



AUDIO & VISUAL ALARMS

16

Ensure prompt and effective alerting with our comprehensive Audio & Visual Alarms. Designed for diverse industrial and commercial environments, our alarm systems provide clear, unmistakable signals for emergencies and operational alerts. With advanced technology and robust construction, our audio and visual alarms guarantee reliability and rapid response, enhancing safety and communication in any setting.

WIFI / BLUETOOTH BASED AUDIO

Wifi based audio allows for total control of your listening experience, within the whole house or room based zoning. You can create a customised audio environment tailored to suit your requirements. The system is controlled via your smartphone / smart device / Wifi enabled PC using the free app SmartSonix. Supported audio formats: AAC LC/LTP, HE-ACCv1, HE-ACCv2, AMR-NB, AMR-WB, FLAC, MP3, Vorbis, PCM/WAVE



WiFi Connectivity

Each speaker can act as WiFi access point and can be easily configured



Hi-Fi Sound

Link a passive speaker for stereo sound



Multi-Room System

Stream the same or different music to different zones



Mobile Music

Wirelessly play the music stored on mobile phone or tablet



Online Music

Search and listen to free music via the app.



Airplay Function

Choose Airplay function and play music without the app



Internet Radio

Pre-loaded with TuneIn free radio station app



DLNA Function



Multi-Room

Play the same audio in different rooms



Multi-Channel

Play audio in to a single or group speakers together



Multi-User

Control the audio by different users



WiFi Speaker



Code	Cone Woofer	Dome Tweeter	RMS Power	Impedance	Frequency Response	Size (mm) (Ø x H)	Cutout (mm)	Weight (kg)	WiFi
WSP-6	6.5"	0.75"	60W	8Ω	65Hz - 20kHz	225 x 98	210	1,7	802.11b/g/n

The **WSP-6** is a 2-way ceiling speaker that incorporates the latest class D amplifiers and WiFi technology with extreme high quality audio performance. The **WSP-6** can be used as a single source speaker or can be used in a Master / Slave configuration (for stereo L/R) by adding a passive speaker type **FLC-6**. Speakers supplied c/w magnetic grill. WiFi range ± 150m.

Bluetooth Speaker



Code	Cone Woofer	Dome Tweeter	RMS Power	Impedance	Frequency Response	Size (mm) (Ø x H)	Cutout (mm)	Weight (kg)	Bluetooth
FLC-6BT	6.5"	0.75"	60W	8Ω	65Hz - 20kHz	225 x 98	210	1,6	4,1

Similar in operation to the **WSP-6** the **FLC-6BT** is a 2-way ceiling speaker that offers Bluetooth streaming with high quality audio performance. The **FLC-6BT** can be used as a single source speaker or can be used in a Master/Slave configuration (for stereo L/R) by employing a passive speaker type **FLC-6**. Speakers supplied c/w magnetic face grill.

Passive Speaker



Code	Cone Woofer	Dome Tweeter	RMS Power	Impedance	Frequency Response	Size (mm) (Ø x H)	Cutout (mm)	Weight (kg)
FLC-6	6.5"	0.75"	60W	8Ω	60Hz - 20kHz	225 x 87	210	1,52

Use with **WSP-6** or **FLC-6BT** or as a standalone speaker

WIFI RECEIVER

Turn your existing speakers or home theatre system into a WiFi streaming system with excellent sound quality by simply plugging them into the **WSR-2** or WiFi audio stream from your smartphone/tablet/laptop/PC. Compatible with Android and iOS. (Download the free app "SmartSonix" from the app stores)



Wifi Receiver

Code	WSR-2
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- Wifi Connections, Airplay / DLNA / WiFi Direct (Miracast)
- Compatible streaming apps Spotify / Qplay / Deezer / Melon / TuneIn / etc.
- WiFi IEEE802.11b/g/n standard
- Synchronise and customise audio in multiple rooms.
- Multi-Channels play any tune to any single device or group devices
- Multiple users can control the audio source among different devices.
- Up to 12 speakers can be combined to same zone
- MP3 / WMA / AAC / AAC+ / ALAC / FLAC / APE / WAV formats
- Audio input connections 1 x 3.5mm Jack / 1 x RJ45
- Audio output connections 1 x 3.5mm Jack
- Power supply: 5VDC Micro USB
- Size(LxDxH): 116 x 95 x 22mm

SPEAKERS



Standard 2-Way Speaker - Ceiling Mount

Frameless design, magnetic grill, Butyl rubber surround for improved bass performance

Code	Cone Woofer	Dome Tweeter	RMS Power (W)	Impedance	Frequency Response	Size (mm) (Ø x H)	Cutout (mm)	Weight (kg)
FLC-5E	5.25"	0.5"	35	8Ω	75Hz - 20kHz	Ø204 x 77	177	0,9
FLC-6E	6.5"	0.5"	40	8Ω	65Hz - 20kHz	Ø227 x 87	210	1,5
FLC-8E	8"	0.5"	50	8Ω	60Hz - 20kHz	Ø284 x 97	257	1,5



2-Way Speaker for PVA Systems - Ceiling Mount

Knob style 70V Transformer (Settings 15, 10, 5, 2.5W)

Code	Cone Woofer	Dome Tweeter	RMS Power (W)	Impedance	Frequency Response	Size (mm) (Ø x H)	Cutout (mm)	Weight (kg)
FLC-5E-KT	5.25"	0.5"	35	8Ω	75Hz - 20kHz	Ø204 x 77	177	1,15
FLC-6E-KT	6.5"	0.5"	50	8Ω	65Hz - 20kHz	Ø227 x 87	210	1,4
FLC-8E-KT	8"	0.5"	60	8Ω	60Hz - 20kHz	Ø284 x 97	257	1,7



Hanging Pendant 2-Way Speaker

Knob Style 70V Transformer (Settings 32, 16, 8, 4, 2W) for PA Systems

No cutting, no holes, high ceilings no problem

Code	Cone Woofer	Dome Tweeter	RMS Power (W)	Impedance	Frequency Response	Size (mm) (Ø x H)	Weight (kg)
PS-6	6.5"	0.75"	80	8Ω	45Hz - 20kHz	Ø308 x 365	4,3



Outdoor 2-Way Wall Speaker IP56

170° Swivel Aluminium Grill and Bracket for Longevity

Code	Cone Woofer	Dome Tweeter	RMS Power (W)	Impedance	Frequency Response	Size (mm) (W x D x H)	Weight (kg)
OWM-5E	5.25"	1"	60	8Ω	60Hz - 20kHz	190 x 256 x 225	2,5



Indoor 2-Way Wall Speaker

180° Swivel adjustment, Direct sound where you want it

Code	Cone Woofer	Dome Tweeter	RMS Power (W)	Impedance	Frequency Response	Size (mm) (W x D x H)	Weight (kg)
HYC-4	4"	0.5"	20	8Ω	90Hz - 18kHz	150 x 130 x 245	3,6
HYC-5	5.25"	0.5"	30	8Ω	75Hz - 18kHz	170 x 155 x 250	4,2
HYC-6	6.5"	1"	40	8Ω	70Hz - 20kHz	205 x 195 x 305	6,8

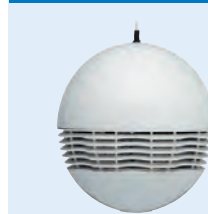


Garden Speaker 360° Sound IP56

Weather resistant ideal for Garden, Porch, Patio, Poolside.

Code	Cone Woofer	Dome Tweeter	RMS Power (W)	Impedance	Frequency Response	Size (mm) (Ø x H)	Weight (kg)
OGS-6	6.5"	1"	65	8Ω	55Hz - 20kHz	365 x 409	5

SPHERE CEILING SPEAKERS



White Plastic Sphere Ceiling Speakers

Code	Description	Watts RMS	Ohms	Input Line	Watts Adjustable
SPH-20	with 3m cable	20	8Ω	100V	2.5, 5, 10, 20
SPH-20WMT-W	with wall mount bracket	20	8Ω	70/100V	2.5, 5, 10, 20

These robust, yet elegantly attractive speakers are designed to give high quality sound reproduction and can be used in airports, churches, small theatres and other places of entertainment.

