

SECTION 3 ONLINE CATALOGUE

AUDIBLE VISUAL & WARNING DEVICES
BUZZERS
SIRENS & SOUNDERS

AUDIBLE & VISUAL



SKTL



LED Strobe Signal Light
and Electric Horn Combinations

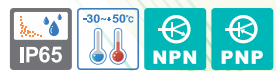


QWCD35

QWCD50



S180...



QT50L/ QT50ML
QT70L/ QT70ML



LED Modular
Tower Lights



Steel Housing
Electric Horn/Heavy Industrial

105dB SN Range



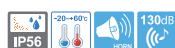
123dB SM400
Motorised Siren



Multiple Colour LED Steady/
Flashing Signal Lights



SMCL



Airhorns for Vessels and
Heavy Industrial Applications



SANA200

SANA400

<u>INDUSTRIAL</u>											
MODEL	HAWK HPM	SD60ADH	SRN...	ASTBM-24D	ASSERTA MINI	EAGLE EBM	SM30	ASSERTA MIDI	QAP...	SEN...	QWH35
OUTPUT	92dB	100dB	98-105dB	105dB	105dB	107dB	110dB	108dB 112dB	95-115dB	98-115dB	115dB
TONES	32	1	5 Warning Sounds 5 Melodies 5 Alarms 5 Custom	16	32	32	Motor Siren	32	30 Built-in 30 (MP3)	5 Warning Sounds 5 Melodies 5 Alarms 5 Custom	31
VOLTAGE/CURRENT	DC12-24V	DC12-24V AC110-220V	DC12/24V AC110/220V	DC12-24V	DC9-60V AC110-230V	DC12-24V	DC12-24V AC110-220V	DC9-60V AC115-230V	DC12-24V AC110-220V	DC12/24V AC110/220V	DC12-24V AC110-220V
PROTECTION	IP65	IP54	IP55	IP65 IP43	IP66	IP65 IP54	IP44	IP66	IP65	IP55	IP66
SPECIAL FEATURES		1 Buzzer tone		Deep Base Shallow Base	2 Alarm Stages	Deep Base Shallow Base	10 min runtime	2 Alarm Stages	Mp3 SD card Support		Mp3 SD card Support
<u>HEAVY-DUTY</u>											
MODEL	SM40	SEWN30E	DB3	SEHN...	ASSERTA MAXI	SM200	QWH50	SM400	SANA700	SANA400	SANA200
OUTPUT	116dB	113-118dB	118dB	108-120dB	110dB 120dB	120dB	123dB	123dB	130dB	130dB	130dB
TONES	Motor Siren	5 Warning Sounds 5 Melodies 5 Alarms 5 Custom	27	5 Warning Sounds 5 Melodies 5 Alarms 5 Custom	42	Motor Siren	31	Motor Siren	Air Horn	Air Horn	Air Horn
VOLTAGE/CURRENT	DC12-24V AC110-220V	DC12/24V AC110/220V	DC12/24/48V AC230V	DC1224V AC110/220V	DC18-28V AC115-230V	DC24V AC110-220V	DC12-24V AC110-220V	DC24V AC110-220V	DC24V AC110-220V	DC24V AC110-220V	DC24V AC110-220V
PROTECTION	IP44	IP56	IP67	IP55	IP66	IP44	IP66	IP44	IP56	IP56	IP56
SPECIAL FEATURES	10 min runtime	Wall Mount	Available in Explosion Proof	Steel Housing	3 Alarm Stages	10 min runtime	Mp3 SD card Support	3 min runtime	700-800Hz	400-600Hz	200-300Hz

50dB
Normal
Conversation (average)

Office(70 dB)
Factory(80 dB)

120dB
Thunderclap(121 dB)

100dB
Jackhammer(100 dB)

110dB
Live rock music (108 - 114 dB)

MIMIC COMPONENTS
5 Ramsay Street, Booyens 2091, Johannesburg

sales@mimic.co.za
www.mimic.co.za

TEL: (011) 689-5700
FAX: (011) 493-8821

Q100L COMBO - Upgraded Product 31.08.2022



Q100L Direct Mount LED Steady/ Flashing Signal Light

- Direct mount type with the three bolts/screws located on the bottom of the product

Common Specifications(Q100L/ Q100LW/ Q100LP)

- Standard-sized signal lights of Ø100mm with attractive appearance
- Shock and vibration-resistant, maintenance reduced with long-lasting energy-efficient LED light source
- Selectable mounts available depending on your application environment (direct mount, wall mount, pole mount)
- Features high visibility with special diffusive lens and direct LED light distribution system
- Built-in buzzer available (Volume : Max 80dB at 1m)
- Built-in switches for steady and flashing light function mode
- Flashing rate : 60-80 flashes/min
- Materials : Lens-PC, Housing-ABS, Bracket-PC
- Ambient operating temperature : -30°C to +50°C
- Protection rating : IP65
- Certificates : CE Compliant, UL Listed
- Compliant with RoHS directive

Model number	Voltage	Current	Certificates	Weight	Color
Q100L	DC12V-24V	Max 0.255A	 DC24V only	• Q100L-0.28kg • Q100LW-0.70kg • Q100LP-1.22kg (Weight Above Include QZ24)	• R-Red • A-Amber • G-Green • B-Blue
	AC110V-220V	Max 0.067A			

※ DC type model has a free-voltage range of 10V-30V.

※ AC type model has a free-voltage range of 100V-240V.

EAGLE-EBM Sounder



Very loud & continuously rated. It is far superior to the wind-up mechanical version in that it cant jam up with dust or burn out. The EAGLE has 32 different tones, switch selectable, and multiple units can be synchronised to WOOP together.

- Materials : Housing-ABS
- Enhanced output on six key tones
- Compatible with standard RoLP
- Volume Control 10dB
- Automatic Synchronisation
- Second tone for two stage alarms
- Lock-able base
- Ambient operating temperature : -25°C to +70°C
- Monitoring: Reverse polarity
- Color : Red

Model	Output	Tones	Voltage	Current	Protection
EBM	107dB	32	DC12V DC24V AC240V	0.008A 0.018A 0.035A	IP65 Deep Base



Q80L COMBO - Upgraded Product 31.08.2022



Q80L Direct Mount LED Steady/ Flashing Signal Light

- Direct mount type with the three bolts/screws located on the bottom of the product

Common Specifications(Q80L/ Q80LW/ Q80LP)

- Small-sized signal light of 80mm with attractive appearance
- Shock and vibration-resistant, maintenance reduced with long-lasting energy-efficient LED light bulb
- Selectable mounts available depending on your application environment (direct mount, wall mount, pole mount)
- Materials : Lens-PC, housing-ABS, mounting bracket-PC
- Features high visibility with special diffusive lens and direct LED light distribution system
- Built-in buzzer available (Volume : Max 80dB at 1m)
- Built-in switches for steady and flashing light function mode
- Flashing rate : 60-80 flashes/min
- Ambient operating temperature : -30°C to +50°C
- Protection rating : IP65
- Certificates : CE Compliant, UL Listed
- Compliant with RoHS directive

Model number	Voltage	Current	Certificates	Weight	Color
Q80L	DC12V-24V	Max 0.190A	 DC24V only	• Q80L-0.15kg • Q80LW-0.57kg • Q80LP-1.09kg (Weight Above Include QZ24)	• R-Red • A-Amber • G-Green • B-Blue
	AC110V-220V	Max 0.052A			

※ DC type model has a free-voltage range of 10V-30V.

※ AC type model has a free-voltage range of 100V-240V.

EAGLE-EBM Sounder

Very loud & continuously rated. It is far superior to the wind-up mechanical version in that it can't jam up with dust or burn out. The EAGLE has 32 different tones, switch selectable, and multiple units can be synchronised to WOOP together.

- Materials : Housing-ABS
- Enhanced output on six key tones
- Compatible with standard RoLP
- Volume Control 10dB
- Automatic Synchronisation
- Second tone for two stage alarms
- Lock-able base
- Ambient operating temperature : -25°C to +70°C
- Monitoring: Reverse polarity
- Color : Red

Model	Output	Tones	Voltage	Current	Protection
EBM	107dB	32	DC12V DC24V AC240V	0.008A 0.018A 0.035A	IP65 Deep Base



KIB138 PIEZO BUZZER



S - Normally Stock
L - Limited Stock
O - Ex Order

COMMERCIAL AND FIRE

- Colour: Black
- Material of Case: ABS
- Ambient operating temperature: -20°C to +60°C

Model	Output	Tones	Voltage	Current	Protection
MBS-05	85dB	Single Tone	DC5V	0.03A	N/A



KIB18 MAGNETIC BUZZER



S - Normally Stock
L - Limited Stock
O - Ex Order

- Colour: Black
- Materials : Housing-ABS
- Ambient operating temperature : -20°C to +60°C
- Terminal: Lead

Model	Output	Tones	Voltage	Current	Protection
1S306L	85dB	Single Tone	DC6V	0.035A	N/A



KIB28 MAGNETIC BUZZER



S - Normally Stock
L - Limited Stock
O - Ex Order

- Colour: Black
- Materials : Housing-ABS
- Ambient operating temperature : -20°C to +60°C
- Terminal: Pin or Lead

Model	Output	Tones	Voltage	Current	Protection
2S312OP (Pin) 2S312OL (Lead)	95dB	Single Tone	DC12V	0.040A	N/A



KIB38 LOW COST PIEZO BUZZER



S - Normally Stock
L - Limited Stock
O - Ex Order

- Colour: Ivory
- Materials : Stainless Steel Piezo Element, Housing- Fire Retardant ABS
- Ambient operating temperature : -20°C to +60°C
- Terminal: Pin or Lead

Model	Output	Tones	Voltage	Current	Protection
3S312LE	105dB	Single Tone	DC12V	0.030A	N/A
3S312P	105dB	Single Tone	DC12V	0.030A	
3S312L	105dB	Single Tone	DC12V	0.030A	
3S324L	100dB	Single Tone	DC24V	0.020A	
3P312L	100dB	Pulse Tone	DC12V	0.020A	



KIB78 SHRIKE PIEZO BUZZER



S - Normally Stock
L - Limited Stock
O - Ex Order

- Cutout: Ø19mm
- Colour: Black
- Materials : Housing-ABS
- Ambient operating temperature : -20°C to +60°C
- Terminal: Lead

Model	Output	Tones	Voltage	Current	Protection
7S3120L	95dB	Single Tone	DC12V	0.015A	N/A
7P3120L	90dB	Single Tone	DC12V	0.010A	
7D3240L	90dB/95dB	Single/Pulse Tone	DC24V	0.020A	



KIB98 MAGNETIC BUZZER



S - Normally Stock
L - Limited Stock
O - Ex Order

- Colour: Black
- Materials : Housing-ABS
- Ambient operating temperature : -20°C to +60°C
- Terminal: Pin or Lead

Model	Output	Tones	Voltage	Current	Protection
9S324L	85dB	Single Tone	DC24V	0.008A	N/A
92312P	85dB	Single Tone	DC12V	0.008A	
13S412P	85dB	Single Tone	DC12V	0.030A	



KIB98 MAGNETIC BUZZER



S - Normally Stock
L - Limited Stock
O - Ex Order

COMMERCIAL AND FIRE

- Colour: Black
- Materials : Housing-ABS
- Ambient operating temperature : -20°C to +60°C
- Pin Type: EX Indent
- Terminal: Lead

Model	Output	Tones	Voltage	Current	Protection
9S324L	85dB	Single Tone	DC24V	0.008A	N/A
9S312P			DC12V	0.008A	
13S412P			DC12V	0.030A	



KIB278 PIEZO BUZZER



S - Normally Stock
L - Limited Stock
O - Ex Order

- Colour: Black
- Materials : Housing-ABS
- Ambient operating temperature : -20°C to +60°C
- Terminal: Lead

