Security - Warning Devices Audible & Visual

Beacons - LED

Standard LED Beacon

- Multi-voltage 10-100Vdc and mains 110-230V versions available
- Unique patented design to maximize light output
- High efficiency low power consumption
- Mounting bracket available separately

<table>
<thead>
<tr>
<th>Colour</th>
<th>Voltage</th>
<th>IP Rating</th>
<th>Diameter</th>
<th>Flash Rate</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multi-voltage</td>
<td>Amber 12, 24, 50, 100V</td>
<td>IP65</td>
<td>147mm</td>
<td>65/Min</td>
<td>149-4664</td>
</tr>
<tr>
<td>Mains Voltage</td>
<td>Amber 110-230V</td>
<td>IP65</td>
<td>147mm</td>
<td>65/Min</td>
<td>149-4671</td>
</tr>
<tr>
<td>Red 110-230V</td>
<td>IP65</td>
<td>147mm</td>
<td>65/Min</td>
<td>149-4672</td>
<td></td>
</tr>
</tbody>
</table>

Price Each

- Colour Order Code | 1+ 10+ 20+ 50+ 100+
- Multi-voltage Amber 149-4664
- Red 149-4662

Accessories

- Mounting Bracket 149-4656
- Wire Guard 149-4657

Low Profile LED Beacon

- Multi-voltage 10-100Vdc and mains 110-230V versions available
- Beacon may be wired to flash or provide continuous light
- High efficiency low power consumption
- Can be mounted vertically or horizontally

<table>
<thead>
<tr>
<th>Colour</th>
<th>Voltage</th>
<th>IP Rating</th>
<th>Diameter</th>
<th>Flash Rate</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multi-voltage</td>
<td>Amber 12, 24, 50, 100V</td>
<td>IP67</td>
<td>76mm</td>
<td>65/Min</td>
<td>149-4658</td>
</tr>
<tr>
<td>Red 12, 24, 50, 100V</td>
<td>IP67</td>
<td>76mm</td>
<td>65/Min</td>
<td>149-4659</td>
<td></td>
</tr>
<tr>
<td>Mains Voltage</td>
<td>Amber 110-230V</td>
<td>IP67</td>
<td>76mm</td>
<td>65/Min</td>
<td>149-4666</td>
</tr>
</tbody>
</table>

Price Each

- Colour Order Code | 1+ 10+ 20+ 50+ 100+
- Multi-voltage Amber 149-4658
- Red 149-4659

Accessories

- Mounting Bracket 223-785

Beacon Height 45mm x Dia 77mm

Compact LED Beacon

- Multi-voltage 10-100Vdc and mains 110-230V versions available
- Beacon may be wired to flash or provide continuous light
- Clear lens with coloured LEDs
- High efficiency low power consumption
- Mounting bracket available separately

<table>
<thead>
<tr>
<th>Colour</th>
<th>Voltage</th>
<th>IP Rating</th>
<th>Diameter</th>
<th>Flash Rate</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multi-voltage</td>
<td>Amber 12, 24, 50, 100V</td>
<td>IP67</td>
<td>77mm</td>
<td>65/Min</td>
<td>149-4660</td>
</tr>
<tr>
<td>Red 12, 24, 50, 100V</td>
<td>IP67</td>
<td>77mm</td>
<td>65/Min</td>
<td>149-4662</td>
<td></td>
</tr>
<tr>
<td>Mains Voltage</td>
<td>Amber 110-230V</td>
<td>IP67</td>
<td>77mm</td>
<td>65/Min</td>
<td>149-4668</td>
</tr>
<tr>
<td>Red 110-230V</td>
<td>IP67</td>
<td>77mm</td>
<td>65/Min</td>
<td>149-4669</td>
<td></td>
</tr>
</tbody>
</table>

Price Each

- Colour Order Code | 1+ 10+ 20+ 50+ 100+
- Multi-voltage Amber 149-4660
- Red 149-4662

Accessories

- Mounting base 223-785

Dual Colour Compact LED Beacon

- Multi-voltage 10-100Vdc and mains 110-230V versions available
- Dual functionality-full lens red flashing light and green continuous light
- High efficiency low power consumption
- Mounting bracket available separately

<table>
<thead>
<tr>
<th>Colour</th>
<th>Voltage</th>
<th>IP Rating</th>
<th>Diameter</th>
<th>Flash Rate</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multi-voltage</td>
<td>Dual: Red/Green 12, 24, 50, 100V</td>
<td>IP67</td>
<td>77mm</td>
<td>65/Min</td>
<td>149-4663</td>
</tr>
<tr>
<td>Mains Voltage</td>
<td>Dual: Red/Green 110-230V</td>
<td>IP67</td>
<td>77mm</td>
<td>65/Min</td>
<td>149-4670</td>
</tr>
</tbody>
</table>
Flashalarm, LED Beacon Yodac V4 series

Low current consumption, high intensity LED beacon, suitable for providing visual indication or warning of a potential hazard.

- 8 array LED configuration
- Ultra reliable and easy to install
- 24Vdc operating voltage
- Operating temp -25 to +40 °C

Flashalarm, Intrinsically Safe Beacon Hazardous Area V4 series

- Operating Voltage 12, 18, 24Vdc via ATEX approved barriers
- 360° visibility
- 8 array LED

LED Beacons

- LEDs that complement audible alarms
- For use in areas with high ambient noise or where people may have impaired hearing
- LED technology offers greatly reduced current consumption compared to xenon types

- Reverse polarity monitoring
- High reliability
- Long service life
- Standard bayonet base fitting
- Compact size
- Both come with red lenses

Installation Permanent/LED/Flashing 206/207 series

- High protection rating IP 65 for use in outdoor applications
- Optimised illumination
- 360° visibility
- Simple connection by means of 6.3 mm spades
- Bulb change via removal of dome
- Suitable for use in the 22 mm standard control panel/switchgear programme

LED Beacons

- Multi-functional beacons with high-output LED Illumination for long life. Flashing light effects are available from these units in a variety of voltages.
  - Solid state for reliability and long life
  - IP65 protection for indoor and outdoor usage
  - 1.5Hz flash frequency
  - Screw connection for ease of installation
  - Full range of mounting brackets and wire cage guard available
  - Weight: 200g
  - Dims. (Dia x Height): 100 x 138.5mm

LED Permanent/Blinking/Rotating 829 series

- Multi-functional LED beacon
- Interchangeable light effects
- Version with external triggering and galvanically isolated signal inputs
- Easy to mount
- Life duration up to 50,000 hrs
- High protection rating IP 65 for indoor and outdoor applications
Low Profile Xenon Beacon (1W)

- 12V, 24V, 230V
- Compact and bright 360° visibility beacon
- Supplied with 500mm flying leads
- Low current consumption range of xenon beacons
- Weatherproof to IP65 and IP67 when installed
- Low profile and standard height versions available in two colours and 1, 2, and 5W outputs
- 24V, multi-voltage (10 - 100V dc) and 230V versions available
- Supplied with 500mm flying leads
- Compact and bright 360° visibility beacon
- Separate mounting bracket available which allows wiring from the side as well as from the base