MEGAPHONE LOUDSPEAKERS

Megaphones



Code	Description	Watts RMS	Effective Distance	Power Source	Power Duration
GT-1225	Hand Grip / Shoulder Type	20	600m	10 x UM-2 (C) Dry Cell Batteries	± 7hrs
GT-125S	Hand Grip Type with Siren	20	600m	10 x UM-2 (C) Dry Cell Batteries	± 7hrs

LOUDSPEAKERS

Horn Speakers



Code	Description	Watts RMS	Imp.	Input Line	Watts Adj.
KPH-200T-8	White ABS Horn Speaker	15W	8 OHM	–	–
KPH-210R	White ABS Horn Speaker	15W	8 OHM	–	–
PH-58	White ABS Horn Speaker	40W	8 OHM	–	–
PH-711	White ABS Horn Speaker	30W	8 OHM	–	–

Ceiling Speakers



Code	Description	Watts RMS	Imp.	Input Line	Watts Adj.
WS-631T	White Wall Flush/Ceiling Speaker with built-in Line Transformer 230Ø x 74mm	10W	5K, 2.5K 1667OHM	100V	2, 4, 6W
YX5-44T	White Ceiling Speaker, Max 10W 70-12KHz I Ø 245mm x 110mm	8W	8OHM	100V	-

Wall-Mount Speakers



Code	Description	Watts RMS	Imp.	Input Line	Watts Adj.
CS-667WT	White Wall Surface/Ceiling mount speaker with built-in line transformer 240 x 240 x 115mm	6W	5k, 2.5k, 1667OHM	100V	2, 4, 6W
G165-3	Wall Mount Box Speaker 275H x 200W x 105Dmm	3W	8 OHM	100V	5, 10, 20W
G165-9	Wall Mount Speaker max 10W	10W	8 OHM	100V	70-12KHz

PA Amplifiers



Code	Description	Watts RMS	Power Supply	Output
BAP-120	8A PA Booster Amplifier (19" Rack/Desktop Mounting)	120W	115/230VAC 50/60Hz, 24VDC	100V, 70V, 8Ω
BAP-240	15A PA Booster Amplifier (19" Rack/Desktop Mounting)	240W	115/230VAC 50/60Hz, 24VDC	100V, 70V, 8Ω
MIP-60E	4A PA Multi-zones Amplifier (19" Rack/Desktop Mounting)	60W	115/230VAC 50/60Hz, 24VDC	100V, 70V, 8Ω
MIP-120E	8A PA Multi-zones Amplifier (19" Rack/Desktop Mounting) 5 Channel + Master	120W	115/230VAC 50/60Hz, 24VDC	100V, 70V, 8Ω
DV-45PA	PA Amplifier 2 Mic + 1 Aux Input	30W	220VAC/12VDC	4, 8, 16 OHM (Without 100V)
DV-80PA	PA Amplifier 3 Mic + 2 Aux Input	60W	220VAC/1A 12VDC/10A	100V/4, 8, 16 OHM
DV-120PA	PA Amplifier 3 Mic + 2 Aux Input	120W	220VAC/1.5A 12VDC/10A	100V/4, 8, 16 OHM

MICROPHONES & ACCESSORIES



Wall Mount Autoformer Volume Control

Code	Watts RMS	Power	Specifications
VC-5093P	6	100V	• Designed for Emergency announcements or paging
VC-5096P	35	100V	• Mounting depth: 44mm • Works with 4 or 8 OHM Speakers • Material: Plastic front panel with plastic knob

VC-5093P / VC-5096P

Communication Microphone

Code	CM-361VC
Polar Pattern	Uni-Directional
Frequency Response	100-10,000Hz
Impedance	600+30%
Sensitivity	-69dB+3dB
Cord Length	1.8m



With Volume Control

Audio Transformers

Code	Volts (V)	Power Rating	Impedance (Ω)
AUT100/5	100	5-2.5-1.25W	2K-4K-8K
AUT100/12	100	10-5-2.5W	1K-2K-4K

• Wide frequency response and low insertion loss

T1



Professional 2-Way Speaker System

Code	PRO-200AMP
Drivers	15" Woofer + 25mm Horn Tweeter
Frequency Range	40-20,000Hz
Power Supply	100-240VAC
Power Output	200W
Includes	MP3, FM, SD Card Input



Microphone Table Top Stand

Code	MD-13
• Height extends from 41 to 54cm • 5/8" x 27 thread • Iron cast base • Weight: 0.83kg	



Microphone Clip

Code	MC0004
Plastic tiltable head Fixed with screw head for microphone stand.	

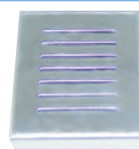
Teller Main Control Unit

Code	MBI-05H (Pair with MBI-03)	Code	MBI-10 (Pair with MBI-11)
 Built-in headset and mute functions	Features • Built-in mute function and headset function • Priority conversation • Hands-free communication • Stainless Steel Casing • Volume control for teller & customer • Power Source: DC 12V • Dimensions: 155(W) x 43(H) x 130(D)mm	 	Features • Full manual control • Compact & slim design • Stainless Steel Casing • Built-in Aux output for P.A System • Volume control for teller & customer • Power Source: DC 12V • Power light indicator • OFF and TALK switch • Dimensions: 75(W) x 40(H) x 96(D)mm
	Specifications for MBI-05H & MBI-10 • Power: DC12V 230mA • Type: Condenser Mic • MIC Hz: 100 - 16 000Hz • Sensitive: -40 ± 2dB		Spare Control Box
			<table><tr><th>Code</th><th>MBI-10CBOX</th></tr></table>
Code	MBI-10CBOX		

Accessories - Customer Units / Speakers



Code	MBI-03 (Pair with MBI-05H)
3.5mm Stereo Phone Jack to suit MBI-05H	



Code	MBI-11 (Pair with MBI-10)
3.5mm Stereo Phone Jack to suit MBI-10	

DIGITAL UHF WIRELESS MICROPHONE

Dual Channel, True Diversity Wireless Microphone

- 32 channel with LCD display



Code	EW92KIT
Mode	Digital diversity
Sensitivity	<5dB @ S/N ≥ 110dB
Frequency	450-900MHz
Power	90~260VAC/DC 15V @ 400mA
Antenna	Receiver x 2
Display	LCD
Distance	100-180m

Kit Includes: UHF Dual Receiver,
2 x Antennas, 2 x Transmitter Microphones,
1 x AC Adaptor



Spare Microphone

Code	W101
RF Power Output	< 30mW
Volume Control	0~15 steps
Transmitting	Autoscan - PLL synthesized
Battery	9V
Duration	8hrs (continuous)
Modulation	±25KHz

SMOKE / GAS / HEAT DETECTORS

	Resettable Multi Purpose Smoke Detector	Resettable Multi Purpose Smoke & Heat Detector	Resettable Multi Purpose Smoke & Heat Detector	Resettable Fixed – Temp/Heat Detector 58°C	Photoelectric Smoke Detector (Independent Type)
	(Relay output)	(Relay output)	(Relay output/Buzzer)		Used in Boats, Caravans, Computer Rooms & Homes
					
Code – 2 Wire	AH-0311-2	AH-0315-2	–	AH-0310-2	AHSS-871
Code – 4 Wire	AH-0311-4 (Relay output)	AH-0315-4 (Relay output)	AH-0315-BPS	–	–
Rated Voltage	12-30VDC	12-30VDC	12VDC	12-30VDC	100-240VAC with 9V Battery or 9V Battery only (included)
Alarm Current	30mA	30mA	80mA	30mA	Output Buzzer 90dB
Standby Current	40µA	70µA	15mA	45µA	–
Relay Current	1C/O:0.8A@30VDC, 0.5A@250VAC			–	–
Temp. of Detection	–	58° C	58° C	58° C	–
Building Height	4m	4-20m	4m	4-20m	4m
Area Covered	150m ²	75m ²	150m ²	30m ²	75m ²
Material	Fire-Proof Material				
	 Accessories Detector Test Device c/w Gas Canister Replacement Gas Canister AH-TEST AH-CAN				
	Features • Applicable to testing of heat & smoke detectors. • Extension pole is very flexible, it is extendable from 1.44m to 5m. • With the movable function of test vessel, user can easily overcome the difficulty in reaching the detector during testing. • The enclosed ignitor is generated by gas, it's temperature is adjustable and used for heat detectors. • The smoke tester can spray about 500 times to test smoke detectors				

FIRE DETECTION SYSTEM

Small fire detection system set for limited areas (small shops, houses, etc).

IP20

Kit Includes:

2 x detectors, call point, siren with beacon + battery SY1270

State of the art analogue address fire detection control panel, suitable for medium and large installations (hotels, malls, factories, etc). IP30



BSR-5036/A



BSR-2143

olympia-electronics



BSR-6055/A
BSR-6060/A



BSR-8013/A
BSR-8019/A



BSR-2000



BSR-2142



BSR-5032
BSR-5032/WP



BSR-8018

Code	BS-1619 (kit)	BSR-2104
Description	Fire detection 2-zone	Analogue addressable fire detection 2 loops, 96-zone
Operating Voltage	220-240VAC/50-60Hz	220-240VAC/50-60Hz
Battery	12V/7Ah sealed SY1270	2 x 12V/7Ah sealed SY1270
Charging Circuit	13.8V/400mA	27.6V/600mA
Loop Circuit	–	24V/200mA
Siren Circuits	–	4 circuits 24V/500mA
Outputs	2 alarm relay output	Voltage (24V), 6 Relay, Fault, Alarm
Dimensions	325 x 240 x 80mm	480 x 410 x 154mm

Fire Alarm Devices/Accessories for BSR-2104

Code	Description	Code	Description
BSR-5036/A	Addressable fire detection call point	BSR-5032/WP	Waterproof fire alarm siren with beacon
BSR-6055/A	Addressable analogue optical smoke detector	BSR-2142	Thermal printer for BSR-2104
BSR-8013/A	Addressable conventional device driving unit	BSR-8018	Addressable input/output unit with AUX relay
BSR-8019/A	Addressable unit input with relay	BSR-6060/A	Heat of rise detector
BSR-5032	Addressable fire alarm with beacon	BSR-2000	Repeat panel
BSR-2143	Programming tool for BSR-6055/A	SY1270	Battery for panels 12V/7Ah

AUDIBLE & VISUAL ALARMS AND DETECTORS

LED Red Flasher	LED Flasher & Alarm	Strobe & Siren	Fire Horn/Strobe
12VDC 100mA 	12VDC 250mA  100dB	12VDC 250mA  100dB	24VDC 100mA  112dB
HC-901	HC-902	HPE-106A	IM-86

Bells – Red, 10 min duty cycle (not suitable for fire bells)