Model	Output	Tones	Voltage	Current	Protection
27PN3120	105dB	Pulse Tone	DC12V	0.045A	N/A



FM-12HB-907 PIEZO BUZZER



S - Normally Stock
L - Limited Stock
O - Ex Order

- Cutout: Ø31mm
- Colour: Black
- Materials : Housing-ABS
- Ambient operating temperature : -20°C to +60°C
- Terminal: Screw for Lug

Model	Output	Tones	Voltage	Current	Protection
FM-12HB-907	90dB	Single Tone Pulse Tone	DC12V	0.010A	N/A



BLACKBIRD PIEZO BUZZER



S - Normally Stock
L - Limited Stock
O - Ex Order

- Cutout: Ø30mm
- Colour: Black
- Robust construction AQ Military Standard
- Panel Mounted Piezo Buzzer
- Japanese Stainless Steel Piezo Element
- Medium to Loud sound output ideal for control Room Alarms
- Material of case: Nylon
- Terminals: Industrial screw for lug or remove screw to fit 6.3mm fast-on

Model	Output	Tones	Voltage	Current	Protection
BPM-12D	100dB	Single Tone	DC12V	0.030A	N / A
BPMS-12B	80dB	Single Tone	AC/DC12V	0.030A	
BPM-24D	80dB	Pulse Tone	DC24V	0.022A	
BPM-24B	80dB	Pulse Tone	AC/DC24V	0.022A	
BPMS-24D	80dB	Single Tone	DC24V	0.022A	
BPM-32B	80dB	Pulse Tone	AC/DC32V	0.022A	
BPMS-32B	80dB	Single Tone	AC/DC32V	0.022A	
BPM-48B	80dB	Pulse Tone	AC/DC48V	0.022A	
BPM-110A	80dB	Pulse Tone	AC/DC110V	0.010A	
BPM-220A	80dB	Pulse Tone	AC/DC220V	0.010A	
BPMS-220A	80dB	Single Tone	AC/DC220V	0.010A	



BPM-12D to BPM-48B



BPM-110A & BPM-220A



BPM-125D Panel Mount

Model	Output	Tones	Voltage	Current	Protection
BPM-125D Panel Mount	80dB	Pulse Tone	DC125V		N/A

KIB MBS MAGNETIC BUZZER



S - Normally Stock
L - Limited Stock
O - Ex Order

COMMERCIAL AND FIRE

- Colour: Black
- Material of Case: ABS or Nylon SEI-GFN2
- Ambient operating temperature: -20°C to +60°C

Model	Output	Tones	Voltage	Current	Protection
MBS-05 MBS-12	85dB	Single Tone	DC5V DC12V	0.03A 0.03A	N/A



KIB168 PIEZO TRANSDUCER



S - Normally Stock
L - Limited Stock
O - Ex Order

- Colour: Black
- Material of Case: Nylon
- Ambient operating temperature: -20°C to +60°C

Model	Output	Tones	Voltage	Current	Protection
16PZ320	95dB	Single Tone	DC9V	0.015A	N/A



KIB208 MAGNETIC BUZZER



S - Normally Stock
L - Limited Stock
O - Ex Order

- Colour: Black
- Material of Case: ABS
- Ambient operating temperature: -20°C to +60°C

Model	Output	Tones	Voltage	Current	Protection
20S1091 20S1120	75dB	Single Tone Single Tone	DC9V DC12V	0.015A	N/A



MIGHTY MIDGET



S - Normally Stock
L - Limited Stock
O - Ex Order

- Colour: Black
- Material of Case: ABS
- Ambient operating temperature: -20°C +60°C
- Terminal: UL WIRE #1007 24AWG
- Connection: Grey (+) & BLACK (-)

Model	Output	Tones	Voltage	Current	Protection
30S312L 30T312L	100dB	Single Tone Two Tone	DC12V	0.15A	N/A



SD60ADH



S - Normally Stock
L - Limited Stock
O - Ex Order

Qlight



- Elegant wall mounted buzzer horn
- Horn resonance structure gives the product low power consumption and high sound tone
- Cone sound diffusion structure provides wide & excellent signal sound • transmission effect
- Sound volume : Max. 100dB at 1m
- Ambient operating temperature : -25°C to +50°C
- Protection rating : Ip54
- Certificates : CE Compliant

Model	Output	Tones	Voltage	Current	Protection
S60ADH	100dB	1 Buzzer Tone	DC12V DC24V AC110V AC220V	0.083A 0.042A 0.016A 0.008A	IP54



HAWK - HPM....



S - Normally Stock
L - Limited Stock
O - Ex Order



INDUSTRIAL



- Cutout: ø26mm
- Colour: Red
- Volume control
- High sound output, 101dB @ 1 metre.
- Continuous & pulsed modes.
- Protection rating: IP 65
- Panel mounted.
- Low current consumption (8mA on 12V DC & 18mA on 24V DC).
- Weather protection (achieved by complete encapsulation of the electronic circuit)

Model	Output	Tones	Voltage	Current	Protection
HPM	92dB	32	DC12V DC24V	0.008A 0.018A	IP65



EAGLE - EBM....



S - Normally Stock
L - Limited Stock
O - Ex Order



Very loud & continuously rated. It is far superior to the wind-up mechanical version in that it cant jam up with dust or burn out. The EAGLE has 32 different tones, switch selectable, and multiple units can be synchronised to WOOP together.

- Materials : Housing-ABS
- Enhanced output on six key tones
- Compatible with standard RoLP
- Volume Control 10dB
- Automatic Synchronisation
- Volume control
- Second tone for two stage alarms
- Lock-able base
- Ambient operating temperature : -25°C to +70°C
- Monitoring: Reverse polarity
- Color : Red

Model	Output	Tones	Voltage	Current	Protection
EBM	107dB	32	DC12V DC24V AC240V	0.008A 0.018A 0.035A	IP54 Shallow Base IP65 Deep Base



Shallow Base



Deep Base

POWERED BASE

The Powered Deep Base incorporates a small 24Vdc supply that allows any of the compatible Fulleon sounders and Beacons to be operated from 110 or 230 Vac supplies.

- Wide input voltage range
- Suitable for external use
- Compatible with: RoLP, RoLP Solista, Flashni, Solex 3/10, Solista
- Ambient operating temperature : -25°C to +70°C
- Input Voltages: AC86V - AC264V @ 50-60Hz
- Output Voltage: DC24V
- Output Current: 0.1A
- Protection: IP65



ASTOUNDER - ASTBM-24D



S - Normally Stock
L - Limited Stock
O - Ex Order



- High sound output 105dB@1metre
- Low current consumption
- 16 user selectable tones
- Automatic synchronisation
- Volume control
- Ip43 (Ip65 with conduit base)
- Override tone & custom tones
- Shallow or Deep base options
- Colour: Red or White

Model	Output	Tones	Voltage	Current	Protection
ASTBM-24D	105dB	16	DC12V DC24V	0.013A 0.020A	IP43 IP65



ASSERTA MINI (105dB SOUNDER)

S - Normally Stock
L - Limited Stock
O - Ex Order

**INDUSTRIAL**

The most compact sounder in the Asserta Range, the Asserta Mini Sounder/Beacon (S/B) is a rugged unit with a high IP rating. Suitable for use in harsh environments, its low current consumption and optional integrated beacon adapt it well to either fire systems or use as a general signalling device in industrial applications. Where the Mini is used in secure applications there is an option to add a tamper switch so that any interference with the unit can signal an alarm to a security panel.

- 32 Tones
- Wide operating voltage
- IP66 protection
- Compact enclosure
- Ideal for all general signalling applications
- Adaptable to all types of installation
- Suitable for harsh environments
- Can be used even in cramped spaces
- Material: ABS
- Colours: Red / Grey
- Alarm stages: 2



Model	Output	Tones	Voltage	Current	Protection
ASSERTA MINI	105dB	32	DC9V-60V AC110-230V	0.013A 0.020A	IP66

ASSERTA MIDI (108 - 112dB SOUNDER)

S - Normally Stock
L - Limited Stock
O - Ex Order



The Asserta Midi Sounder is a versatile, compact unit that has been designed for industrial environments or areas where there is a requirement for a robust alarm. Available for use in a wide range of fire and process systems.

- 112dB(A) output
- 32 Tones
- Robust design with Ip66 protection
- For Fire and general signalling use
- Large Range of Tone options
- Signal for different Alarm levels
- For demanding environments
- Material: ABS
- Colours: Red / Grey
- Alarm stages: 2



Model	Output	Tones	Voltage	Current	Protection
ASSERTA MIDI	108dB 112dB	32	DC9V-60V AC24V AC115-230V	0.024A 0.023A 0.012A	IP66

ASSERTA MAXI (120dB SOUNDER)

S - Normally Stock
L - Limited Stock
O - Ex Order



The Asserta Maxi sounder is designed to cope in harsh environments and gives protection for water ingress Ip66. Designed to ensure safer and easier installation, while providing flexibility with fewer product variants.

- Powerful 120dB(A) output
- 3 stage alarm and time out function
- 42 alarm tones
- Robust design with IP66 protection
- Maximum sound output for high noise environments
- 3 levels of alarm for differing warning states
- Large range of tone options
- For demanding environments in non-hazardous areas
- Material: ABS
- Colours: Red / Grey
- Alarm stages: 3



Model	Output	Tones	Voltage	Current	Protection
ASSERTA MAXI	110dB 120dB	42	DC18V-28V AC115V-230V	0.105A@DC24V 0.45A@DC24V 0.04A@AC230V 0.065A@AC230V	IP66

QWH35 (115dB SOUNDER)S - Normally Stock
L - Limited Stock
O - Ex Order

Qlight

INDUSTRIAL

QWH50 (123dB SOUNDER)

Wall mount electric horn that offers 31 pre-recorded warning sounds and 31 user selected sound messages

- Bit input offers 5 channels with 6 sound outputs
- Binary input offers 30 sound outputs and SD card (MP3) combination
- Options to select between 31 special warning sounds included in the pre-recorded sound type and SDcard (MP3) type
- Volume adjustment and sound selection switches located inside the unit.
- SDcard type allows the user to input the proper voice messages for specific operating conditions.
- The SDcard type 31 Special alarms built in which includes the voice alert from the SDcard (Mp3). 31 special warning sounds are built both in pre-recorded sound type and SDcard type
- Offers both Binary and Bit input mode options (only the SDcard type has the bit input)
- Materials : Horn-PC, Housing-ABS
- Ambient operating temperature : -30°C to +50°C
- Certificates : CE Compliant
- Compliant with RoHS directive



QWH35 series



QWH50 series

Model	Output	Tones	Voltage	Current	Protection	
QWH35	Special Warning 115dB	31(pre-recorded) 31(user-selectable)	DC12V-24V AC110V-220V	Max 0.800A Max 0.290A	IP66	
QWH35SD	Mp3 Sound 113dB					
QWH50	Special Warning 123dB		DC12V DC24V AC110-220V	1.800A 1.000A Max 0.600A		
QWH50SD	Mp3 Sound 118dB					



Pre-recorded sound type



- 1 Switch for channel selection
- 2 Switch for volume adjustment

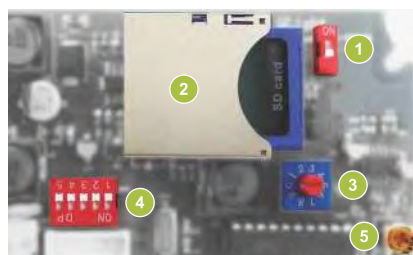
The input method of built-in sound type

	1	2	3	4	5
ON	☐	☐	☐	☐	☐
OFF	☐	☐	☐	☐	☐
No.	1	2	3	4	5
0	0	0	0	0	0
1	0	0	0	0	1
2	0	0	0	1	0
:	:	:	:	:	:
31	1	1	1	1	1

Select from 31 pre-recorded output sound options by using a combination of the 5 channel input switches.