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Power Output</th>
<th>Current (mA)</th>
<th>IP Rating</th>
<th>Diameter (mm)</th>
<th>Flash Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>12V</td>
<td>1W</td>
<td>115</td>
<td>IP67</td>
<td>77</td>
<td>60/Min</td>
</tr>
<tr>
<td>24V</td>
<td>1W</td>
<td>55</td>
<td>IP67</td>
<td>77</td>
<td>60/Min</td>
</tr>
<tr>
<td>230V ac</td>
<td></td>
<td>65</td>
<td>IP67</td>
<td>76</td>
<td>60/Min</td>
</tr>
</tbody>
</table>

Beacon Height 45mm

Drilling pattern for bell box or panel mounting
- High efficiency low current consumption
- Can be mounted vertically or horizontally
- Surface mounting base available separately

Multi-voltage Xenon Beacons

- Low current consumption range of xenon beacons
- Weatherproof to IP65 and IP67 when installed
- Low profile and standard height versions available in two colours and 1, 2, and 5W outputs
- 24V, multi-voltage (10 - 100V dc) and 230V versions available
- Supplied with 500mm flying leads
- Compact and bright 360° visibility beacon
- Separate mounting bracket available which allows wiring from the side as well as from the base

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Power Output</th>
<th>IP Rating</th>
<th>Diameter (mm)</th>
<th>Flash Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-100Vdc</td>
<td>1W</td>
<td>IP67</td>
<td>77</td>
<td>60/Min</td>
</tr>
<tr>
<td>Red</td>
<td>2W</td>
<td>IP67</td>
<td>77</td>
<td>75/Min</td>
</tr>
<tr>
<td>Red</td>
<td>5W</td>
<td>IP67</td>
<td>76</td>
<td>80/Min</td>
</tr>
<tr>
<td>Amber</td>
<td>2W</td>
<td>IP67</td>
<td>77</td>
<td>75/Min</td>
</tr>
<tr>
<td>Amber</td>
<td>5W</td>
<td>IP67</td>
<td>76</td>
<td>80/Min</td>
</tr>
</tbody>
</table>

Standard

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Power Output</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1W</td>
<td>146-6229</td>
<td></td>
</tr>
<tr>
<td>2W</td>
<td>146-6230</td>
<td></td>
</tr>
<tr>
<td>5W</td>
<td>146-6231</td>
<td></td>
</tr>
</tbody>
</table>

Accessories

- Mounting base 223-785
Beacons - Xenon - continued

Multi-voltage Xenon Beacons - continued

<table>
<thead>
<tr>
<th>Colour</th>
<th>Power</th>
<th>Order Code</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low Profile</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Red 2W</td>
<td>146-6234#</td>
<td>1+</td>
<td>10+</td>
</tr>
<tr>
<td>Amber 5W</td>
<td>149-4644#</td>
<td>1+</td>
<td>10+</td>
</tr>
<tr>
<td>Red 2W</td>
<td>149-4645#</td>
<td>1+</td>
<td>10+</td>
</tr>
</tbody>
</table>

**Accessories**

- Side Mounting Bracket 353-9490#
- Pole Mounting Bracket 149-4680#

**Panel Mount, Flashing**

- High intensity Xenon flash
- Multivoltage (10-100Vdc, 20-72Vac, 110Vac & 230Vac)
- Simple to install
- Fully weatherproof to IP67 (Front)
- Standard 22mm hall pattern

The Microstrobe is a compact and reliable high intensity Xenon indicator for use in panel mount applications. Quick and simple to install with instant visibility and status recognition.

The Microstrobe is a compact and reliable high intensity Xenon indicator for use in panel mount applications. Quick and simple to install with instant visibility and status recognition.

**High Power Xenon Beacon**

- Low power consumption
- Dual 12/24V and 230V versions available
- High voltage transient and polarity reversal protection
- Suitable for all applications, both indoor and outdoor, where intense flash is required
- Operating temperature -20°C to +50°C

**Beacon Height 150mm x Dia 145mm**

<table>
<thead>
<tr>
<th>Colour</th>
<th>Voltage</th>
<th>Current Rating</th>
<th>IP Rating</th>
<th>Diameter</th>
<th>Flash Rate</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amber</td>
<td>12/24V</td>
<td>700mA</td>
<td>IP65</td>
<td>120mm</td>
<td>120/Mm</td>
<td>149-4674#</td>
</tr>
<tr>
<td>Red</td>
<td>12/24V</td>
<td>700mA</td>
<td>IP65</td>
<td>120mm</td>
<td>120/Mm</td>
<td>149-4672#</td>
</tr>
<tr>
<td>Amber</td>
<td>230V</td>
<td>6.5mA</td>
<td>IP65</td>
<td>145mm</td>
<td>120/Mm</td>
<td>149-4676#</td>
</tr>
<tr>
<td>Red</td>
<td>230V</td>
<td>6.5mA</td>
<td>IP65</td>
<td>120mm</td>
<td>145/Mm</td>
<td>149-4677#</td>
</tr>
</tbody>
</table>

**Accessories**

- Dome Accessories
- Mounting base 149-4656#

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**Xenon Beacon X200S**

- Continuously Rated
- Suitable for surface mounting
- Ideal for high vibration areas
- Very robust construction
- 360° visibility
- IP65
- Operating temperature -35°C to 66°C

**Supply Voltage**

- Voltage 420V dc
- Current 0.05 A
- Flash Rate 60

**Price Each**

<table>
<thead>
<tr>
<th>Mfrs.</th>
<th>List No.</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>X200S-240-02FA</td>
<td>218013</td>
<td>164-9233#</td>
</tr>
</tbody>
</table>

---

**Xenon Beacons - 5 Joule**

- AC/DC on low voltage
- Wide range of lens colours
- IP65
- Double 20cm side entry
- Supplied complete with polycarbonate reeded lens

Highly efficient xenon beacons producing 5 joules worth of flash energy, ideal for both industrial and fire signalling applications.

**Supply Voltage**

- Voltage 15 - 28V Ac/Dc
- Current 310mA
- FPM 60

**List No.**

<table>
<thead>
<tr>
<th>Colour</th>
<th>Order Code</th>
<th>Mfrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>149-4677#</td>
<td>1+</td>
</tr>
<tr>
<td>Amber</td>
<td>149-4676#</td>
<td>5+</td>
</tr>
<tr>
<td>Blue</td>
<td>149-4675#</td>
<td>10+</td>
</tr>
<tr>
<td>Red</td>
<td>149-4673#</td>
<td>25+</td>
</tr>
</tbody>
</table>

---

**Xenon Beacons - Medium Output**

- High visibility flashing beacons for commercial and industrial application
- DC operation, multi voltage
- Surface or conduit mount
- Suitable for use with anti vibration mount and wall bracket
- 2.7 to 2.71 flash energy dependent on voltage
- IP65
- Operating temperature -25 to +66°C
- Supply tolerance ±10%

**Supply Voltage**

- Voltage 10 - 105V DC 20 - 72V AC
- Current 10mA
- FPM 60

**List No.**

<table>
<thead>
<tr>
<th>Colour</th>
<th>Order Code</th>
<th>Mfrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amber</td>
<td>X215-56FA</td>
<td>1+</td>
</tr>
<tr>
<td>Red</td>
<td>X215-55FA</td>
<td>5+</td>
</tr>
<tr>
<td>Clear, Colourless</td>
<td>X215-56FA</td>
<td>10+</td>
</tr>
<tr>
<td>Amber</td>
<td>X215-55FA</td>
<td>25+</td>
</tr>
</tbody>
</table>