	Voltage	4" 100mm	6" 150mm	8" 200mm
 100mmØ	12VDC	BL101	B15012DC	B20012DC
 150mmØ 200mmØ	24VDC	BL102	B15024DC	B20024DC
	24VAC	BL105	B15024	B20024
	115VAC	BL103	B15110	B200110
	230VAC	BL104	B15230	B200230
	dB @3m	90	95	95

Fire Alarm Bells – Continuous rated

	Voltage	4" 100mm	6" 150mm	8" 200mm
 150mmØ 200mmØ	12VDC	HC-4012	HC-6012	HC-1012
 HC-BB*	24VDC	-	HC-6024	HC-1024
	24VAC	-	-	-
	115VAC	-	HC-6120	HC-1120
	230VAC	-	HC-6220	HC-1220
	dB @3m	90	96	96

*Weatherproof Box **IP65** for HC Bells only **HC-BB**

	Break Glass	Manual Call Point - Fire	Manual Call Point - Gas Release	Manual Call Point - Door Release
				
Code	FD03	AH-0217-R	AH-0217-Y	AH-0217-GR
Size (mm)	87 x 87 x 52	88 x 88 x 52	88 x 88 x 52	88 x 88 x 52
Spare Glass	FD03-GLASS	-	-	-

	Manual Call Point	Gas Detector	Household Gas Detector
			
Code	AH-9717	AHG-982-12B	LH-83
Size (mm)	140 x 45	120 x 70 x 35	120 x 70 x 40
	Power: 24VDC/30mA When button is pressed, the fire alarm signal is activated. Phone-jack and reset buttons behind cover.	Power Type: Control Panel, individual (110-230VAC adaptor) Alarm Sound: 85dB/m and above Sensitivity: 0.05-0.30% Detection type: natural gas & propane gas	Power: 230VAC 5W Alarm Mode: - flash & sound alarm - shut off gas valve - auto reset Sensitivity: 15% LEL Detection Type: Natural gas & LPG

ELECTRONIC SOUNDERS & BEACONS


ASKARI-S*

Compact Electronic Sounders

Code	Operating Voltage Range	Rated Voltage	Max Current (mA)	Min Sound (dB@1mt)	IP Rating	Tone
ASKARI-S*	9-28VDC	28VDC	18mA	97 max	IP21	32 Tone

* Add colour to code: ● **R** (Red) or ○ **W** (White)


SOLISTA R

SOLISTA MAXI-*

MAINS-PB-*

Eagle LED Beacons **IP33** 9-60VDC Size: Ø93 x 53(H)mm (83mm high with powered base)

Code	Description
SOLISTA-R	• 2 Output Settings: 0.5cd or 1cd • 0.5Hz or 1Hz Flash Rate • Ultra Low Current: 3mA/5mA
SOLISTA MAXI-*	• 3 Output Settings: 0.5/1/3cd (user selectable) • 3 Modes: Single / Double flash and continuous (user selectable) • Sequence or synchronised flashing • Low current (3-15mA)

Application



*Add colour to code: ● **R** (Red), ● **A** (Amber), ● **GN** (Green), ○ **W** (White)

MAINS-PB-*	Powered base to convert beacon for use with 110/230VAC (Red/White)
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*Add colour to code: ● **R** (Red), ○ **W** (White)


SQUASHNI-S

Squashni Sounder

Suitable for use as a fixing base for most fire detectors or as a stand-alone sounder.

Code	Operating Voltage	Rated Voltage	Max Current	Min Sound (dB@1mt)	IP rating	Tone
SQUASHNI-S	18-28VDC	24VDC	4-5mA	90db	IP21	8

Accessories

Code	Description
SQUASHNI-C	Top cap (pack of 5) To complete sounder if used alone

TOP CAP

FIRECAT

Firecat - Fire Sensor

Code	Description
FIRECAT	Multi function fire alarm sensor 10-16VDC, 0.5-14mA

Sensing options: Optical, Optical-heat, Heat rate rise, Heat fixed temp
Extremely versatile for use with 12VDC fire alarm systems. See page 336



Eagle Strobe Beacon 60 FPM **IP54** (**IP65** with deep base) Xenon Strobe

Dimensions: 93mm ø x 91(H)mm (121mm H with deep base)

Code	Colour	Volts	Features
FA260R	Red ●	9-60VDC	• Light output: 10cd
FA260A	Amber ●	9-60VDC	• Flash frequency: 1Hz
FA260G	Green ●	9-60VDC	• Current: 185-45mA (depending on voltage)
FA260C	Clear ○	9-60VDC	85mA @ 24VDC

Code	Description
MAINS-PB-*	Powered base to convert beacon for use with 110/230VAC

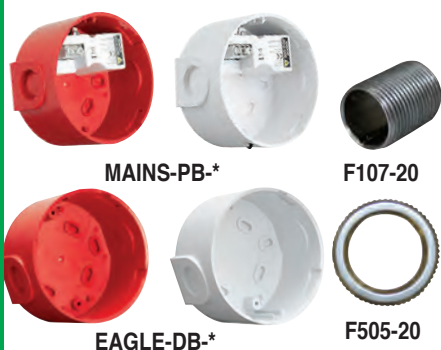
*Add colour to code: ● **R** (Red), ○ **W** (White)

Accessories for Assembly of Combinations **IP65**

Code	Description
MAINS-PB-*	Powered base to convert beacon for use with 110/230VAC
EAGLE-DB-*	Deep base
EAGLE-SB-*	Shallow base
F107-20	Nipple for connection of bases
F505-20/10	Locking rings for use with nipple (pack of 10)

* Add colour to code: ● **R** (Red) or ○ **W** (White).

Combinations of any **EAGLE** sounders or beacons can be assembled using deep or shallow powered bases and these accessories. Order one nipple & two locking rings for each connection.


MAINS-PB-*
F107-20
EAGLE-DB-*
F505-20

ELECTRONIC SOUNDERS & BEACONS



MICRO RED



MICRO WHITE

Code	Operating Voltage Range	Rated Voltage	Max Current at Rated Voltage (mA)	Min Sound at Rated Voltage (dB@1mt)	IP Rating	Tone
MICRO RED ●	9-30VDC	12/24VDC	9mA	95	IP42	28 Tone
MICRO WHITE ○	9-30VDC	12/24VDC	9mA	95	IP42	28 Tone

The MICRO has an ultra low current, ideal for use with the limited power available from loop driven systems Ø102mm

AS262



EAGLE S1W



EAGLE S1



EAGLE S2/3
EAGLE S1-D



EAGLE SB1 12VDC



EAGLE SB2



EAGLE SB1/ SB3/ SB4/ SB5

Buzzers and Electronic Sounders

Panel Mounting 30mm Ø • Adjustable Volume • 3-Wire control to select sweeping or steady tone

AS262 ●	9-28VDC	24VDC	18mA	102 max	IP65	2 Tone
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EAGLE Electronic Sounders

- Adjustable volume
- 32 Tones selectable – 5 DIP switches (only 2 tones for SB1)
- 3-wire control to select 2-tones

Shallow Base 93mm Ø x 63mm H (mainly used for fire alarms)

EAGLE S1 ●	9-28VDC	24VDC	18mA	106 max	IP54	32 Tone
EAGLE S1W ○	9-28VDC	24VDC	18mA	106 max	IP54	32 Tone

Deep Base 93mm Ø x 105mm H (for surface conduit entry)

EAGLE S1-D ●	18-28VDC	24VDC	18mA	116 max	IP65	32 Tone
EAGLE S2 ●	110-230VAC	230VAC	35mA	116 max	IP65	32 Tone
EAGLE S3 ●	110VDC	110VDC	30mA	116 max	IP65	32 Tone

Combination Electronic Sounder and Xenon Beacon (60FPM)

Deep Base 93mm Ø x 105mm H

EAGLE SB1 12VDC ●	9-15VDC	12VDC	111mA	111 max	IP65	32 Tone
EAGLE SB1 ●	18-28VDC	24VDC	90mA	116 max	IP65	32 Tone
EAGLE SB2 ●	110-230VAC	230VAC	60mA	101 max	IP65	32 Tone
EAGLE SB3 ●	110-230VAC	230VAC	68mA		IP65	32 Tone

Combination Electronic Sounder and Red LED Beacon (60FPM)

Deep Base 93mm Ø x 110mm H

EAGLE SB4 ●	9-30VDC	24VDC	19mA	101	IP44	2 Tone Beacon
EAGLE SB5 ●	110-230VAC	230VAC	19mA	101	IP65	32 Tone

Electronic Sounder - Size: 170mm x 170mm x155mm

ASSERTA S1 ●	18-30VDC	24VDC	40mA	120	IP66	42 Tone
ASSERTA S2 ●	110-230VAC	230VAC	70mA	120	IP66	42 Tone

Combination Electronic Sounder and Red XENON Beacon (60FPM)

Size: 168mm x 212mm x132mm

ASSERTA SB1 ●	18-30VDC	24VDC	650mA	120	IP66	42 Tone Beacon
ASSERTA SB2 ●	115-230VAC	230VAC	70mA	120	IP66	42 Tone Beacon
ASSERTA SB1-GO ●	9-28VAC	230VAC	70mA	120	IP66	42 Tone Beacon

Electronic Sounder - Size: 136mm x 136mm x132mm

MIDI S1 ●	6-60VDC	24VDC	43mA	110	IP66	32 Tone
MIDI S2 ●	115-230VAC	230VAC	22mA	110	IP66	32 Tone