The binary input method allows you to express each of the 31 alarm sound signals with a "0" or "1" by switching the 5 channels on and off as shown in the table.

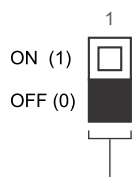
SDcard (MP3) type



- 1 Switch for sound pattern selection
- 2 SDcard slot for MP3
- 3 Switch for play mode selection
- 4 Switch for channel selection
- 5 Switch for volume adjustment

Sound selection instruction for SDcard type

You can select between pre-recorded sound mode and SDcard sound (MP3) mode with the SOUND selection switch.



Selection between pre-recorded sound mode and SDcard sound mode
0 : pre-recorded sound mode
1 : SDcard sound mode

- 31 built-in alarm sounds and special sound
- Supports SDcards for external sound (MP3)
- Binary Input : 31Ch
- Bit Input : 5Ch(SDcard only)
- A versatile product that can play MP3 files via the SD card
- Channel 1 is set as the factory default

SRN...



S - Normally Stock
L - Limited Stock
O - Ex Order

Qlight

INDUSTRIAL



- Cost effective model with high signal sound
- A variety of sound selections between warning sounds, alarm sounds, melodies and voice messages to fit your sophisticated application needs
- User defined voice signal type(WV) shall be provided upon request
- Can adjust sound volume with the switch built inside the unit
- Materials : Housing-ABS(Standard Color : Red)
- Ambient operating temperature : -25°C to +50°C
- Certificates : CE Compliant



Model	Output	Tones	Voltage	Current	Protection
SRN	108dB	5 Warning Sounds	DC12V	0.322A	IP55
	108dB	5 Melodies	DC24V	0.233A	
	105dB	5 Alarms	AC110V	0.073A	
	98dB	5 Customisable Sounds	AC220V	0.036A	

SEN15...



S - Normally Stock
L - Limited Stock
O - Ex Order

SEN25...



- General Electric Horn
- Cost effective model with high signal sound
- A variety of sound selections between warning sounds, alarm sounds, melodies and voice messages to fit your sophisticated application needs
- User defined voice signal type(WV) shall be provided upon request
- Can adjust sound volume with the switch built inside the unit
- Materials : Housing-ABS
- Color : Red
- Ambient operating temperature : -25°C to +50°C
- Protection rating : Ip55
- Certificates : CE Compliant



Model	Output	Tones	Voltage	Current	Protection
SEN15	108dB	5 Warning Sounds	DC12V	0.366A	IP55
	108dB	5 Melodies	DC24V	0.266A	
	105dB	5 Alarms	AC110V	0.077A	
	98dB	5 Customisable Sounds	AC220V	0.038A	
Model	Output	Tones	Voltage	Current	Protection
SEN25	115dB	5 Warning Sounds	DC12V	2.211A	IP55
	115dB	5 Melodies	DC24V	1.022A	
	113dB	5 Alarms	AC110V	0.226A	
	108dB	5 Customisable Sounds	AC220V	0.113A	

SEHN25... (HEAVY DUTY)



S - Normally Stock
L - Limited Stock
O - Ex Order

SEHN50... (HEAVY DUTY)

HEAVY DUTY INDUSTRIAL



- Electric Horn Vessel for heavy Industria applications
- Steel housing provides excellent vibration and shock resistance under seismic conditions
- A variety of sound selections between warning sounds, alarm sounds, melodies and voice messages to fit your sophisticated application needs
- Can adjust sound volume with the switch built inside the unit
- Materials : Housing-Steel, Horn housing -Steel
- Housing standard color : Red
- Ambient operating temperature : -25°C to +50°C
- Suitable for outdoor installation
- Certificates : KIMM Compliant



Model	Output	Tones	Voltage	Current	Protection
SEHN25	115dB	5 Warning Sounds	DC12V	2.211A	IP55
	115dB	5 Melodies	DC24V	1.022A	
	113dB	5 Alarms	AC110V	0.226A	
	108dB	5 Customisable Sounds	AC220V	0.113A	
Model	Output	Tones	Voltage	Current	Protection
SEHN50	120dB	5 Warning Sounds	DC12V	2.440A	IP55
	120dB	5 Melodies	DC24V	1.186A	
	118dB	5 Alarms	AC110V	0.244A	
	115dB	5 Customisable Sounds	AC220V	0.122A	

SEWN30E... (WALL MOUNT)



S - Normally Stock
L - Limited Stock
O - Ex Order

Qlight

HEAVY DUTY INDUSTRIAL

SEWN50E... (WALL MOUNT)



- Electric horn with tightly sealed structure has excellent durability.
- Suitable for vessels, steel industry, and outdoor plant applications
- Aluminum housing provides excellent durability
- A variety of sound selection between warning sounds, alarm sounds, melodies and voice messages to fit your sophisticated application needs
- Can adjust sound volume with the dial built inside the unit
- Terminals located inside the terminal box or product
- Cable entry : 1/2"PF
- Materials : Housing-Al, Horn housing-PC/ STS316L
- Standard Housing color : MUNSSELL No. 7.5BG 7/2
- Ambient operating temperature : -30°C to +50°C
- Suitable for outdoor installation
- Certificates : KIMM, ABS, CCS, CE Compliant

Model	Output	Tones	Voltage	Current	Protection
SEWN30E	118dB	5 Warning Sounds	DC12V	2.211A	IP56
	118dB	5 Special Warning Sounds	DC24V	1.022A	
	118dB	5 Melodies	AC110V	0.226A	
	116dB	5 Alarms	AC220V	0.113A	
	113dB	5 Customisable Sounds			
Model	Output	Tones	Voltage	Current	Protection
SEWN50E	120dB	5 Warning Sounds	DC12V	2.440A	IP56
	120dB	5 Special Warning Sounds	DC24V	1.186A	
	120dB	5 Melodies	AC110V	0.244A	
	118dB	5 Alarms	AC220V	0.122A	
	115dB	5 Customisable Sounds			



DB3 (EXPLOSION PROOF)



S - Normally Stock
L - Limited Stock
O - Ex Order

X Fullcon



A lightweight flameproof sounder, the DB3 is constructed from corrosion resistant GRP and has been designed with a high level of ingress protection to cope with the harsh conditions typically found in offshore and exposed onshore environments.

- Exde, Zone 1 and Zone 2 use
- High output up to 118dB(A)
- 27 alarm tones
- IP66/67 protection
- Suitable for explosion protected applications
- Suitable for use in very high ambient noise levels
- User can select a distinctive tone to suit the operating environment
- Internal or exposed external use
- Material: UV stabilised GRP
- Colour: Red

Model	Output	Tones	Voltage	Current	Protection
DB3	118dB	27	DC12V DC24V DV48V AC230V	0.76A 0.38A 0.19A 0.065A	Ip67



NON-STOCK / EX-INDENT

HEAVY DUTY INDUSTRIAL

A140

- 140dB
- 32 Tones
- IP55
- Colour: Grey



MA112/MA121

- 112dB - 121dB
- 32 - 45 Tones
- IP67
- Colour: Grey
- Marine Area



BExS110D / BExS120D

- 110dB-117dB
- 32 Tones
- IP67
- Colour: Grey
- Marine Area



BExS110E / BExS120E

- 110dB - 117dB
- 32 Tones
- IP66
- Colour: Grey
- Marine Area



SM30 (Ø80 MOTOR SIREN 110dB)

S - Normally Stock
L - Limited Stock
O - Ex Order



MOTIRISED SIRENS

SM40 (Ø100 MOTOR SIREN 116dB)

S - Normally Stock
L - Limited Stock
O - Ex Order



- Ø80 / Ø100mm compact structure with 110dB / 116dB sound output
- Motor RPM SM30 10,000RPM / SM40 7,000RPM
- Housing standard color SM30 Red / SM40 GREY
- Materials SM30 Steel / SM40 ABS
- Insulation resistance : 100MΩ(at 500 VDC)
- Power consumption : 40W
- Ambient operation temperature : -25°C to +50°C
- Protection rating : IP44

Model	Output	Tones	Voltage	Current	Protection
SM30	110dB	MOTOR SIREN	DC12V DC24V AC110V AC220V	3.222A 1.779A 1.333A 1.000A	IP44
Model	Output	Tones	Voltage	Current	Protection
SM40	116dB	MOTOR SIREN	DC12V DC24V AC110V AC220V	6.778A 3.666A 1.000A 0.722A	IP44



SM30



SM40

SM200 (120DB HEAVY DUTY MOTOR SIREN)

S - Normally Stock
L - Limited Stock
O - Ex Order

SM400 (123DB HEAVY DUTY MOTOR SIREN)

S - Normally Stock
L - Limited Stock
O - Ex Order

- Excellent durability and high volume are suitable for noisy environment
- Motor RPM SM200 7,200RPM / SM400 7,600RPM
- Housing standard color : Red
- Materials SM200 Steel/Al / SM400 Steel/ABS
- Insulation resistance : 100MΩ(at 500 VDC)
- Ambient operation temperature : -25°C to +50°C
- Protection rating : IP44
- Certificates : CE Compliant

Model	Output	Tones	Voltage	Current	Protection
SM200	120dB	MOTOR SIREN	DC24V AC110V AC220V	7.820A 2.105A 1.005A	IP44
Model	Output	Tones	Voltage	Current	Protection
SM400	123dB	MOTOR SIREN	DC24V AC110V AC220V	12.000A 6.300A 3.800A	IP44



SM200



SM400

SANA200 (200-300Hz AIRHORN)

S - Normally Stock
L - Limited Stock
O - Ex Order

SANA4200 (400-600Hz AIRHORN)

S - Normally Stock
L - Limited Stock
O - Ex Order

SANA700 (700-800Hz AIRHORN)

S - Normally Stock
L - Limited Stock
O - Ex Order

- High volume horn uses compressed air to power the high pitched sound made with the diaphragm
- Uses a special material which consumes a small quantity of compressed air and has long durability
- Suitable for applications like a large and noisy engine rooms, a phone alarm in a pump room, or as an emergency alarm
- Sound volume : Max. 130dB at 1m
- Housing standard color : Red, Black, 7.5BG-MUNSELL No.7.5BG 7/2
- Materials : Horn-PC, Solenoid valve box-ABS
- Air pressure : 5-7kg/cm²
- Ambient operation temperature : -20°C to +60°C
- Certificates : KIMM Compliant

Model	Output	Tones	Voltage	Current	Protection
SANA200 SANA400 SANA700	130dB	AIR HORN	DC24V AC110V AC220V	0.488A 0.111A 0.055A	IP56



SANA400



SANA700



SANA200



Flashni 12V / 24V



S - Normally Stock
L - Limited Stock
O - Ex Order



Fulleon

COMBO UNITS



The Flashni is an audible and visual device which requires one single installation point. This greatly reduces installation and costs and is much less obtrusive than two separate devices. Versions are available with the sounder and beacon linked, or with separate terminals for independent operation.