---

**Beacon Base Assembly**

- X215-56FA
- X215-55FA
- X215-56FA
- X215-56FA
- X215-56FA

**Dome Accessories**

- 50019FA
- 50019FA
- 50019FA
- 50019FA
- 50019FA

---

**Xenon Beacons - Multi-voltage Xenon Beacons - continued**

<table>
<thead>
<tr>
<th>Model</th>
<th>Voltage Range</th>
<th>Power Output</th>
<th>Current Consumption (mA)</th>
<th>Flash freq.</th>
</tr>
</thead>
<tbody>
<tr>
<td>XP4XMV/1 x 100207210</td>
<td>10-100Vdc</td>
<td>120/100</td>
<td>200/170</td>
<td>100/80</td>
</tr>
</tbody>
</table>

**Multivoltage Drive Unit**

- Voltage 12/24V | 149-4675# |
- Voltage 230Vac | 149-4677# |

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**Lens Colour**

- Clear | 121-8410# |
- Amber | 149-4676# |
- Red | 149-4677# |
- Blue | 149-4675# |

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**High Visibility Xenon Beacons**

- Suitable for anti vibration mount and wall bracket
- Surface or conduit mount
- Suitable for use with anti vibration mount and wall bracket
- 2.7 to 2.71 flash energy dependent on voltage
- IP65
- Operating temperature -25 to +66°C
- Supply tolerance ±10%
High Output Xenon Beacon

- Choice of coloured polycarbonate lens
- Emits an intense pulse of light at one second intervals
- Sealed to IP65 and suitable for warning and alarm application
- All 3w beacons are supplied with mounting base
- Easy connection by removable terminal block
- 12/24 versions configured with wiring options on the terminal block

Standard Beacon

- Optimum illumination static filament beacon
- Constant illumination static filament beacons
- 360° visibility
- Optional anti-vibration mount available (Order Code 309-9672)
- Sealed to IP65

Static Filament Beacon - High Output

- Operating temperature -25°C to +66°C
- Supply voltage tolerance ±20%

Optimum Illumination Beacon

- Surface mount or bracket mount small beacon
- Bulb not supplied
**Beacons - Incandescent - continued**

**Optimum Illumination Beacon - continued**

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permanent Beacons</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Red 12-240V</td>
<td>852-8977</td>
<td></td>
</tr>
<tr>
<td>Green 12-240V</td>
<td>852-8985</td>
<td></td>
</tr>
<tr>
<td>Yellow 12-240V</td>
<td>852-8993</td>
<td></td>
</tr>
<tr>
<td>Spare Bulb (24V)</td>
<td>852-9000</td>
<td></td>
</tr>
<tr>
<td>Spare Bulb (230V)</td>
<td>852-9019</td>
<td></td>
</tr>
<tr>
<td>Blinking Beacons</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yellow 230V</td>
<td>852-9051</td>
<td></td>
</tr>
<tr>
<td>Spare Bulb (24V)</td>
<td>854-0519</td>
<td></td>
</tr>
<tr>
<td>Spare Bulb (230V)</td>
<td>854-0527</td>
<td></td>
</tr>
<tr>
<td>Flashing Beacons</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Red 24V</td>
<td>852-9078</td>
<td></td>
</tr>
<tr>
<td>Red 230V</td>
<td>852-9086</td>
<td></td>
</tr>
<tr>
<td>Yellow 24V</td>
<td>852-9108</td>
<td></td>
</tr>
<tr>
<td>Yellow 230V</td>
<td>852-9116</td>
<td></td>
</tr>
</tbody>
</table>

**Installation Beacon 815 - 817**

Vandal-proof high impact installation permanent or flashing beacon

- IP65
- Shock resistant to 20J
- 3/7mm diameter mounting hole
- Replacement bulbs available for permanent light versions only

<table>
<thead>
<tr>
<th>Description</th>
<th>Order Code</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permanent light</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Red 12-240V</td>
<td>121-5242</td>
<td></td>
</tr>
<tr>
<td>Green 12-240V</td>
<td>121-5244</td>
<td></td>
</tr>
<tr>
<td>Yellow 12-240V</td>
<td>121-5246</td>
<td></td>
</tr>
<tr>
<td>Replacement bulbs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BA15d, 7watt (4-pack)</td>
<td>433-7050</td>
<td></td>
</tr>
<tr>
<td>BA15d, 230V, 7watt (4-pack)</td>
<td>433-7062</td>
<td></td>
</tr>
</tbody>
</table>

**Beacons - Automotive**

**Rotating Beacons**

Rotating beacons for use on vehicles. Available in a 12V magnetic mount version fitted with an adaptor to plug into a cigar lighter socket, or 12 and 24V versions with a single M12 bolt fixing supplied for direct wiring.

- Voltage: 12V/2
- Current: 4.6A
- Rotational Speed: 166

**Order Code** | Price Each |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1+ 5+ 10+</td>
<td></td>
</tr>
</tbody>
</table>

**Magnetic mount 12V** 501-119

Intelligent Online Buying System Providing

Complete cost control, reduced administration time, visibility of your spend, flexibility and personalisation to your company’s needs.

farnell.com/ibuy

**Dimensions** 68 x 96.5mm

**Dome** Polycarbonate, transparent - shock resistant to 20J

**Fixing** Installation mounting for 37mm diameter

**Connection** Screw connection max 2.5mm

**Bulb change** (permanent light only) via rear access

**Replacement bulbs available for permanent light versions only**

**Rotational Speed** 166

**Current** 4.6A

**Voltage** 12V/2
**Premium Beacons**

1 Bolt

3 Bolt

Magnetic

<table>
<thead>
<tr>
<th>Colour</th>
<th>Mounting</th>
<th>Voltage</th>
<th>Current Rating</th>
<th>Dimensions</th>
<th>Flash Rate (per minute)</th>
<th>Mfrs.</th>
<th>List No.</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amber 1 Bolt</td>
<td>12 / 24V</td>
<td>4.6 / 3</td>
<td>162mm</td>
<td>131mm</td>
<td>160</td>
<td>LBB122</td>
<td>180-0016</td>
<td></td>
</tr>
<tr>
<td>Amber 3 Bolt</td>
<td>12 / 24V</td>
<td>4.6 / 3</td>
<td>150mm</td>
<td>153mm</td>
<td>160</td>
<td>LBB255K</td>
<td>180-0015</td>
<td></td>
</tr>
<tr>
<td>Amber Magnetic</td>
<td>12 / 24V</td>
<td>4.6 / 3</td>
<td>160mm</td>
<td>167mm</td>
<td>160</td>
<td>LBB260K</td>
<td>180-0017</td>
<td></td>
</tr>
</tbody>
</table>

**Euro Beacons**

Amber Magnetic 12 / 24V 4.6 / 3 160mm 167mm 160 LBB260K 180-0017

Amber 3 Bolt 12 / 24V 4.6 / 3 152mm 153mm 160 LBB255K 180-0015

Amber 1 Bolt 12 / 24V 4.6 / 3 162mm 131mm 160 LBB122 180-0016

Amber 3 Bolt 12 / 24V 4.6 / 3 163mm 143mm 150 LBB755K 180-0018

Amber 1 Bolt 12 / 24V 4.6 / 3 163mm 143mm 150 LBB722 180-0019

**Traffic Signal Beacons**

Model 890

- Signal beacon for traffic light combinations
- High protection rating IP65 for indoor and outdoor use
- Incandescent versions
- ABS, high impact grey housing
- Transparent polycarbonate lens
- Anti-glare ring incorporated
- Practical fixing bracket for two or three beacons

**Traffic Signal Tower KombiSign 71**

- Available in incandescent, Xenon or LED modules
- 24V or 230V versions
- Improved connection with cage clamp technology
- Optically different due to O-ring seal
- Cylindrical instead of conical terminal element
- 360° visibility

**LED Signal Tower Kompact**

Available in two sizes - 71mm or 96mm diameter. Two or three tier in three colour combinations available.