Combination Electronic Sounder and Red XENON Beacon

Size: 165mm x 174mm x 132mm

MIDI SB1 ●	115VAC	115VAC	40mA	110	IP66	32 Tone
MIDI SB2 ●	230VAC	230VAC	35mA	110	IP66	32 Tone
MIDI SB3 ●	9-60VDC	24VDC	230mA	100	IP66	32 Tone

Symphoni Electronic Sounders

- Adjustable volume
- 2-tone selection by internal link for high output model

Size: Ø110mm x 95mm

SYMPHONI-L ●	12-30VDC	24VDC	5mA	100	IP21	3 Tone
SYMPHONI-H ●	9-28VDC	12/24VDC	240mA	120	IP42	32 Tone

Combination Electronic Sounder and LED Beacon

Size: 147mm x 106mm x 92mm

SYMPHONI-AV ●	9-28VDC	24VDC	30mA	100	IP21	6 Tone Beacon
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ASSERTA S1/S2



ASSERTA SB1/SB2



ASSERTA SB1-GO

NEW



MIDI S1/S2



MIDI SB1/SB2/SB3



SYMPHONI-AV



SYMPHONI-L/H

AUDIBLE & VISUAL ALARMS

Buzzers & Electronic Sounders



Code	Operating Voltage Range	Rated Voltage	Max Current at Rated Voltage (mA)	Min Sound at Rated Voltage (dB@30cm)	IP Rating	Tone
<i>Signal Devices Fitting 30mm hole</i>						
BSP-24VAC	21-26VAC	24VAC	22mA	80dB	IP55	Pulse
BSP-24VDC	4-29VDC	24VDC	22mA	80dB	IP55	Cont./Pulse
BSP-110AD	30-120VAC	110VAC	20mA	80dB	IP55	Pulse
BSP-220AD	60-250VAC	230VAC	10mA	80dB	IP55	Pulse
ABS-80	210-250VAC	230VAC	37mA	85dB	IP44	Buzzer
BF30 110VAC	100-120VAC	110VAC	37mA	85dB	IP44	Buzzer
BF30 230VAC	210-250VAC	230VAC	37mA	85dB	IP44	Buzzer
BANDIT-F1	10-30VDC	30VDC	25mA	105dB	IP55	Yodel
BANDIT-F2	110-220VAC	220VAC	20mA	105dB	IP55	Yodel
BANDIT-F3	24VAC	24VAC	40mA	105dB	IP55	Yodel
<i>Signal Devices Fitting 22.5mm hole Ø 45mm</i>						
WE109 24V	24VAC/DC	–	20mA	85-105dB	IP65	Cont/ Pulse
WE109 115V	115VAC	–	42mA	85-105dB	IP65	Cont/ Pulse
WE109 230V	230VAC	–	40mA	85-105dB	IP65	Cont/ Pulse
<i>Signal Devices Fitting 22.5mm hole</i>						
CT-BZ 12V	12VAC/DC	–	15mA	70dB	IP30	Buzzer
CT-BZ 24V	24VAC/DC	–	15mA	70dB	IP30	Buzzer
CT-BZ 230VAC	230VAC	–	15mA	70dB	IP30	Buzzer
CT-BZ-* 12V	12VAC/DC	–	20mA	70dB	IP30	LED/Buzzer
CT-BZ-* 24V	24VAC/DC	–	20mA	70dB	IP30	LED/Buzzer
CT-BZ-* 230VAC	230VAC	–	20mA	70dB	IP30	LED/Buzzer
Add colour to code: N ● (Red), A ● (Amber)						
<i>Signal Devices Fitting 30mm hole x 40 mm depth</i>						
CT-BZ30	24VAC/DC	–	16mA	70dB	IP30	Buzzer
CT-BZ30	230VAC/DC	–	16mA	70dB	IP30	Buzzer
CT-BZ30-N	24VAC/DC	–	16mA	70dB	IP30	LED/ Buzzer
CT-BZ30-N	230VAC/DC	–	16mA	70dB	IP30	LED/ Buzzer
<i>Signal Devices Fitting 28mm hole</i>						
WE118 24V	24VAC/DC	–	20mA	90dB	IP30	Cont
WE118 30-250VAC	30-250VAC	–	20mA	90dB	IP30	Cont
WE119 24V	24VAC/DC	–	20mA	90dB	IP30	Cont/Pulse
WE119 230VAC	230VAC	–	20mA	90dB	IP30	Cont/Pulse
<i>All Purpose Installation Buzzer (fixing M3 thread) W 54.5 x 35.5mm depth</i>						
WE382 12VDC	12VDC	–	150mA	90	IP30	Buzzer
WE382 24VDC	24VDC	–	70mA	90	IP30	Buzzer
WE382 115VAC	115VAC	–	15mA	90	IP30	Buzzer
WE382 230VAC	230VAC	–	15mA	90	IP30	Buzzer
B8S1120L	6-16VDC	12VDC	20mA	80	IP44	Buzzer
B3S3240L	1-28VDC	24VDC	20mA	100	IP44	Single
B3S120L	1-13VDC	12VDC	30mA	105	IP44	Single
B18R3120L	6-15VDC	12VDC	100mA	107	IP44	Siren
B18R3240L	16-28VDC	24VDC	100mA	107	IP44	Siren
B19R3120L	6-15VDC	12VDC	120mA	110	IP44	Siren
B19R3240L	16-28VDC	24VDC	120mA	110	IP44	Siren

AUDIBLE & VISUAL ALARMS

Hooter (Thermoplastic ABS Trumpet) High Power



Code	Voltage Range	Power Consumption	Min Sound at Rated Voltage (dB@1m)	Duty Cycle	IP Rating
HW36 12VAC	10-14VAC	5.3A	105dB	50%	IP45
HW36 24VAC	20-26VAC	2.7A	105dB	50%	IP45
HW36 48VAC	44-52VAC	1.7A	105dB	50%	IP45
HW36 110VAC	94-121VAC	0.5A	105dB	50%	IP45
HW36 230VAC	196-250VAC	0.3A	105dB	50%	IP45



Auer Signal



Mini Hooter – ABS Grey

KLH710 24VAC	24VAC	190mA	92dB	100%	IP43
KLH710 24VDC	24VDC	70mA	92dB	100%	IP43
KLH710 110VAC	110VAC	15mA	92dB	100%	IP43
KLH710 230VAC	230VAC	15mA	92dB	100%	IP43



Auer Signal



Marine Horn - very loud

HW571 24VDC	24VDC	600mA	108dB	100%	IP65
HW571 230VAC	230VAC	110mA	108dB	100%	IP65

Membrane galvanised and epoxy powder coated, screws A4 with isolation, and rubber washers for mounting avoiding galvanic corrosion, additional membrane sealing, aluminium-die cast epoxy-powder coated RAL 7000 / 7015 housing.



Auer Signal



Mini Horn

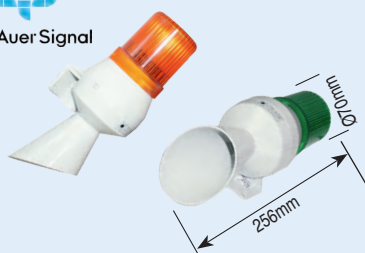
KDH710 12VDC	12VDC	120mA	92dB	100%	IP43
KDH710 24VDC	24VDC	60mA	92dB	100%	IP43
KDH710 110VAC	110VAC	20mA	92dB	100%	IP43
KDH710 230VAC	230VAC	15mA	92dB	100%	IP43

Mini Horn for Lifts

KDHL-6VDC	6VDC	65mA	83	100%	IP43
KDHL-12VDC	12VDC	33mA	83	100%	IP43



Auer Signal



Hooter and Xenon Strobe Combo – ABS Grey

KLF710-* 110VAC	94-120VAC	0.04A	92	100%	IP43
KLF710-* 230VAC	196-250VAC	0.025A	92	100%	IP43
KLF710-* 12VDC	10-14VDC	0.3A	92	100%	IP43
KLF710-* 24VDC	20-28VDC	0.17A	92	100%	IP43

*Add colour: ● R (Red), ● A (Amber), ● G (Green)

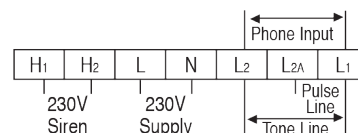
Note: Green 12VDC & 110VAC only on order ex-indent and based on MOQ.