- Low current – LED technology
- Single installation point
- Two stage alarm
- Reduced current consumption vs. Xenon alternative
- Beacon and high output sounder in one package
- Alert and Alarm function
- Light Output: > 0.5Cd
- Flash Rate: 1Hz
- Volume Control: 10dB
- Monitoring: Reverse polarity
- Temperature: - 10°C + 55°C
- Construction: ABS, PC lens
- Weight: 0.3Kg
- Colours: Red or white
- Flash Colour: Red



Model	Output	Tones	Voltage	Current	Light Source	Lens Colours	Protection
Flashni 12V	103dB	32	DC9-15V	0.11A	Xenon	• Red	IP54
Flashni 24V	101dB		DC18-28V	0.068A		• Amber • Blue • Green • Clear	IP65

ROLP SOLISTA



S - Normally Stock
L - Limited Stock
O - Ex Order



Fulleon

The RoLP Solista range of LED Sounder / Beacon combo units use a low current LED, making these devices extremely efficient. Ideal for notification purposes where sounder circuit capacity is limited. The RoLP Maxi Solista is an enhanced version RoLP Solista providing a higher sound output on six key alarm tones. This is an ideal Audible and Visual alarm for use where higher noise levels require the use of a more powerful sounder.

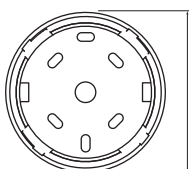
- Low current – LED technology
- Single installation point
- Two stage alarm
- Reduced current consumption vs. Xenon alternative
- Beacon and high output sounder in one package
- Alert and Alarm function
- Light Output: > 0.5Cd
- Flash Rate: 1Hz
- Volume Control: 10dB
- Monitoring: Reverse polarity
- Temperature: - 10°C + 55°C
- Construction: ABS, PC lens
- Weight: 0.3Kg
- Colours: Red or white
- Flash Colour: Red



Model	Output	Tones	Voltage	Current	Light Source	Lens Colours	Protection
RoLP Solista	101dB	32	DC9-28V	0.019A	LED	• Red	IP66
RoLP Maxi Solista	106dB		AC110-230V	0.043A			

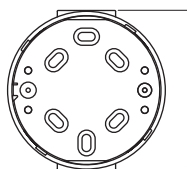
BASES

- Locking Facility on all versions
- Protection up to IP65
- FR ABS material



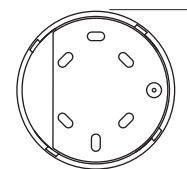
SHALLOW BASE

20mm



DEEP BASE

50mm



U - BASE

50mm

ASTROBE - SOUNDER STROBE COMBO



S - Normally Stock
L - Limited Stock
O - Ex Order

AST

COMBO UNITS



This weatherproof Sounder/Strobe (waterproof with optional conduit back box) is design optimized for use in fire alarm systems, but can be used in most applications requiring high sound output, "attention grabbing" double flash and economic current draw. A choice of 16 fully synchronized primary sounds can be selected together with 4 volume settings and 4 flash rates through dip-switch 1-8. An alternate continuous tone is available for selection on PCB terminals or by third wire remote control. Red is standard, however other colours can be done on special order.

- High sound output, 105dB @ 1metre
- Low current consumption
- 16 user selectable tones
- 4 user selectable flash rate
- Volume control
- Custom and Override tones
- Shallow or Deep base options
- IP65 weather proof version



Model	Output	Tones	Voltage	Current	Light Source	Lens Colours	Protection
ASTROBE	105dB	16	DC18-30V	0.017A	LED	o Clear	IP65

COMBO 1



S - Normally Stock
L - Limited Stock
O - Ex Order

A highly effective combination of a xenon strobe & a multi-tone electronic siren.

- Labour & Space saving.
- Space for termination of industrial cable.
- 1.5mm Stainless steel bracket.
- Voltages: 12 or 24VDC, 110 or 220VAC.
- Eagle siren: 102 dB@1m, 24 Sounds Switch Selectable.
- Volume control.
- 100 000 Candle Power, 120 Flashes Per Min.
- Colours : Red, Green, Yellow, Blue or Clear.
- When correctly installed, "COMBO 1" Is Ip65.
- If mounted outdoors, it is recommended that the unit be protected from the sun.
- Also available as a strobe/strobe combo



Model	Output	Tones	Voltage	Current	Light Source	Lens Colours	Protection
COMBO 1 Eagle Sounder	102dB	32	DC9-28V AC110-230V	0.016A	Xenon	- Red - Amber - Blue - Green	IP65
AX35			DC12V DC24V AC110V AC220V	0.15A 0.06A 0.028A 0.014A			

COMBO 2



S - Normally Stock
L - Limited Stock
O - Ex Order

The Audio-Visual Unit is a dual or triple base assembly which can be fitted with any combination of Fulleons bayonet base compatible products. Sounder, voice sounders Xenon or LED beacons can be combined to suit many applications from fire alarms to machine warnings.

- Sound output: 102dB(A) @ 1 metre
- Volume control: 0 to -20dB
- Supply: 9V-28Vdc
- Light output: >0.5Cd
- Flash rate: 60 per minute
- Environment: IP54 shallow base, IP65 deep base
- -10°C to +55°C
- Continuously rated
- Construction: ABS plastic body, polycarbonate lens
- Gland entry 20mm
- High efficiency
- Lock able base



Model	Output	Tones	Voltage	Current	Light Source	Lens Colours	Protection
COMBO 2 Eagle Sounder	102dB	32	DC9-28V AC110-230V	0.016A	Xenon	- Red - Amber - Blue - Green	IP65
Solex Beacon			DC10-60V AC110-230V	0.01A-0.08A			

ASSERTA MINI (SOUNDER BEACON)

S - Normally Stock
L - Limited Stock
O - Ex Order

**COMBO UNITS**

The most compact sounder in the Asserta Range, the Asserta Mini Sounder/Beacon (S/B) is a rugged unit with a high IP rating. Suitable for use in harsh environments, its low current consumption and optional integrated beacon adapt it well to either fire systems or use as a general signalling device in industrial applications. Where the Mini is used in secure applications there is an option to add a tamper switch so that any interference with the unit can signal an alarm to a security panel.

- 32 tones (user selectable)
- Wide operating voltages
- Integrated beacon
- 4 lens colours
- Ideal for all general signalling applications
- Adaptable to all types of installations
- Easy installation
- Material: ABS PC case / Polycarb Lens
- Colour Option: Red or Grey



Model	Output	Tones	Voltage	Current	Light Source	Lens Colours	Protection
ASSERTA MINI	105dB	32	DC9-60V	see below	Xenon	• Red • Amber • Clear • Blue	IP66
Current Sounder & Beacon: 0.198A@DC24V 0.068A - 0.08A@AC230V							

ASSERTA MIDI (SOUNDER BEACON)

S - Normally Stock
L - Limited Stock
O - Ex Order



The Fulleon Asserta industrial warning sounder beacon is designed to cope with harsh environments requiring protection to IP66. Design features are incorporated to ensure safe and easy installation, while providing flexibility with fewer product variants.

- 24Vdc Operation, 110dB(A) or 120dB(A) output versions available
- Fully integrated asymmetric beacon uses light for efficiently
- Simple first & second fix installation
- 42 Alarm tones
- 3 Stage alarm sounder time out – user adjustable
- Optional swivel mount bracket
- Voice message option available
- Material: ABS PC case / Polycarb Lens
- Colour Option: Red or Grey



Model	Output	Tones	Voltage	Current	Light Source	Lens Colours	Protection
ASSERTA MIDI	112dB	32	DC9-60V AC115V	see below	Xenon	• Red • Amber • Clear • Blue	IP66
Current Sounder: 0.023A@DC24V Current Beacon: 0.02A@DC24V 0.012A@AC230V 0.03A@AC230V							

ASSERTA MAXI (SOUNDER BEACON)

S - Normally Stock
L - Limited Stock
O - Ex Order



The 120dB (A) Asserta Industrial warning sounder beacon is designed to cope with harsh environments requiring protection to IP66. Design features are incorporated to ensure safe and easy installation, while providing flexibility with fewer product variants.

- Powerful 120dB(A) output
- 3 stage alarm and time out function
- 42 alarm tones
- Asymmetric beacon
- Maximum sound output for high noise environments
- 3 levels of alarm for differing warning states
- Large range of tone options
- Efficient use of light reduces current while generating the same intensity as a 5j beacon



Model	Output	Tones	Voltage	Current	Light Source	Lens Colours	Protection
ASSERTA MAXI	110dB 120dB	42	DC18-30V AC230V	see below	Xenon	• Red • Amber • Blue	IP66
Current Sounder: 0.105A@DC24V Current Beacon: 0.012A@DC24V - 0.45A@DC24V 0.62A@DC24V 0.04A@AC230V (dependant on setting) 0.065A@AC230V 0.015A@AC230V							

QAD...



S - Normally Stock
L - Limited Stock
O - Ex Order

Qlight

COMBO UNITS



- Combination of warning light and horn allow for both visual and audible signal transmission at once
- Flashing rate : 60-80 flashes/min(Built-in Steady-Flash selection switch)
- Appropriate sound tones can be chosen depending on the various working environment among various available sound tones.
- Sound tone selector and volume controller in front of the device allows for convenient use
- Built-in 30 sound tones, Support Binary and Bit input modes
- Bit input mode consists of 5 sound types with 6 groups. Choose one of the groups to play sounds
- Materials: Lens - PC, Housing - ABS
- Ambient operating temperature : -30°C to +50°C
- Certificates: CE, UL Compliant

Model	Output	Tones	Voltage	Current	Light Source	Lens Colours	Protection
QAD80H Ø80	100dB	30 Built in Sounds	DC12-24V	0.640A	LED Steady/Flashing	- Red - Amber - Green - Blue	IP65
QAD80BZ Ø80	105dB	High Buzzer	DC12V DC24V	0.500A 0.270A	LED Steady/Flashing	- Red - Amber - Green - Blue	IP65
Model	Output	Tones	Voltage	Current	Light Source	Lens Colours	Protection
QAD100H Ø100	100dB 95dB	30 Built in Sounds 30 Mp3 Sounds	DC12V-24V AC110V-220V	1.055A 0.360A	LED Steady/Flashing	- Red - Amber - Green - Blue	IP65
QAD100BZ Ø100	105dB	High Buzzer	DC12V DC24V AC110V-220V	0.550A 0.300A 0.100A	LED Steady/Flashing	- Red - Amber - Green - Blue	IP65
Model	Output	Tones	Voltage	Current	Light Source	Lens Colours	Protection
QAD125H Ø125	115dB	30 Built in Sounds 30 Mp3 Sounds	DC12-24V AC110V-220V	1.055A 0.360A	LED Steady/Flashing	- Red - Amber - Green - Blue	IP65
QAD125BZ Ø125	105dB	High Buzzer	DC12V DC24V AC110V-220V	0.550A 0.300A 0.100A	LED Steady/Flashing	- Red - Amber - Green - Blue	IP65



S60AD.



