.com

<table>
<thead>
<tr>
<th>Phone</th>
<th>Fax</th>
<th>Cell</th>
</tr>
</thead>
</table>

## MI, NH, VT, MA, RI, CT
Slowe Associates
3 Grand View Terrace
Quincy, MA 02170

<table>
<thead>
<tr>
<th>Phone</th>
<th>Fax</th>
<th>Cell</th>
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</thead>
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## NC, SC & Eastern TN
John Hutson Company
803 Floyd St.
Kings Mountain, NC 28086
704-730-8320

<table>
<thead>
<tr>
<th>Phone</th>
<th>Fax</th>
<th>Cell</th>
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## MICHIGAN
J. R. Gorman and Associates, LLC
3493 Ramada Drive
Highland, MI 48356

<table>
<thead>
<tr>
<th>Phone</th>
<th>Fax</th>
<th>Cell</th>
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## IN & Western KY
Advanced Industrial Marketing, Inc.
10300 Springstone Road
McCordsville, IN 46055

<table>
<thead>
<tr>
<th>Phone</th>
<th>Fax</th>
<th>Cell</th>
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</thead>
<tbody>
<tr>
<td>Voice: 800-556-6981 X 701</td>
<td>Fax: 317-577-9515</td>
<td>Cell: 317-577-9515</td>
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## TX, OK, AR, LA, & Western TN
Orr Sales Inc.
3 Misted Lilac Place
The Woodlands, TX 77381

<table>
<thead>
<tr>
<th>Phone</th>
<th>Fax</th>
<th>Cell</th>
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</thead>
</table>

## MD, NJ, DE, Eastern PA
Pow-R-Motion & Control, Inc.
21 Wilton Ave.
West Chester, PA 19382

<table>
<thead>
<tr>
<th>Phone</th>
<th>Fax</th>
<th>Cell</th>
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</thead>
<tbody>
<tr>
<td>Voice: 610.696.7664</td>
<td>Fax: 610.430.0130</td>
<td>Cell: 610.430.0130</td>
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## VIRGINIA
Ray Fayle Agency
2703 Walnut Creek C1
Middleton, VA 23112

<table>
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<tr>
<th>Phone/Fax</th>
<th>Cell</th>
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<tbody>
<tr>
<td>Voice/Fax: 804-562-9428</td>
<td>Cell: 804-356-9284</td>
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## Southern IL, MO, KS, IA, NE
Mocker and Associates Inc.
201 Vest Ave.
Valley Park, MO 63088

<table>
<thead>
<tr>
<th>Phone</th>
<th>Fax</th>
<th>Cell</th>
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