Phone Ringer Module For Standard 2 Wire Analogue Phones Only

HW-SHTR001

Electronic module for external ringer using KLH710 230VAC hooter or any other electronic siren



BS-500



BS-505

Telephone Electronic Sounder For Standard 2 Wire Analogue Phones Only

Code	Type	Supply Voltage	Consumption	Dimensions	Sound Output@1m	IP Rating
BS-500	Sounder	230VAC	6W	92Ø x 98mm	80-105dB	IP20
BS-505	Sounder + Beacon	-	6W	205 x 100 x 57mm	80-105dB (Adj)	IP20

- Connected in parallel with the telephone
- No need for additional relays

- Adjustable volume control
- Supplied c/w mounting bracket

MOTOR DRIVEN SIRENS



BAN



MINIWATT/S



MINIWATT

MS-6-95



MS1-45



MS2-114



MS2-115

* In Still Air on Open Field

Code	Operating Voltage Range	Frequency (Hz)	Max Current at Rated Volts	Audible Range *	Min Sound at Rated Voltage (dB@1m)	Duty Cycle	IP Rating
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Economy Motor Driven Sirens

BAN-250 110V	110VAC	1400	0,8A	250m	100	15min	IP44
BAN-250 230V	230VAC	1400	0.4A	250m	100	15min	IP44

Motor Driven Sirens (ABS/ F.V, Nylon)

MINIWATT/S 12V	12VAC/DC	1000	0.83A	300-500m	98	15min	IP44
MINIWATT/S 24V	24VAC/DC	1000	0.41A	300-500m	98	15min	IP44
MINIWATT 115V	115VAC/DC	1500	0.30A	300-500m	103	15min	IP44
MINIWATT 230V	230VAC/DC	1500	0.45A	300-500m	103	15min	IP44
MS-6-95 12VDC	12VDC	1300	3.35A	500 -1000m	112	15min	IP44
MS-6-95 24V	24VAC/DC	1300	1.6A	500 -1000m	112	15min	IP44
MS-6-95 110V	110VAC/DC	1300	0.48A	500 -1000m	112	15min	IP44
MS-6-95 230V	230VAC/DC	1300	0.26A	500 -1000m	112	15min	IP44

Motor Driven Sirens (Die-cast Aluminium)

MS1-45 230V	230VAC/DC	1300	0.32	500m	112	15min	IP44
MS1-45 110V	115VAC/DC	1300	0.56	500m	112	15min	IP44
MS1-45 24V	24VAC/DC	1300	1.85	500m	112	15min	IP44
MS1-45 12VDC	12VDC	1300	3.75	500m	112	15min	IP44
MS2-114 230V	230VAC/DC	650	0.9	1000m	114	15min	IP44
MS2-114 110V	115VAC/DC	650	1.6	1000m	114	15min	IP44
MS2-114 24V	24VAC/DC	650	5.9	1000m	114	15min	IP44
MS2-114 12V	12VAC/DC	650	11.7	1000m	114	15min	IP44

For Marine Use (Die-cast aluminium)

MS2-114C 24V	24VAC/DC	650	5.9	1000m	114	15min	IP44
MS2-114C 12V	12VAC/DC	650	11.7	1000m	114	15min	IP44

With Cap for Outdoor Mounting (Die-cast aluminium with ABS base)

MS2-115 230V	230VAC/DC	650	0.9	1000m	114	15min	IP44
MS2-115 110V	115VAC/DC	650	1.6	1000m	114	15min	IP44
MS2-115 24V	24VAC/DC	650	5.9	1000m	114	15min	IP44
MS2-115 12V	12VAC/DC	650	11.7	1000m	114	15min	IP44

SIRENCO AIR HORNS



Blaster - A multi-purpose audible signal device, used for personal protection or sporting activities and as a back up alarm for industry, shopping centres and other public places. Supplied with 1 x gas canister.

Code	Noise	No. of Short Blasts	Canister Size	Weight	Spare Canister
BLASTER04	115Db	20	40ml	80g	SSSCN18
BLASTER02	115Db	50	100ml	160g	SSSCN20
BLASTER03	127Db	60	135ml	244g	SSSCN19
BLASTER01	127Db	120	300ml	444g	SSSCN21

Accessories

Code	Description
SSSCN22	Blaster wall mounting box with lid 290H x 150W x 130Dmm

Sirenco Air Horns IP44 Robust aluminium sirens with 100% duty cycle air operated motors. Designed to withstand harsh environments. Meets the warning needs of S.A. Transport, Marine and industrial applications where air pressure of 7bar or between 350-1000Kpa is available.

Code	Motor	Sound	Frequency	Range	Weight	Size (mm)
SSAH370	Air Driven	138dB at 1m	370Hz	3000m	2.8kg	330 x 205 x 180
SSAH660	Air Driven	138dB at 1m	660Hz	3000m	2.4kg	180 x 210 x 150



SSAH370



SSAH660

SIRENCO MANUAL & MOTOR DRIVEN SIRENS



Code	Type / Model	Operating Voltage Range	Frequency (Hz)	Max Current at Rated Volts	Audible Range *	Min Sound at Rated Voltage (dB@1m)	Duty Cycle	IP Rating
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Sirengo Hand Operated Sirens

H150	H150	–	500	–	1000m	112	100%	IP44
H200	H200	–	500	–	2000m	120	100%	IP44

H200 Two Tone Siren selectable

Plastic Housing Motor Driven Sirens

† Duty Cycle 5min On - 15min Off

500SA 12V	500SL	12VAC/DC	1400	10.6A	500m	107	†	IP45
500SA 24V	500SL	24VAC/DC	1400	7.5A	500m	107	†	IP45
500SA 115V	500SL	115VAC/DC	1400	1.0A	500m	107	†	IP45
500SA 230V	500SL	230VAC/DC	1400	0.7A	500m	107	†	IP45
1000SA 12V	1000SL	12VAC/DC	1400	10.6A	1000m	114	100%	IP45
1000SA 24V	1000SL	24VAC/DC	1400	7.5A	1000m	114	100%	IP45
1000SA 115V	1000SL	115VAC/DC	1400	1.0A	1000m	114	100%	IP45
1000SA 230V	1000SL	230VAC/DC	1400	0.7A	1000m	114	100%	IP45

Sirengo Long Range Motor Driven Sirens - Aluminium Housing

Duty Cycle Continuous

1500S 110V	1500S	110VAC/DC	660	2.2A	1500m	122	100%	IP65
1500S 230V	1500S	230VAC/DC	660	1.8A	1500m	122	100%	IP65
2000D 110V	2D	110VAC/DC	370/660	2.2A	2000m	121	100%	IP65
2000D 230V	2D	230VAC/DC	370/660	1.8A	2000m	121	100%	IP65
3000S 230V	3LF	230VAC	560	9.0A	3000m	125	100%	IP55
3000S 400V	3LF	400VAC	560	1.1kW	3000m	125	100%	IP55
3000S 525V	3LF	525VAC	560	1.1kW	3000m	125	100%	IP55
5000S 230V	5S	230VAC	560	2.2kW	5000m	130	100%	IP55
5000S 400V	5S	400VAC	560	2.2kW	5000m	130	100%	IP55
5000S 525V	5S	525VAC	560	2.2kW	5000m	130	100%	IP55
10000D 400V	10S	400VAC	560	4kW	10km	140	100%	IP55
10000D 525V	10S	525VAC	560	4kW	10km	140	100%	IP55
15000D 400V	15D	400VAC	480/560	7.5kW	15km	145	100%	IP55
15000D 525V	15D	525VAC	480/560	7.5kW	15km	145	100%	IP55

BANSHEE MOTOR DRIVEN SIRENS

Motor Driven Sirens - Aluminium Housing

Duty Cycle Continuous

Code	Type / Model	Operating Voltage Range	Freq. (Hz)	Max Current at Rated Volts	Audible Range	Min Sound at Rated Voltage (dB@1m)	Duty Cycle	IP Rating
MONOS* 12V	Mono S	12VAC/DC	950-1200	15A	1000m	123	100%	IP65
MONOS* 24V	Mono S	24VAC/DC	950-1200	10.6A	1000m	123	100%	IP65
MONOS* 110V	Mono S	110VAC/DC	950-1200	1.5A	1000m	123	100%	IP65
MONOS* 230V	Mono S	230VAC/DC	950-1200	0.8A	1000m	123	100%	IP65
DUPLOS* 110V	Duplo S	110VAC/DC	1600	1.5A	1500m	127	100%	IP65
DUPLOS* 230V	Duplo S	230VAC/DC	1600	0.8A	1500m	127	100%	IP65

* For combination with either Xenon tube or LED: Add /L for LED

Add colour of beacon: ● /R (Red), ● /A (Amber), ● /G (Green), ● /B (Blue)



MARINE ELECTRONIC SOUNDERS & BEACONS

Marine LED Beacons (60FPM) - Deep Base 93mm Ø x 83mm H



Code	Operating Voltage Range	Rated Voltage	Max Current at Rated Voltage (mA)	Min Sound at Rated Voltage (dB@1mt)	IP Rating	Tone
SOLISTA-MB1 ●	10-60VDC	24VDC	3-15mA	-	IP33	-

- 3 Output Settings: 0,5/1/3cd (user selectable)
- 3 Modes: Single / Double flash and continuous (user selectable)
- Sequence or synchronised flashing
- Low current (3-15mA)

VOICE SOUNDERS



SYMPHONI-AV-W

SYMPHONI-AV-R

Symphoni Voice Sounder & Beacon Combination

Code	Volts	IP Rating	Colour	Flash Colour
SYMPHONI-AV-R	12-28VDC	IP21C	Red	Red
SYMPHONI-AV-W	12-28VDC	IP21C	White	White

Symphoni Voice Weatherproof Sounder & Beacon Combination

Code	Volts	IP Rating	Colour	Flash Colour
SYMPHONI-AV-WP-R	12-28VDC	IP66	Red	Red
SYMPHONI-AV-WP-W	12-28VDC	IP66	White	White

- 15 - 30 mA Current consumption
- Sound Output 87-96dB
- Voice Message: 3 standard
- Flash Rate: 1Hz
- Tones: 7 user selectable + No tone option (Tone Dependent)

Symphoni Voice Sounder

Code	Volts	IP	Colour
SYMPHONI-VOICE-R	9-60VDC	IP21	Red
SYMPHONI-VOICE-W	9-60VDC	IP21	White
SYMPHONI-VOICE-WP-R	9-60VDC	IP66	Red

Features

- Low current consumption: 8mA max
- Tones: 7 user selectable + No tone option
- Voice Message: 3 Standard
- Sound Output 87-96dB - Tone dependant

Standard Message

- 1) In the interest of safety, please evacuate the building now
- 2) In the interest of safety, please evacuate the building now
- 3) Fire, fire, please leave the building! Fire, fire, please leave the building!