S - Normally Stock
L - Limited Stock
O - Ex Order

Qlight



- LED, Xenon or Bulb options
- Ø60mm warning light with high volume built-in buzzer in a vertical configuration
- Cone-shaped horn helps diffuse sound to generate clear and distinctive sound signals
- Suitable for applications that require downward audible signals in elevated locations
- Buzzer sound volume (Max. 100dB at 1m)
- Employs a special filament to prevent damage caused by possible voltage variations
- Selectable between steady and flashing mode
- Flashing rate : 60-80 flashes/min
- Materials : Lens-AS, Body-ABS
- Ambient operating temperature : -30°C to +50°C
- Certificates : CE Compliant

Model	Output	Tones	Voltage	Current	Light Source	Lens Colours	Protection
S60ADL Ø60	100dB	High Buzzer	DC12V DC24V AC110V AC220V	1.008A 0.556A 0.127A 0.064A	LED Steady/Flashing	- Red - Amber - Green - Blue	IP54
Model	Output	Tones	Voltage	Current	Light Source	Lens Colours	Protection
S60ADS Ø60	100dB	High Buzzer	DC12V DC24V AC110V AC220V	0.550A 0.266A 0.088A 0.044A	Xenon Steady/Flashing	- Red - Amber - Green - Blue	IP54
Model	Output	Tones	Voltage	Current	Light Source	Lens Colours	Protection
S60ADB Ø60	100dB	High Buzzer	DC12V DC24V AC110V AC220V	1.008A 0.556A 0.127A 0.064A	12V10W 24V10W 110V10W 220V10W Bulb	- Red - Amber - Green - Blue	IP54



SKTLM (CUBE SHAPED LED WARNING LIGHT WITH MAGNETS)

S - Normally Stock
L - Limited Stock
O - Ex Order

Qlight

COMBO UNITS / VEHICLE

SKTLBM (BUILT IN SIREN BUZZER)

- High brightness LED with special light filter structure provides clear signal light transmission even in outdoor environments with intense sunlight
- Excellent vibration and impact resistance with use of polycarbonate lens
- Lens with special coating material maintains transparency even when exposed to harsh environments where scratches, dust and direct sunlight is possible
- Water resistant, dust-proof, and weather resistant structure provides excellent durability under harsh environments such as rainstorms, frost, and intense heat
- Different lights from side to side improve efficiency of emergency signal transmission effect
- 4 strong magnets enable secure attachment to the desired place (SKTLBM)
- Convenient emergency signal sound control with built-in ON/OFF switch
- Sound volume : Max. 105dB at 1m
- Easy control of warning sound with built-in ON/OFF switch
- Materials : Lens, Housing-PC
- Ambient operating temperature : -30°C to +50°C
- Protection rating : Ip66



Model	Output	Tones	Voltage	Current	Light Source	Lens Colours	Protection
SKTLB Direct Mount	105dB	Siren Buzzer	DC12V DC24V	1.250A 0.705A	LED	• Red • Amber • Green • Blue • White	IP66
SKTLBM Magnetic Base	105dB	Siren Buzzer	DC12V DC24V	1.250A 0.705A	LED	• Red • Blue	IP66

SKTLB

QWCD35 (LED STROBE SIGNAL LIGHT AND ELECTRIC HORN COMBO)

S - Normally Stock
L - Limited Stock
O - Ex Order

QWCD50 (LED STROBE SIGNAL LIGHT AND ELECTRIC HORN COMBO)

S - Normally Stock
L - Limited Stock
O - Ex Order

COMBO UNITS



- By using the horn cover as a light globe, the size of the product has been reduced
- Easy device customization with built in sound selection function, volume adjustment function and an SDcard slot for user inputted tones
- 31 available tones that can be selected for a variety of environments
- The user can select their own tones by inputting the MP3 file directly into the SD card
- 31 pre-recorded tones available via binary input
- Suitable for use in environments that require a tight seal and superior dust protection
- Can be used in extreme environmental conditions such as the arctic where temperatures can reach -50°C
- Flashing rate : 60-80 flashes/min (steady/flashing mode selection available in built in switch)
- Materials : Horn-PC, Body-ABS
- Ambient operating temperature : -50°C to +60°C
- Protection Rating : IP66
- Certificates : CE Compliant, UL Listed
- Compliant with RoHS directive

QWCD series	
QWCD35	Built in standard sound
QWCD35SD	Mp3 (SD card)
QWCD50	Built -in standard sound Large output sound
QWCD50SD	SDcard(MP3) Large output sound

Model	Output	Tones	Voltage	Current	Light Source	Lens Colours	Protection
QWCD35 QWCD35SD	115dB 113dB	31 Built-in 30 MP3	DC12V-24V AC110V-220V	1.025A 0.360A	LED Strobe Type	• Red • Amber • Green • Blue	IP66
Model	Output	Tones	Voltage	Current	Light Source	Lens Colours	Protection
QWCD50 QWCD50SD	123dB 118dB	31 Built-in 30 MP3	DC12V DC24V AC110V-220V	2.025A 1.150A 0.600A	LED Strobe Type	• Red • Amber • Green • Blue	IP66



QWCD35 series



QWCD50 series

PLROB....



S - Normally Stock
L - Limited Stock
O - Ex Order



ENCAPSULATED WARNING LIGHTS



This range of encapsulated warning lights are constructed in a clear impact resistant poly-carbonate lens and is available in various brightnesses and colours. The printed circuit board holding the LED's and associated circuitry are encapsulated into the poly-carbonate lens with an epoxy resin. This makes the product moisture proof and highly reliable. These warning lights are available in the steady on state or with built in flashers. The termination for these units is available on the rear of the lens via two M3 brass screws, thus termination with ring lugs is ideal. The units can be supplied with a two entry back box or can be ordered separately.

Model number	Mode	Colour	Voltage
PLROBFD-U	Flashing	Std Diffused Red	DC24V;48V;110V or 500V DC220V special order only
PLROBFD-M		Super Diffused Red	
PLROBFC-M		Super Clear Red	
PLROBFEC-M		Extra Super Clear Red	
PLROBFC-G		Green	
PLROBFC-K		Super Clear Yellow	
PLROBFD-N		True Orange	
PLROB-D-U	Steady-On	Std Diffused Red	DC12V;24V;148V;110V or 220V
PLROB-D-M		Super Diffused Red	
PLROB-C-M		Super Clear Red	
PLROBE-C-M		Extra Super Clear Red	
PLROB-C-G		Green	
PLROB-C-T		True Green	
PLROB-C-K		Super Clear Yellow	
PLROB-C-B		Std Clear Blue	
PLROB-D-N		True Orange	



Standard LED Version



Surface Mount LED Version

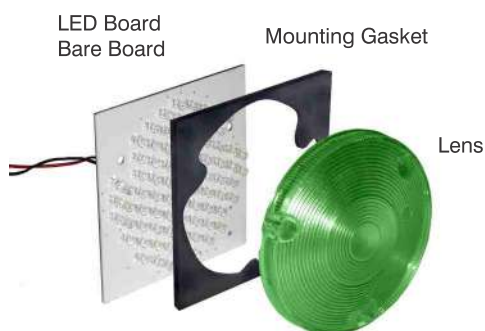
LE110....



S - Normally Stock
L - Limited Stock
O - Ex Order

- Cutout: Ø106mm
- Used mainly on mines for robots, refuge bays...
- Polycarbonate lens is vandal proof & the 76 LED's give a large bright light.
- Approximate lifespan of 15 Years
- High bright version's available on special order with the ability to position the LED's at at
- 45° angle for applications where the units are mounted high above normal eye level.
- Bare board or Rear back Epoxy potted version available.
- Colours: Red, green, yellow, orange, blue or bi-colour (Red & Green).
- Voltages: 12, 24, 32, 110, 220VAC/DC

Model number	Version	Colour	Voltage
LE110D-U	Bare Board	Std Diffused Red	AC/DC 12V;24V;32V; 110V or 220V
LE110D-M		Super Diffused Red	
LE110D-G		Water Clear Green	
LE110D-Y		STD Diffused Yellow	
LE110D-K		Super Yellow	
LE110D-N		True Orange	
LE110D-D		BI-Colour(Red & Green)	
LE110E-U	Epoxy Board	Std Diffused Red	
LE110E-M		Super Diffused Red	
LE110E-G		Water Clear Green	
LE110E-Y		STD Diffused Yellow	
LE110E-K		Super Yellow	
LE110E-N		True Orange	
LE110E-D		BI-Colour (Red& Green)	



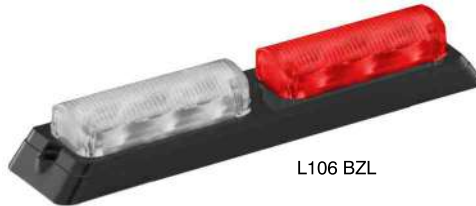
L103..(3 LED CLUSTER)**L104..(4 LED CLUSTER)**

S - Normally Stock
L - Limited Stock
O - Ex Order

ADDA**ENCAPSULATED WARNING LIGHTS**

- 3 or 4 Head LED Cluster Light
- High intensity, high power LED's
- Simultaneously flash multiple patterns
- Available for synchronization connection
- Water resistant and dust proof
- Operating Temperature: -10°C to 80°C
- Slave units use external flasher unit

- L106 BZL 6 Head Black bezel
- L108 BZL 8 Head Black bezel



L106 BZL



L103..



L104..

PLROB LED ROBOT BOX**LE110 LED ROBOT BOX**

S - Normally Stock
L - Limited Stock
O - Ex Order

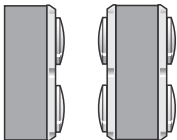
ADDA**ROBOT INDICATORS**

The enclosure dimensions may vary depending on what is available.

Please contact us with your robot indication requirements.

We are very flexible & have manufactured many different types of LED robot boxes.

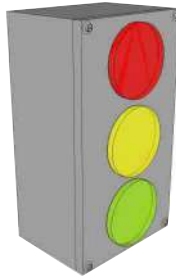
- For Underground & Indoor use
- 1, 2 or 3 way options Single or Double Sided
- Using PLROB or LE110 Warning Lights
- With or without Midi Peaks
- Colours: Red, Green or Bi-colour.
- Voltages: 24V, 32V, 110V, 220V AC/DC

Robot Box Options**Dual or Single Aspect**

- ROB-1L(1 Lense)
- ROB-1L-DA
(1 Lense Dual Aspect)

Dual or Single Aspect

- ROB-2L(2 Lenses)
- ROB-2L-DA
(2 Lenses Dual Aspect)

Dual or Single Aspect

- ROB-3L(3 Lenses)
- ROB-3L-DA
(3 Lenses Dual Aspect)

Assembly & Accessories

- PLROB Encapsulated warning lights - see pg 3.00



- LE110 Encapsulated warning lights - see pg 3.00



- Custom Enclosures to meet requirements (see below)



- Optional Midi Peaks



APOLLO PLASTIC MODULAR ROBOTS

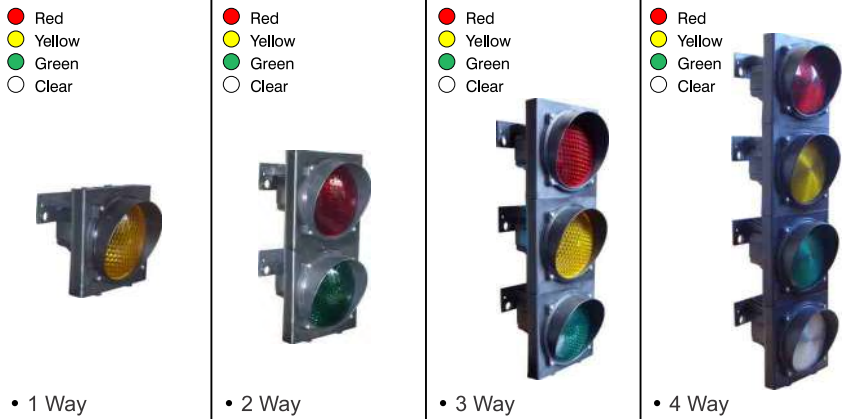


S - Normally Stock
L - Limited Stock
O - Ex Order

ROBOT INDICATORS

- Modular Assembly.
- Fibreglass reinforced Nylon (P.A.).
- Led Lamp 12 or 24V, 110 or 220V.
- 110-220V Filament.
- LED daylight visible + 50 000 hours life expectancy.
- All fixings are exterior to the lamp housing chambers.
- Wiring channel with knockouts.
- Cable gland supplied to maintain (IP65).
- 4 way, 3 way, 2 way or single unit options available.