- LED permanent light
- Life duration ~5,000 hours
- 24V DC operation
- Completely assembled
- Operation with PLC control system
**LED Traffic Light 894 series**

- High visibility LED Beacon/Traffic Light in an innovative design
- Available in colour intensive light effect thanks to LEDs in the same colour as the lenses
- Simple mounting thanks to integrated mounting bracket
- Very good side signal visibility

### Specifications
- **Dimensions (dia x W x H):** 136 x 85 x 311mm
- **Material:** PC/ABS, grey
- **Connection:** Screwable connection with wire protection max. 1.5mm²
- **Cable entry max:** 13mm
- **Lens:** PC, transparent
- **Protection:** IP65

### Options
- **Colour:** Red/Green
- **Lens Colour:** red/green
- **Voltage:** 24Vdc
- **Current cons.:** 80/160mA
- **Mfrs. List No.:** 89406055
- **Order Code:** 164-5168

### Additional Fixing Bow underneath for 4/894 series
- **Innovative design option with the attachment of a second fixing bow**

### Beacons - Rotating

**Rotating Beacons**

- **Stud mounting dimensions:** 3x86mm
  - equi-spaced on 130 pc
- **Very effective signal with 360° beam**
- **Twin belt drive system**
- **R200 and 201 suitable for surface or conduit mounting**
- **Anti vibration mount**
- **Sealed to IP65**

### Specifications
- **Operating temperature:** -10°C to +66°C
- **DC supply voltage tolerance:** ±20%
- **AC supply voltage tolerance:** -10% to +15%

### Options
- **Supply Voltage:** 12Vdc
- **Rotational Speed (rpm):** - 160
- **Light Source:** H1, H60W, Halogen

### Mfrs.

<table>
<thead>
<tr>
<th>List No.</th>
<th>Order Code</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1+ 5+ 10+ 25+</td>
<td></td>
</tr>
</tbody>
</table>

**Surface Mounting**

- **Mfrs. List No.:** R201-13FA
- **Order Code:** 309-9404

### Beacons - Stacking / Towers / Traffic - continued

**LED Clear Dome Signal Towers**

- **Clear domes ensure signalling effect even in direct sunlight**
- **LED permanent light elements**
- **Life duration up to 50,000 hours**
- **Simplified ordering through ready-assembled tower**

### Accessories

<table>
<thead>
<tr>
<th>Size</th>
<th>Colour</th>
<th>List No.</th>
<th>Order Code</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Tier</td>
<td>Red/Gm</td>
<td>69308055</td>
<td>101-4730</td>
<td>5+ 10+ 25+</td>
</tr>
<tr>
<td>3 Tier</td>
<td>Red/Y/Grn</td>
<td>69307055</td>
<td>101-4720</td>
<td>5+ 10+ 25+</td>
</tr>
</tbody>
</table>

**LED Signal Tower Kompact - continued**

- **Dimensions (Dia x H):** 36 x 113mm
- **Connection:** M12 plug
- **Fixing:** Screwable connection with wire protection max. 1.5mm²
- **Cable entry max:** 13mm

### Options

<table>
<thead>
<tr>
<th>Mfrs. List No.</th>
<th>Order Code</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1+ 5+ 10+ 25+</td>
<td></td>
</tr>
</tbody>
</table>
Beacon & Sounder Combination
Sonos - DC LED Beacons and Sounders

A new generation of sounder beacons, complete with a choice of 32 tones, that are designed for use in applications such as industrial, fire, security and the automotive industry.

- Unique wire-to-base facility reduces installation time
- Plastic casing is the lens, providing greater light spread
- High output with long life
- ENS4.3:2001 compliant
- Shallow base version dims: W - 100mm, H - 81.3mm
- Deep base version dims: W - 97.5mm, H - 104.1mm
- Colour: Red base and red lens

Continuous tone
Sound output 80dB at 1m
Protection to IP65
Flame Retardant ABS
Simple in and out wiring blocks offering continuous override and dual signalling
32 user selectable sounds
Low current consumption
Buzzer in combination with Xenon flash
Life duration - 4 x 10⁶ flashes
Optical and audible signal can be triggered separately
Continuous or pulse tone adjustable
Max. sound output 90dB
Integrated mounting bracket
Current consumption: 60mA at 230V

Dimensions (Dia x Height): 91 x 120mm
Operating temperature: -20°C to +50°C
Integrated mounting bracket
Max. sound output 90db
Continuous or pulse tone adjustable
Optical and audible signal can be triggered separately
Life duration - 50,000 hours
IP65

Price Each
Order Code
Red 24V 121-50030
Red 230V 121-50040

LED/Buzzer Combination - 450
with acknowledgement function

- LED permanent light with additional continuous tone
- Silence the audible signal by lightly pressing the front panel
- Life duration up to 50,000 hrs
- Potential-free output for transmission of the acknowledgement signal to the control unit
- Positive and negative logic possible

Dimensions (Dia x Height): 78 x 49.5mm
80mA at 24V
1W
80 dB

Price Each
Order Code
24V Red 401-00055 151-91450

Flash/Buzzer Combination

- Buzzer in combination with Xenon flash
- Life duration - 4 x 10⁶ flashes
- Optical and audible signal can be triggered separately
- Continuous or pulse tone adjustable
- Max. sound output 90dB
- Integrated mounting bracket
- Current consumption: 60mA @ 230V
- High protection rating - IP 65
- Operating temperature: -20°C to +50°C
- Dimensions (Dia x Height): 91 x 120mm

Price Each
Order Code
230V Red 423-11068 101-47550
230V Yellow 423-31068 101-47590

Flash/Multi-Tone Sounder Combination

- Multi-tone sounder in combination with Xenon flash
- Life duration - 4 x 10⁶ flashes
- Optical and audible signal can be triggered separately
- Choice of 8 different tones
- Max. sound output 100dB, adjustable
- Integrated mounting bracket
- High protection rating - IP 65
- Operating temperature: -20°C to +50°C
- Dimensions (Dia x Height): 91 x 120mm

Price Each
Order Code
24V Red 423-12075 101-47750
24V Yellow 423-32075 101-47810

LED beacon with integral buzzer that can be activated optionally. Designed for industrial use on equipment using standard front panel 22.5mm mounting holes.

- Protection to IP65
- LED beacon =50,000 hours life duration
- Supplied with screw terminal connector and sealing gasket
- Positive and negative logic possible

Dimensions (Dia x Height): 48.5 x 74mm
Starting current <50mA with 24V Life duration =<50,000 hours
Current consumption <50mA with 24V

Price Each
Order Code
24V Red 423-12075 101-47750
24V Yellow 423-32075 101-47810
Beacon & Sounder Combination - continued

**LED/Buzzer Combination**

Surface-mounting, combined audible and visual warning units with LED illumination for long life.

- Signals can be triggered separately for maximum flexibility.
- 85dB, 2.3kHz sound output continuous or pulsed tone, adjustable.
- High life duration up to 50,000 hrs.