Alarm Pattern

Tone, pause, message, pause, tone, pause, message....

SYMPHONI-AV-WP-R

SYMPHONI-VOICE-W

HALF DOME 90 SIGNAL TOWER IP65

Visual-Audible LED signal towers in half-dome design. Slim design for optimal integration in many applications. Suitable for indoor or outdoor use, mounted vertically or horizontally. Lens optics and reflective coating allow optimal signalling and visibility (180° viewing angle).



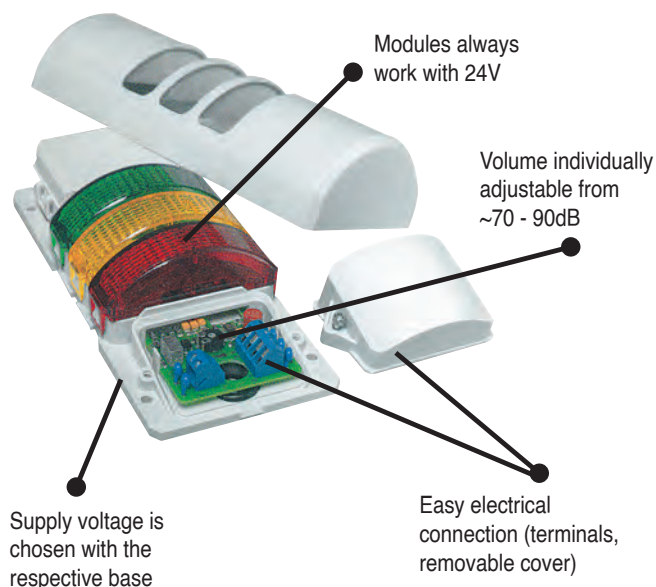
Auer Signal

Note: Available in different configurations (2-5 Module) ex-indent

3-Light Signal Tower - Size: 194 x 90 x 45mm

Code	Description
HD3-90A-*	Red, Yellow, Green Steady On
HD3-90B-*	Red, Yellow, Green Flashing
HD3-90C-*	Red, Yellow, Green Steady On, c/w buzzer module
HD3-90D-*	Red, Yellow, Green Flashing, c/w buzzer module

*Add voltage to code: **24V** (AC/DC), **110VAC**, **230VAC**
Buzzer module can produce continuous or pulsing tone.



SIGNAL TOWERS IP44

LED OR FILAMENT

Standard supply

Extra LM-PS

LM-LED

Description	Colour	Lamp Type	Code					
			1-Way R	2-Way R-Y	2-Way R-G	3-Way R-Y-G	4-Way R-Y-G-B	5-Way R-Y-G-B-W
Continuous	Filament	LM-1*	LM-2*	LM-2*/R-G	LM-3*	LM-4*	LM-5*	
Flashing	Filament	LMF-1*	LMF-2*	LMF-2*/R-G	LMF-3*	LMF-4*	LMF-5*	
Continuous	LED	LMD-1*	LMD-2*	LMD-2*/R-G	LMD-3*	LMD-4*	LMD-5*	
Flashing	LED	LMFD-1*	LMFD-2*	LMFD-2*/R-G	LMFD-3*	LMFD-4*	LMFD-5*	

*Specify Voltage: 12V AC/DC, 24V AC/DC, 110VAC & 230VAC
Synchronised flashing rate: 70FPM.
All units supplied with adjustable pole and angled bracket and Lamps/LED

Accessories & Spares

Code	Description
LM-PS	Vertical Pole Stand
LM-LED*-* /2	Spare LED Lamp for Tower Light (BA15D) *Add colour: R, GN, Y, BL, W *Add voltage: 12V AC/DC, 24V AC/DC, 110VAC, 230VAC
ACL61-*	Spare Filament lamp 7W BA 15d *Add voltage to code 12V, 24V, 110V & 230V
LM-**	Spare lens **Specify colour: R (Red), Y (Yellow), G (Green), B (Blue), W (White)

VISUAL ALARMS

893 01

LM-LED

Beacon Type 210
Size 82mm x 57mmØ IP65

Colour	Beacon - No Lamp
● Red	21010000
● Green	21020000
● Yellow	21030000
○ Clear	21040000
● Blue	21050000

LED Bulb BA15d (for Beacon 210) long life 100 000hrs. Size: Ø33mm (length with BA15d end 52mm)

Code	Code	Nominal Voltage	Colour Code for Lens
Continuous Light	Flashing Light		Add colour code C:
LM-LED*-12V/2	893 01C 12V	12VAC/DC	1 = ● Orange/Amber
LM-LED*-24V/2	893 01C 24V	24VAC/DC	2 = ● Red
LM-LED*-110V/2	893 01C 110VAC	110/120VAC	4 = ○ Clear
LM-LED*-230V/2	893 01C 230VAC	230/240VAC	5 = ● Blue
			6 = ● Green
			7 = ● Yellow

*Add colour to code: R, GN, Y, W, BL

Accessories

Code	Voltage	Lamp Type
ACL61 24V	24V, 7W	Filament
ACL61 110/130V	115V, 7W	Filament
LR-0.5W-15D 230VAC/2	230V, 0.5W	LED

- Bulb BA15d
- Total length max. 52mm

BANSHEE

NEW DESIGN

Flashing Beacons IP65 - Size 127mm x 104Ø

Code	Description	Function	Colour
KFL-A*	LED Beacon	Flashing / Rotating / Static	● Amber
KFL-R*	LED Beacon	Flashing / Rotating / Static	● Blue
KFL-B*	LED Beacon	Flashing / Rotating / Static	● Green
KFL-G*	LED Beacon	Flashing / Rotating / Static	● Red

*Add Voltage to Code: 12VDC, 24VDC (12-24VDC), 230VAC (190-260VAC)

Rotating Blinking LED Beacon (100 000 hours) 6VDC

Code - Battery Operated	IP Rating	FPM	Colour
LWC-001-SR	IP54	Adjustable	● Red
LWC-001-SA	IP54	Adjustable	● Amber
LWC-001-SB	IP54	Adjustable	● Blue
LWC-001-SG	IP54	Adjustable	● Green

Battery Operated Models

- Accepts 4 x 1.5V AA batteries (not supplied)
- 2 x mounting magnets
- Size 110mm x 125Ø
- On/Off switch
- 3.5mm Barrel Plug Socket to accept 6VDC external supply. Code: MD1006VDC (to be ordered separately)

SIGNAL TOWERS IP66

Light Modules



- Modular design in 40mm and 70mm for universal applications
- Based on latest LED technology
- Excellent cost/ performance ratio
- Easy to operate connection technique (bayonet type)
- Very long life span due to maintenance free LED
- Comprehensive range of mounting options
- Maximum No of modules = 5 (10 with double bracket XZV/ZZV)
- PLC friendly (controlled leakage and inrush currents)
- Multistrobe versions - irregular strobe pattern with no familiarisation effect

Pictures for display only, all items should be ordered separately

Code 70mmØ	XLL-*	XDC-*.**	XDA-*.**	XDF-*.**	-
Code 40mmØ	ZLL-*	ZDC-*.**	ZDA-*.**	ZDF-*.**	ZFF-*.**
Description	Incandescent steady on (Order lamp separately)	LED steady on	LED Flashing	LED Strobe	LED Multi-strobe Irregular Strobe Pattern
Flash Freq	-	-	2Hz	1.4Hz	1-2.6Hz

*For Lens colour add to code: ● A (Amber), ● R (Red), ○ C (Clear), ● B (Blue), ● G (Green), ● Y (Yellow)

** Add voltage to code: **24** (24VAC/DC), **110** (110/120VAC), **230** (230/240VAC)



Accessories

Code	Description
ACL61-*	Spare filament lamp 6-7W BA15d add voltage to code 24V , 110V or 230V
ACL62-*	Spare filament lamp 4W BA15d add voltage to code 24V , 110V or 230V
LWW	Lamp replacement tool for use with 40mm modules

Sound Modules



70mmØ Sound Module



40mmØ Sound Module

Bases & Mountings - c/w cap to complete signal tower



Code 70mmØ	XDE-**.*	XDZ-**.*	XDM-**.*	XMW	XMS	XMF	XMV	XZV
Code 40mmØ	ZDE-**.*	-	-	ZMW	ZMS	ZMF	ZMV	ZZV
Description	Continuous or Pulsing	Continuous and Pulsing	8 Tones selectable	Mounting Base	Mounting Base c/w fixed mounting screws	Mounting base flange type	Wall mounting base	Wall mounting base Double-sided
70mm	2.8kHz@100db	2.8kHz@100db	0.5kHz@100db	(2 x Internal Holes)				
40mm	4kHz @ 80db	-	-					

** Add voltage to code: **24**(24VAC/DC), **110**(110/120VAC), **230**(230/240VAC)

Pole Bases & Mountings - c/w cap to complete signal tower



Code 70mmØ	XMR-*	XWR	XSW-*	XSS	XFR-*
Code 40mmØ	ZMR-*		ZSW-*		ZFR-*
Description	Pole mount base with plastic foot	Wall Mount Bracket (Plastic) for use with XMR/ZMR	Pole mount base with M20 thread	Wall Mount Bracket (Metal) for use with XSW/ZSW	Pole mount base with quick mount foot adaptor

*Add length to code: **2**(100mm) **3**(250mm) **4**(400mm)

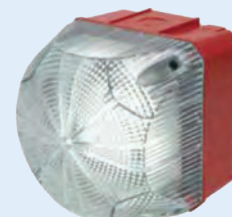


LED BEACONS

Beacons Type Q**IP66**

Q Beacons
joined
using AMK kit

- Comprehensive range of cubic designed beacons with LED
- LED Steady / Flashing in sizes 1,2 & 3 LED Multi-strobe in sizes 3.
- Multi Strobe patterns (Double, 6 times, multi). Strobe patterns are externally selectable.