Midi Mod Options



• 1 Way

• 2 Way

• 3 Way

• 4 Way

Assembly & Accessories



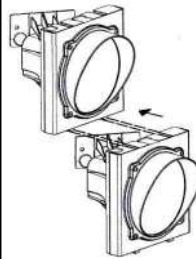
- All fixings are exterior to the lamp housing chambers



- Cable Gland supplied to maintain IP65



- Wiring channel with knockouts



- Modular Assembly



LENS FOR MIDI MOD

PART NO.:

RED LENS	:	MIDI LENS-R	Red
YELLOW LENS	:	MIDI LENS-Y	Yellow
GREEN LENS	:	MIDI LENS-G	Green
CLEAR LENS	:	MIDI LENS-C	Clear

DAYLIGHT VISIBLE LED BOARD

LED BOARD: MIDI LED MOD

VOLTAGE COLOUR

VOLTAGE	COLOUR
24B	R Red
110B	Y Yellow
230B	G Green
	C Clear

MIDI ROBOTS



S - Normally Stock
L - Limited Stock
O - Ex Order

This range of IP65 traffic lights in extruded, anodized and hot painted aluminium has been designed to control slow traffic. Ideal for residential hotels, blocks of flats, car parks, car washes, factories & mines etc. It can be oriented through an angle of about 200° with 3° clicks. The material used for the plastic parts is PA6 30% glass fibre. The standard unit has a 220v 70w long life filament lamp (8 000 Hours on average). It is also available on special order with extended long life led's (50k+ hours on average).

FILAMENT LAMP-220AC/DC(8 000 hours life expectancy)

ORDER No. MIDIF		-		-		-	
No. of lights	1	First Colour		Voltage	220	Polarity	
	2	R Red,				B AC/DC	
	3	G Green,				R Red,	
		Y Yellow				G Green,	
						Y Yellow	

LED LAMP-12, 24,48VDC & 110,220VAC(150 000 hours life expectancy)

ORDER No. MIDIL		-		-		-	
No. of lights	1	First Colour		Voltage	12	Polarity	
	2	M Super Red,			24	B AC/DC	
	3	G Std Green,			48	M Super Red,	
		T Super Green			110	G Std Green,	
		K Super Yellow			220	T Super Green	
						K Super Yellow	

1,2 or 3 way Light options
Vertical or Horizontal fixing



- Red
- Yellow
- Green



Using our pre-programmed Super Relay PLC these robots can be used for crossroad, intersection & single lane bi-directional applications where traffic control is extremely important.

QT50L (Ø50mm Modular Multi-Functional LED Tower Lights)

S - Normally Stock
L - Limited Stock
O - Ex Order

**SIGNAL TOWER LIGHTS****QT70L** (Ø70mm Modular Multi-Functional LED Tower Lights)

S - Normally Stock
L - Limited Stock
O - Ex Order

- QT series tower light is a multifunctional product that allows for significant customization to your specific needs using our special modular components such as the lens, buzzer, ethernet cord, USB cord and mounting brackets. Additional tools are not required for assembly
- All modular components can be arranged freely to the user desired position (upper/ lower) except for the dial tone lever.
- Buzzer modules position can be chosen freely. The buzzer module is designed to be compatible with the light modules by using a novel architecture developed by Qlight. Therefore, users can reposition the module to the location they desire.
- Can select from a variety of LED light functions, The LED indicator can provide varying signals/actions by using different independent light modules; flashing, strobe, rotating. For example, green would indicate normal operation, a red module would indicate risk which can be highlighted further by selecting a strobe flashing or rotating module.
- Select from 15 kinds of buzzer tones There are 4 audible modules available which includes one buzzer type module and 3 alarm modules. Each alarm module comes with 5 sound patterns that can be selected for your specific application environment. The Buzzer module is customizable with two options- the 2 tone buzzer and high volume buzzer.
- Product consist of LED modules, base module and pole module
- Can select from a variety of pole selections to fit your application needs
- Material : Lens-PC, Housing-ABS, Pole-Al
- Ambient operating temperature : -30°C to +50°C
- Protection rating : Ip65

**LED MODULE** (Multi-functional Module)

- 4 kinds of LED modules; Steady, steady/flashing, strobe, revolving flashing
- Good visibility with high brightness.
- Module position can be chosen based on signal importance.

**LED Steady Module**

- Output LED Steady signal
- High brightness LED
- Voltage : DC12V, DC24V, AC110V, AC220V

**LED Steady/Flashing Module**

- Output LED Steady/Flashing signal
- High brightness LED
- Voltage : DC12V, DC24V, AC110V, AC220V

**LED Strobe Module**

- LED flashing light
- Excellent notice compare to flashing type
- Voltage : DC12V, DC24V

**LED Revolving Flashing Module**

- LED light revolve and flash
- Dynamic Signal
- Voltage : DC12V, DC24V

BUZZER MODULE

- Buzzer module has Siren and Bip sound, Bip sound is adjustable.
- Buzzer module position can be chosen freely and has a good air tight seal.
- Sound adjustable by lever on module side
- Buzzer module position can be chosen freely

**Bip Sound Buzzer Module**

- Bip sound (Pi-Pi) volume : Max 90dB
- Sound adjustable
- Voltage : DC12V, DC24V, AC110V, AC220V

**Siren Sound Buzzer Module**

- Siren buzzer volume : Max 90dB
- Sound fixed
- Voltage : DC12V, DC24V, AC110V, AC220V

MOUNTING BRACKETS (Pole Mounting)

Standard

LB18 / LB24

LW18 / LW24

QZ18 / QZ24

SZ18 / SZ24

QL18 / QL24

SL18 / SL24

QLA18 / QLA24



Steel



Steel



PC



PC



AI



PC



AI



PC

MFL60 / MFL80 (Ø60mm / Ø80mm)**MFL100 / MFL125** (Ø100mm / Ø125mm)

S - Normally Stock
L - Limited Stock
O - Ex Order

S - Normally Stock
L - Limited Stock
O - Ex Order

Qlight

MULTI FUNCTION LED SIGNAL LIGHTS



- Product has multi functions of LED Steady/ Flashing, strobe, and simulated revolving.
- Operating options with switches inside product or external connect.
- Shock and vibration-resistant, maintenance reduced with long-lasting energy-efficient LED light bulb.
- Built-in buzzer available (Volume: Max 80dB at 1m).
- Flashing type (LF) flashing rates: 60-80 flashes/min.
- Strobe type (LS) flashing rates: 70-80 flashes/min.
- Simulated revolving type (LR) flashing rates: 120-140 flashes/min.
- Materials: Lens-PC, housing-ABS, Mounting bracket-PC.
- Ambient operating temperature: -30°C to +50°C.

• LED Steady/
Flashing

• LED Strobe

• LED Simulated
Revolving

MFL60



MFL100



MFL80



MFL125

Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
MFL60 - Ø60	Built in Buzzer available 80dB	DC12V-24V AC110V-220V	0.140A 0.045A	LED	• Red • Amber • Green • Blue	IP66
MFL80 - Ø80			0.190A 0.052A			
MFL100 - Ø100			0.255A 0.067A			
MFL125 - Ø125			0.255A 0.067A			

Q60L / Q80L (Ø60mm / Ø80mm)**Q100L / Q125L** (Ø100mm / Ø125mm)

S - Normally Stock
L - Limited Stock
O - Ex Order

S - Normally Stock
L - Limited Stock
O - Ex Order

LED STEADY/FLASHING SIGNAL LIGHTS



- L series - Direct mount type with the three bolts/screws located on the bottom of the product.
- LP series - Pole mount type / various mounting options are available
- Shock and vibration-resistant, maintenance reduced with long-lasting energy efficient LED light bulbs.
- Materials : Lens-PC, Housing-ABS.
- Features high visibility with special diffusive lens and direct LED light distribution system.
- Built-in switch for selection between steady and flashing light mode.
- Flashing rate : 60-80 flashes/min.
- Ambient operating temperature : -30°C to +50°C.
- Protection rating : Ip65.
- Certificates : CE Compliant, UL Listed
- Compliant with RoHS directive



Q60L



Q100L



Q60LP



Q125LP

Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
Q60L - Ø60	Built in Buzzer available 80dB	DC12V-24V AC110V-220V	0.140A 0.045A	LED	• Red • Amber • Green • Blue	IP65
Q80L - Ø80			0.190A 0.052A			
Q100L - Ø100			0.255A 0.067A			
Q125L - Ø125			0.255A 0.067A			

MOUNTING BRACKETS (Pole Mounting)

- For Q60LP & Q80LP Models only use ..18 series of accessories.
- For Q100LP & Q125LP Models only use ..24 series of accessories.

Screw & Nut

QZ18 / QZ24

SZ18 / SZ24

QL18 / QL24

SL18 / SL24

QLA18 / QLA24



Steel



PC



Al



PC



Al



PC

Quick release



S80..



S - Normally Stock
L - Limited Stock
O - Ex Order

Qlight

FILAMENT ROTATING LIGHTS



- Ø80mm bulb revolving warning light
- Adopts a special power transmission system that reduces noise and wear
- S80R/U Built-in buzzer available (Volume : Max. 90dB at 1m)
- S80RK / UK with circular mounting bracket
- Revolving speed : 120-140RPM
- Materials : Lens-AS, Housing-ABS, Reflector-Heat resistant ABS
- Ambient operating temperature : -20°C to +50°C
- High durability bulb
- Protection rating : IP44
- Certificates : CE Compliant

Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
S80R S80U	Built in Buzzer available 80dB	DC12V DC24V AC110V AC220V	0.484A 0.310A 0.080A 0.040A	Bulb 12V5W 24V5W 12V5W 12V5W	- Red - Amber - Green - Blue	IP44
Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
S80RK S80UK	Circular mounting bracket for convenient installation	DC12V DC24V AC110V AC220V	0.484A 0.310A 0.080A 0.040A	Bulb 12V5W 24V5W 12V5W 12V5W	- Red - Amber - Green - Blue	IP44



S80U



S80R



S80UK



S80RK

Customization

- Pole mount type

Standard	QZ18	SZ18	SL18	QLA18
Steel	PC	Al	Al	PC



S150....(Ø150mm Bulb Revolving Warning Lights)



S - Normally Stock
L - Limited Stock
O - Ex Order



- Ø150mm bulb revolving warning light
- S150R Models : Feature highly durable housing made of corrosion-proof stainless steel (STS)
- S150U Models: Feature special power transmission system which allows low noise and less wear
- S150U Models: Feature Built-in buzzer available (Volume : Max. 90dB at 1m)
- S150LR Models :Radiating LED Light of high brightness by using a special revolving reflector
Excellent omni-directional visibility with LED light collecting system and special multifaceted reflector - LR series
- Suitable for Long distance signal transmission by adopting high capacity bulb and large sized reflector
- Revolving speed : 120-140RPM
- Materials : Lens - PC, Housing - ABS or STS, Reflector - PC or Heat Resistant ABS, Mount Bracket - STS
- Ambient operating temperature : -20°C to +50°C
- Protection rating : Ip44

Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
S150/U/LR S150/U/LR-FT S150/R/LR S150/R/LR-FT	U-ABS housing R-STs housing LR-LED Reflector FT-Feet	DC12V DC24V AC110V AC220V	0.422A 0.266A 0.082A 0.041A	LED	- Red - Amber - Green - Blue	IP44
Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
S150/U S150/U-FT S150/R S150/R-FT	U-ABS housing R-STs housing FT-Feet	DC12V DC24V AC110V AC220V	1.155A 0.766A 0.204A 0.102A	BULB 12V15W 24V15W	- Red - Amber - Green - Blue	IP44



S150ULR



S150U-FT



S150LR



S150R-FT

S180U

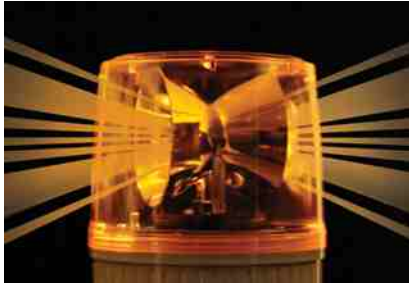


S - Normally Stock
L - Limited Stock
O - Ex Order

Qlight

FILAMENT ROTATING LIGHTS

- Excellent long distance signal transmission effect with 35W capacity bulb and dual reflectors
- A spare bulb is provided inside the product for quick replacement if provided
- Built-in buzzer available (Volume : Max. 90dB at 1m)
- Revolving speed : 120-140RPM
- Materials : Lens-AS, Housing-ABS, Reflector-PC
- Ambient operating temperature : -20°C to +50°C
- Protection rating : IP44



S180 type has strong flashing light characteristics with dual reflector.