**Dimensions (Dia x Height): 91 x 120mm**

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Colour</th>
<th>Mfrs. List No.</th>
<th>Order Code</th>
</tr>
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<tbody>
<tr>
<td>230V Red</td>
<td>420.1198</td>
<td>852-8705</td>
<td></td>
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<tr>
<td>230V Yellow</td>
<td>420.3108</td>
<td>852-8713</td>
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</table>

**LED Sounder/Beacon Solista**

<table>
<thead>
<tr>
<th>Model</th>
<th>Order Code</th>
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</thead>
<tbody>
<tr>
<td>Red 24V dc</td>
<td>433-6793</td>
</tr>
<tr>
<td>Yellow 230V ac</td>
<td>433-6823</td>
</tr>
</tbody>
</table>

**Signal Horn/Light Combination 580**

Horn/Light combination suitable for indoor use.

- ABS grey housing
- Polycarbonate lens
- Sound output: 92dB at 1M
- 7W filament lamp included
- Current consumption: 24V dc (320mA), 230V ac (50mA)

**Dimensions (Dia x Height): 91 x 120mm**

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Colour</th>
<th>Mfrs. List No.</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>230V Red</td>
<td>4221068</td>
<td>101-4746</td>
<td></td>
</tr>
</tbody>
</table>

**Flashni - 24V DC**

2 Tone With Integral Beacon

- Combined high output electronic 2 tone sounder and flashing Xenon beacon for intruder, fire and industrial alarm systems where dual signalling is required.
- 2 pre-set tones (3 or 14) selectable via terminal block.
- Single terminal block for easy installation.
- Automatic synchronised start (sounder only).
- Volume control.
- Reverse polarity protection.
- Deep base with 20mm conduit entry, sealed to IP65.

<table>
<thead>
<tr>
<th>Type</th>
<th>Mfrs. List No.</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROLP</td>
<td>132-0791</td>
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</tr>
<tr>
<td>Additional Base</td>
<td>BAYONET BASE 132-0776</td>
<td></td>
</tr>
</tbody>
</table>

**Xenon Beacon/Sounders**

**Flashni**

- Audible and visual devices that require one single installation point.
- High output sounder beacon.
- Automatic sounder synchronisation.
- Tones: 12V preset to tone 5, 24V preset to tone 3.
- Volume control.
- Reverse polarity monitoring.
- Lockable base.

**LED/Buzzer Combination**

- Buzzer in combination with LED permanent beacon.
- High life duration - up to 50,000 hours.
- Optical and audible signal can be triggered separately.
- Continuous or pulse tone adjustable.
- Max. sound output 90dB.
- Integrated mounting bracket.
- Current consumption: 24V, 40mA @ 115/230V.
- High protection rating - IP 65.

**Dimensions (Dia x Height): 89 x 100mm**

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Colour</th>
<th>Mfrs. List No.</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>230Vac 40mA Red</td>
<td>420.110.68</td>
<td>852-8705</td>
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</tr>
<tr>
<td>230Vac 40mA Yellow</td>
<td>420.310.68</td>
<td>852-8713</td>
<td></td>
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</tbody>
</table>

**Import permit may be required for Malaysia.**

<table>
<thead>
<tr>
<th>Type</th>
<th>Mfrs. List No.</th>
<th>Order Code</th>
</tr>
</thead>
</table>
### High Output Sounder/Beacons

**Midi**
- A versatile and rugged audio-visual alarm designed for industrial environments
- Robust and well protected alarm
- Suitable for use with a wide range of fire and process systems
- AC and DC versions available
- Fully integrated high efficiency beacon
  - 32 tones
  - 2 stage alarm
  - Simple first and second stage installation
- Colour: Red with red lens

**Specifications**
- **Weight**: 0.8kg
- **Dimensions (WxHxD)**: 165 x 173 x 132mm
- **Temperature Range**: -20°C to +70°C
- **IP Rating**: IP66
- **Flash Rate**: 1Hz
- **Flash Power**: 2.5J
- **Current**: 230mA/40mA/35mA (9 - 60Vdc/115Vac/230Vac)

**Prices**

**Order Codes**

### High Output Sounder/Beacons

**Asserta**
- An industrial warning sounder/beacon designed to cope with harsh environments
- Available as 2 output versions operating from either 24Vdc or 230Vac
- Fully integrated asymmetric beacon uses light more efficiently
- Simple first and second stage installation
- 42 tones
- 3 stage alarm
- Sounder time out - user adjustable
- Colour: Red with red lens

**Specifications**
- **Supply Voltage**: 18 - 30Vdc, 230VAC
- **Current**: 9 - 60Vdc: 0.55A, 115Vac: 0.08A, 230Vac: 0.08A
- **Flash Power**: 120Vac: 120W, 230Vac: 15W
- **Sound Output**: 95dBA @ 1M
- **Dimensions**: 102 x 125 x 50mm
- **Weight**: 1.8kg

**Prices**

---

**TROUBLESHOOTING TIPS**
Chat online to one of our technical engineers at farnell.com
### Sounder & Strobe Combination - continued

**YL2 Series**

- Flame retardant ABS enclosure with polycarbonate lens
- Volume Control
- 100 dB sound output
- Parabolic reflector produces high intensity light output (3J)
- Current consumption Strobe 60mA, Sounder 20mA
- ENS4-3 approved
- 24Vdc operating voltage
- Operating temp -25 to +40 °C

#### Yodalight, YL4 Series-IP54

**Combination Sounder Beacon**

- A versatile, compact electronic sounder with integral high intensity flashing beacon designed for fire, security and hazard warning.
- High sound output 96-106 dB
- 32 different sound options
- Continuously rating
- Sealed to IP54
- Complies with BS5839
- ENS4-3 approved

**Operation**

- H=179, W=88, D=80.8
- Operating temperature -25°C to +40°C

#### P40 - High Output Piezo Buzzer

- A high output piezo buzzer designed for warning in security, fire, automotive and industrial applications. With a choice of two signals (continuous or pulsed) they are ideal for use as panel warning devices, where an additional signal may be required.
- High sound output
- Wide voltage range
- Compact design for installation in all locations

**Description**

- Colour: White

**Order Price Each**

- 1+ $299.30
- 5+ $282.30
- 10+ $269.00

### Installation Buzzer 107

- Low current consumption buzzers with high protection rating to IP66
- Sound output: 80dB at 10cm
- Standard 22.5mm control panel cut-out
- Supplied with screw terminal connector and sealing gasket

**Tone Frequency**

- Continuous (2.1 kHz)
- Pulsating (2.1 kHz)

**Order Price Each**

- 1+ $249.30
- 5+ $234.30
- 10+ $228.00

### Installation Buzzer 109

- Electronic sounder specifically designed for industrial use on equipment using standard 22.5mm control panel cut-out
- High protection rating to IP66
- Supplied with screw terminal connector and sealing gasket

**Tone Frequency**

- 2.1 kHz continuous/pulsating

**Order Price Each**

- 1+ $433.60
- 4+ $400.00
Electronic Installation Multi-tone Sounder

Multi-tone sounder specifically designed for industrial use on equipment using standard 22.5mm control panel cut-out.
- High protection rating to IP65
- Sound output: 100dB at 1m
- Switchable 8 tones
- Volume control
- Supplied with screw terminal connector and sealing gasket
- Vertical wall mounting bracket available separately