Code	QDS-* ^{**}	QDM-* ^{**}	QDL-* ^{**}
Function	LED Steady On / Flashing	LED Steady On / Flashing	LED Steady On / Flashing
Flash Frequency	1Hz	1Hz	1Hz
Candela	100cd	120cd	170cd
^{**} Supply Voltage	24 (24VAC/DC) 48 (48VAC/DC) 110 (110-120VAC)	24 (24-48VAC/DC) 240 (110-240VAC/DC)	24 (24-48VAC/DC) 240 (110-240VAC/DC)
Size (mm)	230 (230-240VAC) Size 1 94 x 94 x 97	Size 2 132 x 132 x 137	Size 3 184 x 184 x 176

*Add Lens colour to code: ● A (Amber), ● R (Red), ○ C (Clear), ● B (Blue), ● G (Green), ● Y (Yellow) | (For QBL only: ● A (Amber), ● R (Red), ● Y (Yellow))

Accessories

Code	Description
AMK	Mounting Kit for combining type Q Beacons
AG*	Flat Gasket for mounting type Q Beacons
AB*	Metal Mounting bracket for type Q Beacons

*Add size to Code: 1,2,3

Beacons Type N**IP65**

- 90Ø x 102 H mm compact design
- Wide voltage range due to switch mode power supply
- NMS - 3 colours in one beacon

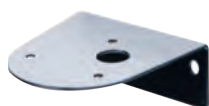
- Hi-performance units for signalling in daylight
- Shock and vibration resistant, maintenance free
- NFS-HP - 3 LED strobe patterns selectable by DIP switches (Double, 6 times, multi-strobe)



Note:
NMS, NMS-HP -
3 colours in 1

Code	NES-* ^{**}	NFS-* ^{**}	NFS-HP-* ^{**}	NMS-C-* ^{**}	NMS-HP-C-* ^{**}
Description	LED Steady on / Flashing	LED Strobe Double Strobe	LED Strobe Double / 6 Times / Multi	LED Steady / Flashing	LED Multi-Colour, Switch Selectable, Steady On
Flash Freq	2Hz	1.4Hz	1.4Hz/ 6 x 1Hz / Multi	1Hz	1Hz
^{**} Supply Voltage	12 (12-24VAC/DC) 24 (24-48VAC/DC) 240 (110-240VAC)	24 (24-48VAC/DC) 110 (110-120VAC) 230 (230-240VAC)	24 (24-48VAC/DC) 240 (110-240VAC/DC)	24 (24VAC/DC) 48 (48VAC/DC) 110 (110-120VAC) 230 (230-240VAC)	24 (24-48VAC/DC) 240 (110-240VAC/DC)

*Add Lens colour to code: ● A (Amber), ● R (Red), ○ C (Clear), ● B (Blue), ● G (Green), ● Y (Yellow)

Accessories

Code	Description
WMS	Metal bracket for wall mounting
MGS	Magnetic mounting

LED BEACONS

LED Type (Flasher, Long Life) Beacon Light - 125mm(H) x 75mmØ

Colour	Beacon Flasher IP54		Hilo Flasher IP65	
	12-24VAC/DC	110-230VAC	12-24VAC/DC	110-230VAC
Red ●	LIB011F	LIB001F	LIH021F	LIH011F
Green ●	LIB012F	LIB002F	LIH022F	LIH012F
Amber ●	LIB013F	LIB003F	LIH023F	LIH013F

• For E27 screw type add ES at end of code e.g. LIB011F-ES

LED Steady (Non flashing, Long Life) Beacons - 143(H) x 70mmØ

Red ●	LIB011	LIB001	LIH021	LIH011
Green ●	LIB012	LIB002	LIH022	LIH012
Amber ●	LIB013	LIB003	LIH023	LIH013

Combination LED Flasher or Rotating Beacon - 143(H) x 70mmØ

Rotating / Flasher Code - Selection by switch 230VAC		Steady on only Code 230VAC	
E27-FF120LED-*	120 High Bright LED's	E27-D150LED-*	150 High Bright LEDs

*Add colour to code, ○ CW (Cool White), ● GN (Green), ● BL (Blue), ● Y (Yellow)

Flashing LED Beacons 110 FPM IP53

Description	Colour	LED Beacon
	Red ●	113/LEDR*
	Green ●	113/LEDG*
	Yellow ●	113/LEDY*
	Amber ●	113/LEDA*
113/FH*LENS		

*Specify Voltage: 24V (12-24VAC/DC) or 230VAC (48 - 230VAC/DC)

Flashing LED Vehicle Beacon IP67

Code	Type	Supply Voltage	Size
LB-130-*	Base Mount	9 - 33VDC	167Ø x 89mm
LB-130M-*	Magnetic	9 - 33VDC	167Ø x 89mm

*Add colour to code, ○ W (White), ● R (Red), ● GR (Green), ● B (Blue), ● A (Amber)

- 8 Selectable flashing patterns
- Multiple beacons can be connected for synchronous or alternating flashing
- UV Resistant lens & die-cast aluminium base

Flashing LED Vehicle Beacon IP67

Code	Type	Supply Voltage	Size
CS-155-I-*	High	9 - 33VDC	182Ø x 182mm
CS-155-II-*	Low	9 - 33VDC	182Ø x 104mm

*Add colour to code, ○ W (White), ● R (Red), ● GR (Green), ● B (Blue), ● A (Amber)

- 8 Selectable flashing patterns including revolving
- Multiple beacons can be connected for synchronous or alternating flashing
- UV Resistant lens & polycarbonate lens & base

100 000 HOURS
LED LIFE



Beacon Type
20mm conduit
nipple



ES Type



Hilo Type



Combination LED
Rotating/ Flasher

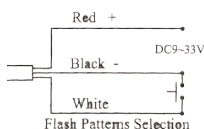
Switch



LA SONORA®



Wiring

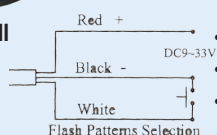


CS-155-I



CS-155-II

Wiring



LED EMERGENCY FLASHING BEACONS IP67

					
Code	12-55C2*.**	12-60C2*.**	12-709C3*	12-30C2A-M22	SM812-*.**
Voltage	10 - 30VDC	10 - 30VDC	10 - 30VDC	10 - 80VDC	12-24VDC
LED Qty	20 x 0.2W SMD LED	24 x 0.2W SMD LED	36 x 0.5W SMD LED	24 x 0.2W SMD LED	36 Pcs
Flash Pattern	Single / Double / Triple / Quadruple / Rotate		Single / Rotate	Single	Single
Flash per min	150 / 74 / 76 / 75 / 143 Respectively		120 - 150 / 120 - 180	On: 1.3s / Off: 0.27s	120FPM
Mounting	Base / Magnetic	Base / Magnetic	Pipe / Pole	M22 Thread	Base / Magnetic
Size	Ø130 x 60mm	Ø130 x 96mm	Ø145 x 179mm	Ø72.5 x 132mm	Ø114 x 95mm
Colour	White/Amber	White/Amber	White/Amber/Red	Amber	Amber / Red

*Add LED colour to code: ○ W (White); ● A (Amber), ● R (Red). **Add mount type to code: ST (Base Mount) 3 x screws, MG (Magnetic) up to 80kph

LED STROBE BEACONS IP56

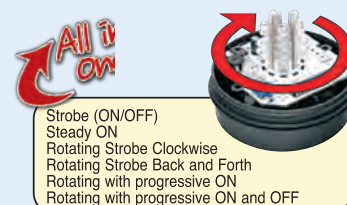
					
Code	PL-9578-*	PL-9578M-*	PL-9578S-*	PL-9802-*	PL-9802R-*
Voltage	12 - 80VDC	12 - 80VDC	12 - 80VDC	12 - 80VDC	12 - 80VDC
LED Qty			15x0.5W LED		
Flash Pattern		Strobe 80 quad flash groups per min			Revolving
Mounting	Base	Magnetic	Centre Stud	Magnetic	
Size	Ø148 x 123mm	Ø148 x 123mm	Ø145 x 150mm	204 x 145 x 150mm	204 x 145 x 150mm
Colour	White/Amber/Red/Blue	White/Amber/Red/Blue	White/Amber/Red/Blue	Amber/Red/Blue	Amber/Red/Blue

*Add colour to code: ○ W (White); ● A (Amber), ● R (Red), ● B (Blue).