S180U has a spare bulb inside the product for easy replacement if required.

Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
S180U	Spare Bulb Located Inside	DC12V DC24V AC110V AC220V	3.077A 1.544A 0.388A 0.194A	Bulb 12V35W 24V35W	- Red - Amber - Green - Blue	IP44



QLV (Warning Light Bars for Emergency Vehicle)

(Max 135dB) Exceptional build quality

- Compact and aerodynamic design minimizes air resistance in high speed vehicles
- Features high intensity LED strobe modules
- Amplifier includes built-in one-touch switch for selection between signal sound and warning light
- 100W high volume speaker with clear warning sounds
- Flashing rate : 60-80 flashes/min
- Protection rating : Ip56
- Ambient operating temperature : -30°C to +50°C
- 100W high volume speaker with clear warning sounds
- Available in customized color arrangements



Model	Output	Voltage	Current	Light Source	Lens Colours	Protection
QLV-885-set QLV-1150-set QLV-1250-set	135dB	DC12V	23A 26A 28A	LED Module	- B-R - R-R - A-A - G-G	IP56



SKTL (Cubic LED Warning Light for vehicle)



S - Normally Stock
L - Limited Stock
O - Ex Order

- High brightness LED with special light filter structure provides clear signal light transmission even in outdoor environments with intense sunlight
- Excellent vibration and impact resistance with use of polycarbonate lens
- Lens with special coating material maintains transparency even when exposed to harsh environments where scratches, dust and direct sunlight is possible
- Water resistant, dustproof, and weather resistant structure provides excellent durability under harsh environments such as rainstorms, frost, and intense heat
- Flashing rate : 60-80 flashes/min
- Materials : Lens, Housing-PC
- Ambient operating temperature : -30°C to +50°C
- Protection rating : Ip66

Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
SKTL	Cube-shaped LED Warning Light Direct Mount	DC12V DC24V	1.000A 0.555A	LED	- Red - Amber - Green - Blue - White	IP66



Also available SKTLB with built in buzzer



QMCL... (Multi-Colour LED Steady/Flashing Signal Light)

S - Normally Stock
L - Limited Stock
O - Ex Order

**MULTICOLORED LED SIGNAL LIGHTS**

QMCL series signal lights have a milky translucent hue when turned on. These signal lights provide a comfortable and stable viewing condition for workers in close proximity.

- Ø60, Ø80, Ø100 or Ø125
- Helps reduce the costs of installation by reducing the space needed to emit seven color signals in a single warning light.
- Milky translucent color when off, the soft LED illuminates designated colors when on.
- Built-in buzzer available (Volume : Max. 80dB at 1m).
- Materials : Lens-AS, Body-ABS.
- Ambient operating temperature : -30°C to +50°C.
- Protection rating : IP65.
- Colours: Red, Amber, Cyan, Green, Blue, Purple, White.



QMCL60



QMCL125



QMCL80

Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
QMCL60-Ø60	Emits a cozy and comfortable hue	DC12V	0.120A	LED Steady	7 Colour options	IP65
QMCL80-Ø80		DC24V	0.060A			
QMCL100-Ø100		DC12V	0.240A			
QMCL125-Ø125		DC24V	0.120A			

SMCL... (Multi-Colour LED Steady/Flashing Signal Light)

S - Normally Stock
L - Limited Stock
O - Ex Order



- Ø80, Ø100 or Ø125
- Ideal for locations where space requirements need one warning light to convey multiple color signals.
- LED light distribution system with multi-tiered reflector provides uniformed light signals throughout the entire lens.
- Built-in buzzer available (Volume : Max. 90dB at 1m).
- Can select between steady/ flashing mode.
- Flashing rate : 60-80 flashes/min.
- Materials : Lens-AS, Body-ABS, Reflector-Heat resistant ABS.
- Ambient operating temperature : -30°C to +50°C.
- Protection rating : Ip44
- Certificates: CE Compliant
- Complaint with RoHS directive



SMCL100

SMCL80

SMCL125

Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
SMCL80-Ø80	Produces Two or Three multicolored LED signals	DC12V	0.234A	LED Steady/ Flashing	● Red ● Amber ● Green	IP44
SMCL100-Ø100		DC24V	0.132A			
		AC110V	0.066A			
		AC220V	0.033A			
SMCL125-Ø125		DC12V	0.387A			
		DC24V	0.212A			
		AC110V	0.093A			
		AC220V	0.046A			
		DC12V	0.410A			
	DC24V	0.227A				
	AC110V	0.104A				
	AC220V	0.052A				

**MOUNTING BRACKETS** (Wall Mounting)

- Wall mounting bracket options: Bracket structure allows for threading through the bracket hole or into the wall mount.

QMCL60/QMCL80

SMCL80

Wall Mount Bracket
TWS80Wall Mount Bracket
TWA80

QMCL100/QMCL125

SMC100/SMCL125

Wall Mount Bracket
SWP125Wall Mount Bracket
SWM125

S150US (Ø150mm Xenon Lamp Strobe Signal Light)

S - Normally Stock
L - Limited Stock
O - Ex Order

qlight

STROBE LIGHTS**S150US-FT** (Ø150mm Xenon Lamp Strobe Signal Light)

S - Normally Stock
L - Limited Stock
O - Ex Order

- Ø150mm Xenon Lamp Strobe Light
- Ø150mm LED Steady/Flashing Signal Light
- Improved visibility by employing special scattering Lens
- Built-in switch for selection between steady and flashing mode
- Built-in buzzer available (Volume : Max. 90dB at 1m)
- Ambient operating temperature : -30°C to +50°C
- Connector type lamp socket allows convenient lamp replacement
- Flashing rate : 60-80 flashes/min
- Materials : Lens - PC, Housing - ABS, Reflector - Heat resistant ABS
- Protection rating : Ip44

Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
S150UL	Improving Visibility by Employing Special Scattering Lens	DC12V	0.300A	LED Steady/Flashing Signal Light	● Red ● Amber ● Green ● Blue	IP44
S150UL-FT		DC24V	0.200A			
S150US		AC110V	0.060A	Xenon Lamp Strobe Signal Lights		
S150US-FT		AC220V	0.106A			



S150US-FT/S150UL-FT



S150US/S150UL

**S125MLR** (Ø125mm LED Revolving Warning Light)

S - Normally Stock
L - Limited Stock
O - Ex Order

- Ø125mm standard LED revolving warning light
- Three powerful magnets provide strong adhesion to the vehicle
- Power supply through cigarette lighter plug
- Excellent omni-directional visibility with LED light collecting system and special multifaceted reflector
- Shock and vibration-resistant from the vehicle with long-lasting LED light bulbs
- Built-in buzzer available (Volume : Max. 90dB at 1m)
- Revolving speed : 120-140RPM
- Materials : Lens - AS, Housing - ABS, Reflector - Heat resistant ABS
- Ambient operating temperature : -20°C to +50°C
- Protection rating : IP54

Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
S125MLR	LED Revolving Warning Lights for Vehicle	DC12V DC24V	0.422A 0.266A	LED Revolving Reflector	• Red • Amber • Green • Blue	IP54



S125MLR

**S80S** (Ø80mm Xenon Lamp Strobe Signal Lights)

- Ø80mm xenon lamp strobe signal lights
- High efficiency strobe light that offers excellent outdoor visibility and long-distance signal light luminance close to natural light
- Lamp connector fastening structure allows for convenient lamp replacement
- Flashing rate : 60-80 flashes/min
- Materials : Lens-AS, Housing-ABS,
- Ambient operating temperature : -30°C to +50°C
- Protection rating : Ip54

**Xenon lamp replacement instructions**

Convenient lamp replacement with connector lamp type. Lamp replacement is safe after the product is powered off for 30 mins.

Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
S80S	Replaceable Xenon Lamp	DC12V DC24V AC110V AC220V	0.433A 0.216A 0.076A 0.061A	Xenon Lamp	• Red • Amber • Green • Blue	IP54



S80S



EDISON EGG D200



S - Normally Stock
L - Limited Stock
O - Ex Order

STROBE LIGHTS

- 110V AC - 1W
- 220V AC - 1W
- Candlepower: 320 000
- Flashes per min: 60
- Weatherproof xenon strobe.
- Acrylic lens with ABS E27 base.
- Colours: Red, Green, Yellow, Blue or Clear.

Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
D200	Looks like a egg	AC110V AC220V	0.422A 0.266A	Xenon	• Red • Amber • Green • Blue • Clear	IP54



AX35B



S - Normally Stock
L - Limited Stock
O - Ex Order

- 12V DC - 150mA
- 24V DC - 60mA
- 110V AC - 28mA
- 220V AC - 14mA
- Candlepower: 100 000
- Flashes per min: 120
- Intensive weatherproof xenon strobe.
- Acrylic lens with ABS base. Base Mounted.
- Colours: Red, Green, Yellow, Blue & Clear.

Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
AX35B		DC12V DC24V AC110V AC220V	0.15A 0.06A 0.028A 0.014A	Xenon	• Red • Amber • Green • Blue • Clear	IP44



AXD-24BM-24 Strobe



S - Normally Stock
L - Limited Stock
O - Ex Order

AXD-24LM-24 LED



- Available in Single or Double Flash
- Hardwire: Permanent mount without plug
- Magnetic Base: with plug to suit standard automotive power outlet
- PC Board is epoxy potted to increase lifespan
- Polycarbonate UV stabilised lens
- Operating temperature: -20 to 85° C
- Interchangeable lenses
- Flash rate: 65-75 flashes per minute
- Pole Mount adapter available
- Magnetic Base lead length: 4m
- Hardwire: H95mm x D129mm
- Magnetic Base: H110mm x D129mm
- Current draw @ 12V: 0.25 Amps
- Available in Amber, Red, Green, Clear and Blue

- 12VDC
- Flashes per minute: 100
- Lens & base are polycarbonate
- Magnetic base
- Cigarette lighter plug
- Colours: Red, yellow, blue & clear

Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
S125MLR	LED Revolving Warning Lights for Vehicle	DC12V DC24V	0.422A 0.266A	LED Revolving Reflector	• Red • Amber • Green • Blue	IP54



STROBE



LED

AX26



S - Normally Stock
L - Limited Stock
O - Ex Order

STROBE LIGHTS

- 24V DC - 400mA
- 110V AC - 100mA
- 220V AC - 50 mA
- Candlepower: 900 000
- Flashes per min.: 120
- Acrylic lens with ABS base. Base Mounted.
- Super-intensive light for construction sites, signboards, outdoors etc...
- Colours: Red, Green, Yellow, Blue or Clear.

Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
Asserta Beacon		DC10-30V AC230V	0.25A 0.015A	Xenon	• Red • Amber • Blue • Clear	IP44



ASSERTA BEACON



S - Normally Stock
L - Limited Stock
O - Ex Order



The distinctive shape of this industrial beacon and its robust construction are combined with highly efficient control of the light output to give a performance normally associated with much more powerful units. Available with different voltage supply for added versatility.