Frequency Low - 800Hz ± 20% (modulated high note)
Insulation 7500V mounting panel to circuit
Sound Output Typically 75dB (A) @ 12V, 68dB (A) @ 5V, @ 1 Metre

Electronic Installation Buzzer 114 series

The appliance produces audible signals (buzzer) via electrical signals. Designed for industrial use on equipment using standard front panel 30.5mm mounting holes.
- Installation buzzer for use in control panels
- Protection IP55
- Compact sounder
- Second tone for two stage alarms
- Automatic synchronisation
- Through panel fixing
- connector and sealing gasket
- Vertical wall mounting bracket available separately
- Pulsed Tone: -ve NC 2.9 2
- Continuous Tone: +ve NC 3.0 Continuous
- Pulsed Tone: +ve NC 3.0-2.5 2
- Continuous Tone: -ve NC 3.0-2.5 2

Mini Two Tone Sounder - 5V to 30V

A miniature panel mounting two tone continuous sounder ideally suited for mounting in portable equipment and instrument panels, a choice of two continuous signals, high or low being offered from the one unit. Its solid state construction ensures high reliability.

Dimensions (dia x L) 42.5 x 41.8 mm
Temperature range: -20°C to +60°C
Current consumption <3mA with 24VDC
Housing PC/ABS-Blenz; Nac: PA66 fibreglass, high-impact strength
Life duration >5000 hours

Sound Output 92dB(A) @ 24Vdc
Weight 88g
Dimensions (HxDia) 43 x 53mm
Temperature Range -25°C to +70°C

Process Sounder Askari Panel

- Compact sounders, purposely designed to fit through the fascias of control panels or equipment housings
- Single nut fixing ensures simple installation and maximum audibility
- High IP rating allows installation in most process and industrial environments
- Low current consumption 32 tones

Process Sounder Askari Flange

- A compact sounder that can be mounted either within or external to equipment housings
- High IP rating allows it to be used in most environments
- Surface mounting
- Low current consumption 32 tones
- Second tone for two stage alarms
- Automatic synchronisation

Piezo Buzzer Series AE20M

- Compact
- 90dB
- Pulsed or Continuous Tone
- Local Signalling Applications
- IP55
- ABS Plastic
### Piezo’s & Buzzers - continued

#### Piezo Buzzer Series - continued

<table>
<thead>
<tr>
<th>Mfrs.</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>AE20M-12VFA</td>
<td>164-9236</td>
</tr>
<tr>
<td>AE20M-24VFA</td>
<td>164-9237</td>
</tr>
<tr>
<td>AE20M-115VFA</td>
<td>164-9238</td>
</tr>
<tr>
<td>AE20M-230VFA</td>
<td>164-9239</td>
</tr>
</tbody>
</table>

#### Adapterhorn Buzzer
- High Output Penetrating Sound
- Durable Mechanism
- Continuously Rated
- Weatherproof Ip65
- Operating Temperature -35°C to +65°C

#### Piezo Sirens 6V to 12V

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Current</th>
<th>Sound Level @ 1M</th>
<th>Frequency</th>
<th>Mfrs.</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>6V dc</td>
<td>160mA</td>
<td>105dB</td>
<td>2.3-2.8kHz</td>
<td>ABK77-G1FA</td>
<td>164-9240</td>
</tr>
<tr>
<td>12V dc</td>
<td>160mA</td>
<td>105dB</td>
<td>2.3-2.8kHz</td>
<td>ABK78-G1FA</td>
<td>164-9241</td>
</tr>
<tr>
<td>12V dc</td>
<td>350mA</td>
<td>105dB</td>
<td>2.3-2.8kHz</td>
<td>ABK78-R5FA</td>
<td>164-9242</td>
</tr>
</tbody>
</table>

#### Banshee 32 Tone Sounders
- ENS3 part 3 approved LPC and VdS
- Low current consumption
- Easy push & twist lockable bayonet mounting
- 32 user selectable sounds
- Simple in and out wiring blocks offering continuous override and dual signalling
- Flame Retardant ABS

### Sounder Series

#### AE40M

<table>
<thead>
<tr>
<th>Supply</th>
<th>Voltage</th>
<th>Frequency</th>
<th>Current</th>
<th>Mfrs.</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>12V dc</td>
<td>6mA</td>
<td>101dB</td>
<td>-40°C to +70°C</td>
<td>ABK77-24RFA</td>
<td>164-9244</td>
</tr>
<tr>
<td>230V ac</td>
<td>6mA</td>
<td>101dB</td>
<td>-40°C to +70°C</td>
<td>ABK78-230RFA</td>
<td>164-9245</td>
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#### Sounder Electronic

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Base Colour</th>
<th>List No.</th>
<th>Order Code</th>
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<tbody>
<tr>
<td>24VDC</td>
<td>Red</td>
<td>CN41/D/RN</td>
<td>126-9851</td>
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#### Electronic Sounder Yodac LC series

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Sound Output</th>
<th>Order Code</th>
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</thead>
<tbody>
<tr>
<td>12V dc</td>
<td>85mA</td>
<td>672-713</td>
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<tr>
<td>12V dc</td>
<td>190mA</td>
<td>672-725</td>
</tr>
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</table>

### Adapterhorn Buzzers

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Current</th>
<th>Mfrs.</th>
<th>Price Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>12V dc</td>
<td>350mA</td>
<td>AE40M</td>
<td>164-9244</td>
</tr>
<tr>
<td>230V ac</td>
<td>6mA</td>
<td>AE40M</td>
<td>164-9245</td>
</tr>
</tbody>
</table>

#### Security – Warning Devices - Audible & Visual

- Low Current Consumption
- IP54 or IP65 Option
- 8 Selectable Tones
- Operating Temperature -20°C to +45°C
- Low current, high output sounders
- Ideal for security alarms, annunciators, caravans, boats and small commercial installations

### Banshee 32 Tone Sounders

- Traditional multi-tone sounders with modern and easy-to-install features, complemented by an aesthetic design. Meeting the expectations of the architect, installer and user, these efficient sounders are designed for all applications. Designed with a push-and-twist bayonet fitting for easy installation.
Quadalarm
Medium Output

A medium output sounder suitable for general purpose commercial and industrial applications.
- Wide operating voltage range 10 to 30V dc
- 4 different sound options
- Complies with BS5839 Part 1: 2002

Supply Voltage
Current (min.) 10 to 30V dc
Output sound level @ 1 metre
Sound Frequency
96dB(A) 800Hz to 1kHz

Yodalarm, Y03 Series - IP54
High Output 100dB(A)

High output alarm sounder housed in a compact flame retardant ABS case, ideally suited for fire, safety and security hazard warning.
- Volume control
- Low current consumption
- 32 different sound options (selectable via DIP switch)
- Sealed to IP4
- 2 stage alarm
- Complies with BS5839, Part 1: 2002

Supply Voltage
12/35Vac or 110V
230Vac
Output Sound Level @ 1 metre
24V dc, 26mA
115V ac, 27mA
230V ac, 13mA
Sound Frequency
800Hz to 1kHz
Volume Control (18dB approx) d/c conversion only
-25°C to +6°C

Yodac, Y04 Series - IP54
12/24V dc

A versatile, compact electronic sounder designed for fire, security and hazard warning.
- High sound output
- Low current consumption
- 32 selectable tones (via dip switch)
- Sealed to IP4
- Manufactured from high impact flame resistant ABS plastic

Output sound level @ 1 metre
50dB(A)
Current consumption
24V dc, 13mA
230V ac, 30mA
Operating Temperature
-25°C to +55°C

Yodalarm, Y04/Y08 & Y08 Super Series - IP54

- Versatile compact electronic sounder
- High sound output
- 32 selectable tones (via dip switch)
- Sealed to IP4
- Manufactured from high impact flame resistant ABS plastic

Output sound level @ 1 metre
222249
Current (mA)
30mA 300mA
Operating Temperature
-25°C to +55°C

Yodalarm, Y05 - IP54
230V ac

High output alarm sounders, ideally suited for fire, safety and industrial process sectors.
- Low current consumption
- 32 sound signals via dip switch
- Manufactured from flame retardant ABS
case
- Sealed to IP5
- Complies with BS5839 & EN54-3

Output sound level @ 1 metre
30dB(A)
Current consumption
24V dc, 30mA
230V ac, 30mA
Operating Temperature
-25°C to +55°C
Sonos - Alarm Sounders

Unique, multi-purpose alarm sounders optimised for fire applications and fitted with the TimeSaver Base®. Suitable for use in all locations, both indoors and outdoors.

- 32 distinct tones
- Quick and safe installation
- Tone and volume setting can be preset or adjusted 'off-base'
- EN54 3:2001 and BS5839 pt 1 compliant
- Starting Current 30mA (2ms) Housing White ABS
- Operating Current (tone 3) 8mA (12V) Sound Output Level 96dB(A) (12V)
- Operating Voltage 9 to 28Vdc Operating Temperature -25°C to +80°C
- Voltage 8 - 35Vdc Rating Continuous
- Frequency 400 - 2850Hz Weight 215g (Shallow Base), 250g (Deep Base)

Standard Sounder

Askari Compact

- A discreet sounder suitable for flush or surface fixing
- Provides an excellent combination of high sound output and neat appearance
- Ideal for retail, hotel and residential applications such as sheltered housing
- Low current consumption
- 32 tones
- Second tone for two stage alarms
- Automatic synchronisation
- Volume control

Voltage 9 - 28VDC
Current 18mA @ 24Vdc (using tone 3) Output 90dB(A) @ 24Vdc
IP Rating IP54

High Output Sounders

Asserta

- Designed to cope with harsh environments requiring high IP ratings
- Available as 2 output versions operating from either 24Vdc or 115-230Vac
- Simple first and second stage installation
- 42 tones
- 3 stage alarm
- Sounder time out - user adjustable
- Colour: Red

Voltage 24V
Current 120mA/450mA (110dB/120dB) Output 110dB(A) or 120dB(A)
IP Rating IP66
Temperature Range -20°C to +70°C
Dimensions (WxHxD) 168 x 168 x 155mm Weight 1.6kg

Midi

- A versatile, compact unit designed for industrial areas
- Robust and well protected alarm
- Suitable for use with a wide range of fire and process systems
- 32 tones
- 2 stage alarm
- Simple first and second stage installation
- Colour: Red

Voltage AC - 24Vac = 18 - 30Vdc
Current AC - 24Vdc = 43mA DC = 9 - 60Vdc
Output 110dB(A) 
IP Rating IP66
Temperature Range -20°C to +70°C
Dimensions (WxHxD) 165 x 136 x 132mm Weight 0.8kg

FREE GLOBAL LEGISLATION SUPPORT
RoHS, REACH, WEEE, ErP, Batteries Directive - latest updates, free white papers and live online Q&A at element14.com/legislation
## Standard Sounder
### RoLP - Roshni Low Profile
- High sound output
- Low current consumption
- 32 tones (user selectable)
- Automatic synchronisation
- Volume control
- Second tone for two stage alarms
- Lockable base
- Suitable for outdoor use

**Operating Voltage:** 110 to 230Vac
**Operating Current (tone 3):** 16mA
**Operating Temperature:** -10°C to +55°C

### Price Each

<table>
<thead>
<tr>
<th>Colour</th>
<th>Order Code</th>
<th>1+</th>
<th>10+</th>
<th>25+</th>
<th>50+</th>
<th>100+</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>175-1901</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

---

## Siren - Motor Driven
### Mini Mono P - Fire/Alarm Sirens
- High-quality siren sound
- Low voltage DC and high voltage AC for use in all applications
- Suitable for fire alarms, general purpose process control and time signalling
- Horizontal mounting
- Colour: Grey

**Description**
- Voltage: 24V
- Current: 0.5A
- Output: 103dB@1m
- Frequency: 1000Hz
- Weight: ABS

**Price Each**

<table>
<thead>
<tr>
<th>Colour</th>
<th>Order Code</th>
<th>1+</th>
<th>10+</th>
<th>25+</th>
<th>50+</th>
<th>100+</th>
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</thead>
<tbody>
<tr>
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<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

### Mono 72 - High Output Sirens
- High output siren sound (120dB)
- Rugged construction for use in all environments
- High voltage AC

**Description**
- Voltage: 110V/230V AC
- Current: 1.0A
- Output: 120dB@1m
- Frequency: 1800Hz
- Weight: ABS

**Price Each**

<table>
<thead>
<tr>
<th>Colour</th>
<th>Order Code</th>
<th>1+</th>
<th>5+</th>
<th>10+</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>175-1901</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

---

## Security
### Warning Devices Audible & Visual
- A powerful motor driven siren producing a very high sound output, designed for use as an internal or external security alarm.

**Description**
- Voltage: 230V AC
- Current: 1.0A
- Output: 127dB@1m
- Frequency: 1800Hz
- Weight: ABS

**Price Each**

<table>
<thead>
<tr>
<th>Colour</th>
<th>Order Code</th>
<th>1+</th>
<th>5+</th>
<th>10+</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellow</td>
<td>881-0150</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

---

## Audio, Office and Electrical
### Security - Warning Devices Audible & Visual
- Import permit may be required for Malaysia.

**Description**
- Voltage: 110V AC/DC
- Current: 0.5A
- Temperature Range: -30°C to +45°C
- IP Rating: IP44
- Weight: 200g

**Price Each**

<table>
<thead>
<tr>
<th>Colour</th>
<th>Order Code</th>
<th>1+</th>
<th>5+</th>
<th>10+</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>175-1901</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

---

## Signal Horn
### Signal Horn 582
- Small horn with trumpet that should be mounted with horn outlet facing downwards.
- High sound output
- Low current consumption
- 32 tones (user selectable)
- Automatic synchronisation
- Volume control
- Second tone for two stage alarms
- Lockable base

**Description**
- Voltage: 24V DC
- Current: 0.13A
- Temperature Range: -10°C to +55°C
- IP Rating: IP44
- Weight: 0.5kg

**Price Each**

<table>
<thead>
<tr>
<th>Colour</th>
<th>Order Code</th>
<th>1+</th>
<th>5+</th>
<th>10+</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>175-1901</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

---

### Signal Horn 570
- Medium size trumpet horn that should be mounted with horn outlet facing downwards.
- High output siren sound
- Suitable for fire alarms, general purpose process control and time signalling
- Horizontal mounting
- Colour: Red/Black

**Description**
- Voltage: 110V/230V AC
- Current: 0.46A
- Temperature Range: -30°C to +45°C
- IP Rating: IP65
- Weight: 1.7kg