- Xenon beacon matching the Asserta range of sounders
- IP66 protection
- Adjustable flash rate (24Vdc version)
- Asymmetric light output
- A robust beacon complementing the Asserta industrial products
- Suitable for external use
- Provides extra differentiation between alarm events
- Lens is designed to optimise light output for maximum visibility
- Operating Temp: -25°C to +70°C
- Material: ABS, PC
- Body Colour: Red
- Lens Colours: Red, Amber, Blue or Clear

Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
Asserta Beacon	Ergonomical design	DC10-30V AC230V	0.25A 0.015A	Xenon	• Red • Amber • Blue • Clear	IP66



SOLEX BEACON



S - Normally Stock
L - Limited Stock
O - Ex Order



Xenon Beacons are a cost effective compliment to audible alarms for use in areas of high ambient noise. The wide operating voltage and automatic synchronisation of the Solex make them a universal solution for all types of alarm and monitoring systems.

- 3 light output options
- 5 lens colour options
- 9V - 60V
- Tamper switch option (10cd)
- Performance to suit your application
- A colour to suit all events
- Wide operating voltage for maximum flexibility
- For use where security is an issue
- Operating Temp: -25°C to +70°C
- Material: ABS, PC Lens
- Body Colour: Red
- Lens Colours: Red, Amber, Blue, Green or Clear

Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
Solex Beacon	Deep or Shallow Base options	DC10-30V AC230V	0.25A 0.015A	Xenon	• Red • Amber • Green • Blue • Clear	Ip65



SUPER SOLO LED (SLF-...)**SOLO ECONOMY VERSION (SLFECO-...)****SOLO STROBE (SST-...)**

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ADDA**STROBE LIGHTS**

- Impact resistant lens & enclosure
- Suitable for outdoor use, supplied with Neoprene Gasket
- All versions available with the following base options:-
- ST=Standard
- GD=Gland
- GC=Gland & Cable
- Lens colours: Red, Yellow, Orange, Blue or Clear. (Green on special order).

SLF-....

- Voltages: 12, 24, 72, 115 or 230V AC/DC
- Low current consumption
- Shock and vibration resistant
- 15 Selectable flash-rate/Pattern combinations as well as steady on option.
- Life expectancy 150 000 hours @ 70% duty cycle.
- LED Colours: Red, Green, Amber, Blue or Clear.

SLFECO-....

- Voltages: 12, 24V DC or 110, 220V AC
- Low cost steady on LED beacon
- Ideal for domestic gate operation indicator
- LED Colours: Red, Green, Amber, Blue or Clear

SST-....

- Voltages: 115 or 230VAC $\pm$ 10%
- Flash rate: 72 flashes/minute
- Current consumption : 80mA@115VAC/40mA @ 230V AC
- Flash power : 4 Joules @ 115VAC/230V AC
- Long life expectancy > 1000 hours (70% duty cycle)
- Over-Voltage protection
- Micro processor controlled
- LED Colours: Red, Green, Amber, Blue or Clear.

**S180US / UHS (Xenon Strobe Signal Lights)**

- Excellent long distance visibility from flashing light of the high capacity xenon lamp
- Adopts a translucent lens which provides a luminous light and subdued signal
- Convenient lamp change adopts lamp connector type structure
- Built-in buzzer available (Volume : Max. 90dB at 1m)
- S180UHS ultra high intensity strobe light has 3 built in high intensity xenon lamps.
- Materials: Lens-ABS, Housing-ABS
- Flashing rate : 60-80 flashes/min (2 time consecutively flashing off or two in a row)
- Ambient operating temperature : -30°C to +50°
- Protection rating : IP44



Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
S180US	Luminous Lighting	DC12V DC24V AC110V AC220V	1.277A 0.655A 0.233A 0.186A	Xenon Lamp 280V-400V	- Red - Amber - Green - Blue	IP44
S180UHS	Hyper Brightness Luminous Lighting	DC12V DC24V AC110V AC220V	2.277A 1.055A 0.711A 0.422A	3x Xenon Lamps 280V-400V	- Red - Amber - Green - Blue	IP44

WALKING STANDING MAN



S - Normally Stock
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WSM-N-12D (12VDC neg.comm)

WSM-N-24D (24VDC neg.comm)

Red & Green LED Indication

APPLICATIONS:

- Access control

WSMFL (Facia left)

WSMFR (Facia right)

Facia's available in black or grey

Custom personalized graphics available upon request for specific Access control zones

Featuring new super bright surface mount LED's
Reduced current, Higher brightness



Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
WSM	Ergonomical design	DC10-30V AC230V	0.25A 0.015A	LED	• Red • Amber • Blue ○ Clear	IP66

HEX110 - 600A LED INDICATOR



S - Normally Stock
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These sealed LED indicator units are designed for harsh environment warning light usage. The electronics are internally encapsulated in an epoxy resin to protect against moisture and vibration damage. The whole unit is placed in a sealed enclosure to further prevent moisture ingress. All electronics are protected from voltage spike and are designed to work of a large range of voltages as would be expected on long cable lengths.

- Input Voltage range: 140 - 750VAC continuous
- Current Consumption: 21mA @ 600VAC
- Spike Protection: >800VAC for shorter than 2 seconds
- Light output (total): >60 000mcd @ 600VAC
- Wavelength: Typical 624nm
- Life Expectancy: >150 000 hours
- Single or Dual Aspect options

CR12:

Corrosion resistant plate

Model	Feature	Voltage	Current	Light Source	Lens Colours	Protection
HEX110	Dual or Single Sided	AC140V - AC750V	0.021A @ AC600V	LED	• Red • Amber • Blue ○ Clear	IP65



OSL1-ES-R



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SITE LITE BEACON

- UV stabilised power coated, international orange.
- SABS Inspection Authority No. S/S244.
- Thermal shock resistant glass lens.
- See Coled's (page over) for possible lamp replacements for these units.
- IP66.

The SITE LITE Beacon consists of a circular pressure diecast aluminium base with integral mounting bracket. A fresnel dome lens covers the light source and is held in place securely against a silicon rubber by means of a retaining ring hinged to the base on one side and fixed on the other side by a lockable, spring loaded latch. When latched, the fitting is IP66 (water and dustproof) as well as suitable for certain hazardous areas. The hinge has an articulated action which enables the unlatched dome to be lifted, moved sideways and swung away to clear the lamp in the base. The dome may then be allowed to hang down, suspended by the hinge alongside of the base, while servicing the lamp.

It comes standard with an E27 lamp holder.
Other lamp holder options are available.



Type A LED



S2SL/S1ES/BS-COM

Single SITE LITE Beacon supplied complete with die-cast aluminium enclosure and universal pole clamp.

- Max 100W lamp
- For use with Annunciator Box
- Code: S2SL/S1ES/BS-COM



S2SL/S2ES/BS-COM

Double SITE LITE Beacon supplied complete with die-cast aluminium enclosure and universal pole clamp.

- Max 100W lamp
- For use with Annunciator Box
- Code: S2SL/S2ES/BS-COM



S2SL/S1ES/U-R

Single SITE LITE Beacon supplied complete with a 20mm CCG cable box and universal pole clamp.

- Max 100W lamp
- Code: S2SL/S1ES/U-R



S2SL/S1ES/BS - BS304

The Stainless Steel single SITE LITE Beacon complete with a Cr12 or 304 stainless steel enclosure and universal pole clamp.

- For use with Annunciator Box
- Max 100W lamp
- Code: S2SL/S1ES/BS (3CR12 Stainless Steel)
- Code: S2SL/S1ES/BS304 (304 Stainless Steel)



COLED-E ES Type (E27)



S - Normally Stock
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ADDA

CONE LED

COLED-B BC Type (B22)

Voltage: 110V or 220VAC (other voltages available on special order)
Colour: Red or Green (other colours available on special order)
(Flashing or steady on).

This ultra bright lamp has been designed to meet the requirements of a low level warning light to the ICAO specification. It shines light in all directions (360°) at a 7.5° angle from the horizontal. It exceeds the 10 candela requirements. At 230VAC power dissipation is only 5W resistive & 8.6W reactive.



WARNING BEACON CONTROL UNIT

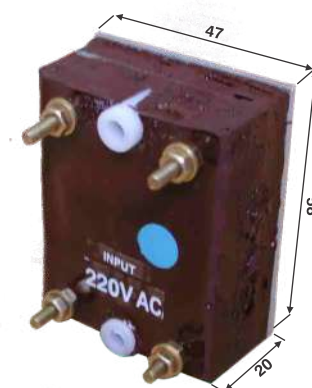
This unit is specifically designed for monitoring dual type warning beacons in critical situations where failure of a beacon needs to be monitored and standby beacon employed. The unit monitors the current flow into the primary beacon and when this exceeds or falls below a certain level the secondary beacon is lit and an alarm contact is closed. The unit offers a switch-on timer where both beacon lamps are illuminated for 20 seconds on startup to ensure correct functioning of both lamps during installation. The alarm contact also changes state on startup for checking of alarm circuits.



FLOBSTR (Encapsulated Lamp Flasher)

This product was designed specifically for mining applications where a flasher is required to flash an incandescent lamp for warning purposes. The flasher is a fully solid state device capable of switching up to 400W of resistive load. The flasher is encapsulated in an epoxy resin block to add reliability and easy mounting. The epoxy block has an aluminium heatsink on the bottom surface and should be mounted on a heat conductive surface if loads of larger than 200W is to be switched. Termination is via four M3 brass screws to facilitate the use of ring lugs.

- Large resistive load switching capability
- Zero crossing switching for prolonged bulb life
- Fully encapsulated
- Spike resistant
- Economical and simple to fit via two mounting holes
- 110 or 220V AC only
- Approximately 80 flashes per minute allowing very little cooling time of lamp filament and therefore prolonging bulb life.



DAYLIGHT SWITCH

Input voltage: 225VAC Nominal
Maximum load: 2kW resistive (tungsten filament)
750VA inductive (with ballast)
Duty cycle: 100%

It is recommended that the unit be protected from moisture by sealing the cover & screw holes with a silicone sealant. Test the unit by applying power & covering the sensor with the hand. The lamp/s should light after an approximate delay of a few seconds.

For heavier loads or inductive loads, ie those lamps requiring a ballast to operate, such as gas filled lamps, (mercury vapor, sodium, fluorescent, etc.) an external contactor may be used.



JOHANNESBURG



MIMIC COMPONENTS

ELECTRICAL & ELECTRONIC
WHOLESALE DISTRIBUTORS
SOUTHERN AFRICA

Address

5 Ramsay Street, Booysens,
2091 Johannesburg,
South Africa

P.O. Box 38493 Booysens,
2016 South Africa

Telephone

Switchboard: +27 (0)11- 689-5700
Fax: +27 (0)11- 493-8821

Email: sales@mimic.co.za

Website: www.mimic.co.za

CAPE TOWN



MIMIC CAPE

ELECTRICAL & ELECTRONIC
WHOLESALE DISTRIBUTORS
SOUTHERN AFRICA

Address

Unit 41A, Stella Park,
57 Stella Road, Montague Gardens,
Cape Town, 7441, South Africa

PO. Box 36955 Chempet,
7442 South Africa

Telephone

Switchboard: +27(0) 21-551-8185
Fax: +27(0) 21-551-8169

Email: anje@mimics.co.za

Website: www.mimic.co.za



MIMIC COMPONENTS sales@mimic.co.za www.mimic.co.za TEL: (011) 689-5700
5 Ramsay Street, Booysens 2091, Johannesburg Fax: (011) 493-8821
P.O. Box 38493, Booysens 2016, Johannesburg, South Africa



MIMIC CAPE anje@mimics.co.za www.mimic.co.za TEL: +27(0)21-551-8185 FAX: +27(0)21-551-8169
Unit 41A, Stella Park, 57 Stella Road, Montague Gardens, Cape Town 7441. PO Box 36955 Chempet 7442, South Africa