**Price Each**

<table>
<thead>
<tr>
<th>Colour</th>
<th>Order Code</th>
<th>1+</th>
<th>4+</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>175-1901</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

---

## Master Blaster - High Output Siren
- Import permit may be required for Malaysia.

**Description**
- Voltage: 230V AC
- Current: 0.9A
- Temperature Range: -10°C to +55°C
- IP Rating: IP44
- Weight: 1.8kg

**Price Each**

<table>
<thead>
<tr>
<th>Colour</th>
<th>Order Code</th>
<th>1+</th>
<th>5+</th>
<th>10+</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>175-1901</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

---

## Signal Horn
### Signal Horn 582
- Small horn with trumpet that should be mounted with horn outlet facing downwards.
- High sound output
- Low current consumption
- 32 tones (user selectable)
- Automatic synchronisation
- Volume control
- Second tone for two stage alarms
- Lockable base

**Description**
- Voltage: 24V DC
- Current: 0.13A
- Temperature Range: -10°C to +55°C
- IP Rating: IP44
- Weight: 0.5kg

**Price Each**

<table>
<thead>
<tr>
<th>Colour</th>
<th>Order Code</th>
<th>1+</th>
<th>5+</th>
<th>10+</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>175-1901</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

---

## Signal Horn 570
- Medium size trumpet horn that should be mounted with horn outlet facing downwards.
- High output siren sound
- Suitable for fire alarms, general purpose process control and time signalling
- Horizontal mounting
- Colour: Red/Black

**Description**
- Voltage: 110V/230V AC
- Current: 0.46A
- Temperature Range: -30°C to +45°C
- IP Rating: IP65
- Weight: 1.7kg

**Price Each**

<table>
<thead>
<tr>
<th>Colour</th>
<th>Order Code</th>
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<th>4+</th>
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<tbody>
<tr>
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<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

---

## Master Blaster - High Output Siren
- Import permit may be required for Malaysia.

**Description**
- Voltage: 230V AC
- Current: 0.9A
- Temperature Range: -10°C to +55°C
- IP Rating: IP44
- Weight: 1.8kg

**Price Each**

<table>
<thead>
<tr>
<th>Colour</th>
<th>Order Code</th>
<th>1+</th>
<th>5+</th>
<th>10+</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>175-1901</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>
Signal Horn & Beacon Combination

LED/B-Tone Horn Combination
424 series

- Electronic Horn in combination with LED Permanent Beacon
- Horn with long life duration up to 5,000 hrs
- LED Permanent Beacon with long life duration up to 50,000 hrs
- Optical and audible signal can be triggered separately
- Integrated mounting bracket
- High protection rating IP65

Dimensions (DxWxH): 91.4 x 82.75 x 234.5mm
Connectors: Screwable conn. with wire protection max. 1.5 mm²
Temperature range: -20...+50°C
Sound level: 98 dB
Light source: LED
Dome: PC, transparent
Fixing: Bracket mounting
Life duration: 50,000 hrs, 5000 hrs for horn
Protection: IP65

<table>
<thead>
<tr>
<th>Voltage Colour</th>
<th>Mftrs. List No.</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>24V Yellow</td>
<td>42432075</td>
<td>151-9145</td>
</tr>
</tbody>
</table>

KLAXET Hooter

- Robust and Reliable
- Rugged Die-Cast Construction
- Universal Mounting Plate
- Adaptable Series
- Heavy Duty Bells
- Integration and no contacts to wear out
- Suitable for warning and alarm applications.
- The 9V to 15V version has a grey gong.
- The back plate is moulded in vandal-resistant polycarbonate and houses the solenoid movement and terminal block.

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Mftrs. List No.</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>12V</td>
<td>107-843</td>
<td>119-643</td>
</tr>
</tbody>
</table>

Alarm Bells

Low Voltage dc - 9V to 15V

Solenoid driven, electronically controlled alarm bells producing a loud clear ring with the advantage of a low current consumption and no contacts to wear out. Suitable for warning and alarm applications. The 9V to 15V version has a grey gong.

Note: When mounting the bell externally it should be used with a bell enclosure as the bell is not weather resistant.

<table>
<thead>
<tr>
<th>Voltage Range</th>
<th>Sound Level</th>
<th>Current</th>
<th>Colour</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 to 15V</td>
<td>96dB(A)</td>
<td>0.06A</td>
<td>Grey</td>
<td>132-0826</td>
</tr>
</tbody>
</table>

Centrifugal Motorised Bell - 24V dc

- Centrifugal motorised bell
- 2 sizes, smallest suitable for hotel bedrooms where 75dB (A) bedhead sound level is required
- Low current consumption
- 4 way terminal block for loop wiring
- Terminal capacity 2.5mm²
- Red steel gong
- Black moulded polycarbonate base

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Height</th>
<th>Voltage Range</th>
<th>Current</th>
<th>Nom. Voltage</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>102(4”)</td>
<td>63</td>
<td>24V dc</td>
<td>18 to 30V</td>
<td>20mA</td>
<td>132-0825</td>
</tr>
<tr>
<td>152(6”)</td>
<td>63</td>
<td>24V dc</td>
<td>18 to 30V</td>
<td>25mA</td>
<td>132-0826</td>
</tr>
</tbody>
</table>

Heavy Duty Bells

Adaptable Series

- Universal Mounting Plate
- Rugged Die-Cast Construction
- Robust and Reliable

<table>
<thead>
<tr>
<th>Supply Voltage</th>
<th>Size</th>
<th>Sound Level</th>
<th>Current</th>
<th>Mftrs. List No.</th>
<th>Order Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>24V Ac</td>
<td>101 mm*4</td>
<td>99dB</td>
<td>62 A</td>
<td>A8B-K-24DCFA</td>
<td>164-9254</td>
</tr>
<tr>
<td>24V Ac</td>
<td>101 mm*4</td>
<td>99dB</td>
<td>n/a</td>
<td>A8B-K-24ACFA</td>
<td>164-9253</td>
</tr>
<tr>
<td>12V Ac</td>
<td>102 mm*4</td>
<td>99dB</td>
<td>22 A</td>
<td>A8B-K-230AFA</td>
<td>164-9254</td>
</tr>
<tr>
<td>24V Ac</td>
<td>152 mm*4</td>
<td>101dB</td>
<td>62 A</td>
<td>A8B-K-120ACFA</td>
<td>164-9256</td>
</tr>
<tr>
<td>24V Ac</td>
<td>152 mm*4</td>
<td>101dB</td>
<td>22 A</td>
<td>A8B-K-230ACFA</td>
<td>164-9257</td>
</tr>
<tr>
<td>115V Ac</td>
<td>152 mm*4</td>
<td>101dB</td>
<td>62 A</td>
<td>A8B-K-24ACFA</td>
<td>164-9258</td>
</tr>
<tr>
<td>230V Ac</td>
<td>152 mm*4</td>
<td>101dB</td>
<td>22 A</td>
<td>A8B-K-230ACFA</td>
<td>164-9260</td>
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<tr>
<td>24V Oc</td>
<td>203 mm*8</td>
<td>102dB</td>
<td>62 A</td>
<td>A8B-K-24DCFA</td>
<td>164-9261</td>
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<tr>
<td>230V Ac</td>
<td>203 mm*8</td>
<td>102dB</td>
<td>22 A</td>
<td>A8B-K-230ACFA</td>
<td>164-9263</td>
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</tbody>
</table>