LED Strobe Lights IP65 Size Ø100mm x (H)80mm

Code	Volts	Colour
SL-1301-R	6-14VDC	● Red
SL-1301-A	9-14VDC	● Amber
SL-1301-C	9-14VDC	○ Clear

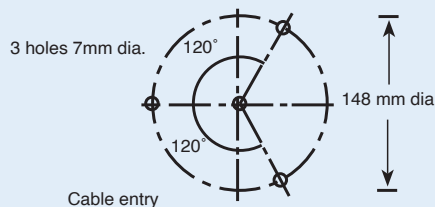
- 6 Different flash patterns
- Current drain: 60~200mA@12VDC
- Adjustable flashing speed: 30~260 flashes/minute
- Operating life: over 50 000Hrs
- Electrical protection: Reverse polarity protection
- Backup battery life: Steady ON Up to 2 hours
Strobe/Flashing Up to 4 hours



LED BEACONS



Drilling for Panel Mounting
(ISO 4148)



Rearguard LED IP65

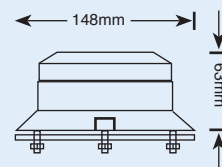
Code	Size (mm)	Colour	Current
PL-9803-A	63 x 148Ø	Amber	140 - 45mA
PL-9803-B	63 x 148Ø	Blue	141 - 45mA
PL-9803-W	63 x 148Ø	White	142 - 45mA
PL-9803-R	63 x 148Ø	Red	143 - 45mA

Features

- 80 Quad flashes per minute
- Base Mounting
- Bright Directional Warning
- Supply Voltage: 12-80VDC

Applications

Suitable for many vehicle applications including utility, refuse trucks, street cleaners, delivery, recovery and large vehicles.



NEW

- Double Flash
- Supply Voltage: 12-24VDC



SM825AC-A/R



SM825PC-A/R



SM825HC-A/R

LED Beacon Diamond Sparkling Dome IP66

Code	Size (mm)	Colour	Mounting
SM825AC-A	210 x 126Ø	Amber	Pole
SM825AC-R	210 x 126Ø	Red	Pole
SM825PC-A	118 x 126Ø	Amber	3 Bolts
SM825PC-R	118 x 126Ø	Red	3 Bolts
SM825HC-A	118 x 126Ø	Amber	Magnetic
SM825HC-R	118 x 126Ø	Red	Magnetic

NEW



SM822MF

SM822MF10-110V



SM822EH

LED Flat Top Liner Beacon IP66

- Rotating & Two Pulse/Flash
- Supply Voltage: 12-24VDC

Code	Size (mm)	Colour	Mounting
SM822MF	108 x 115Ø	Amber	Magnetic
SM822EH	108 x 115Ø	Amber	1 Bolt
SM822MF10-110V	108 x 115Ø	Amber	3 Bolts

NEW



SM818GF

SM818EF

SM818HF

LED Flat Top Liner Beacon IP66

- Revolving Flash/Intermittent Flash
- Supply Voltage: 12-24VDC

Code	Size (mm)	Colour	Mounting
SM818GF	108 x 125Ø	Amber	Magnetic
SM818EF	138 x 125Ø	Amber	1 Bolt
SM818HF	108 x 125Ø	Amber	3 Pole Base

LED BEACONS

NEW



SM810AF



SM810HF

LED Beacons IP65

Rotating & one Pulse/flash & Two Pulse/Flash 12-24VDC LED

Mounting	Size (mm)	Colour	Code
Magnetic Mount with Car Plug	186 x 126Ø	Amber ●	SM810HF
Pole Type	260 x 126Ø	Amber ●	SM810AF

NEW



AL901



AL505

LED Beacons IP65 - 137mm(H) x lens Ø98mm

Code	Volts	Buzzer	Mounting	Colour	Size
AL901-R-31	230VAC	No	3 Bolt	Red ●	137 x 98 Ømm
AL901-RM-31	230VAC	Yes	3 Bolt	Red ●	137 x 98 Ømm
AL901-RGB-31	24VDC/AC	No	3 Bolt	Red, Green, Blue ●●●	137 x 98 Ømm
AL901-RGBM-31	24VDC/AC	Yes	3 Bolt	Red, Green, Blue ●●●	137 x 98 Ømm
AL505-RYG-23	24VDC/AC	No	30mm Ø	Red, Yellow, Green ●●●	58 x 50 Ømm
AL505-RYGM-23	24VDC/AC	Yes	30mm Ø	Red, Yellow, Green ●●●	58 x 50 Ømm

LED 22mm PANEL MOUNT INDICATORS & ALARMS IP65

Steady/Flashing Beacon or Steady/Flashing

Beacon & Buzzer Combo

Beacon: 85 -103dB

Buzzer: 45mm - 2 Tones

Buzzer: 65mm - 3 Tones



80010C405-R



80110C405-C



80210C405-R

Size	Codes		Supply Volts
	Beacon Steady / Flashing	Buzzer & Beacon Combo Steady / Flashing	
30mm	80050C405-* 80050C313-*	- -	24VAC/DC 230VAC
45mm	80150C405-* 80150C313-*	81351C405-* 81351C313-*	24VAC/DC 230VAC
65mm	80250C405-* 80250C313-*	81451C405-* 81451C313-*	24VAC/DC 230VAC

* Add colour to code:

● A (Amber), ● R (Red), ○ C (Clear), ● BL (Blue), ● GN (Green), ● Y (Yellow)

SIRENCO BEACONS

sirengo

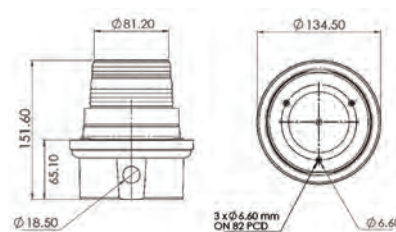
Sirengo Beacon IP65

Robust compact designs with solid state electronics and extremely bright 9W high power LED's.

Provides excellent visibility day or night.



Code	Voltage	FPM	Colour
SBLSR012	12-24VDC	Rotate 120RPM	● Red
SBLSA012		Flash 120FPM	● Amber
SBLSB012		Static	● Blue
SBLSG012		Static	● Green
SBLSR220	90-260VAC	Rotate 120RPM	● Red
SBLSA220		Flash 120FPM	● Amber
SBLSB220		Static	● Blue
SBLSG220		Static	● Green

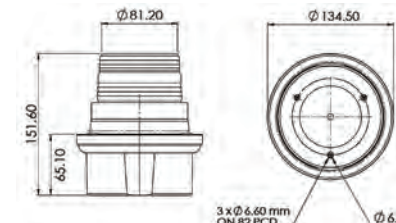


Sirengo Portable Beacon IP65



Code	Voltage	Light Pattern	Colour
SPFR074	7.4VDC	Rotate 120RPM	● Red
SPFA074		Flash 120FPM	● Amber
SPFB074		Static	● Blue
SPFG074		Static	● Green

Magnetic Base, Mains and car charger included



VISUAL ALARMS

delta design
ADVANCED WARNING TECHNOLOGY



Vehicle Strobe Flasher (Xenon tube) IP65

±3000 Hours operation (for airport and vehicle use). 115mm(H) x 110mmØ

Colour	Volts	Power	Flash FPM	Code
Amber	10-100VDC	5W	75	RB4XMV/5-A
Amber	10-100VDC	2W	75	RB4XMV/2P-A
Red	10-100VDC	2W	75	RB4XMV/2P-R
Spare Lens: * ● A (Amber), ● R (Red), ● G (Green), ● B (Blue)				RB4XDV-*LENS
Spare P.C. Board 12/24VAC/DC				RB4XDV-PCB
Single bolt kit M12				FX7

Sentry Warning Lamp (complete with battery)

Amber	24VDC	2W	3H Bat. life	RB412/2
Amber	24VDC	1W (long life)	10H Bat. life	RB412/1L
230V Mains charger				RB4-CHR

Magnetic Strobe Flasher Beacon - 105mm(H) x lensØ 100mm, Base Ø115mm

Colour	Power	Flash FPM	Code
Amber	15W	75	TK-88HP/A-*
Red	15W	75	TK-88HP/R-*
Clear	15W	75	TK-88HP/C-*
†Blue	15W	75	TK-88HP/B-*

*Specify voltage: 12VDC, 24VDC, 230VAC †Available to Police Services only

LED Strobe Beacon 60 FPM (2-3W, 5-10mA) IP53

LED Strobe Beacon	Red ●	LEDJBS-100R*
Dimensions:	Green ●	LEDJBS-100G*
100mm(Ø) x 80mm(h)	Yellow ●	LEDJBS-100Y*
Spare Lens *R, G, Y, B	Blue ●	LEDJBS-100B*
	Spare Lens	JBS-100*LENS

* Specify Voltage: 12VDC (6-12VAC/DC), 24VAC/DC and 230VAC (110-230VAC)

Strobe Beacon 90 FPM (3W, 150mA) IP53

Dimensions:	Red ●	TK-30/R-*
77mm Ø x 50mm	Amber ●	TK-30/A-*
	Clear ○	TK-30/C-*
	Blue ●	TK-30/B-*

*Specify Voltage: 12VDC (6-12VDC), 24VDC. Power consumption 150mA

Strobe Flashers For Fork Lifts IP65

Volts	Size (mm)	FPM	Colour	Code
12-80VDC	Base 130Ø x 95(H)	75	Amber ●	AP-1070A
12-80VDC	Base 130Ø x 95(H)	75	Red ●	AP-1070R
12-80VDC	Base 105Ø x 120(H)	75	Amber ●	AP-3107A
12-80VDC	Base 105Ø x 120(H)	75	Red ●	AP-3107R

Rotating Beacon 110 FPM IP53

Description	Colour	Code
12VDC-45W Incandescent lamp	Red ●	150/NR*
24VDC-45W Incandescent lamp	Green ●	150/NG*
115VAC or 230VAC: 40W	Yellow ●	150/NY*
Incandescent lamp	Amber ●	150/NA*
Dimensions: 150mm Ø x 200mm H	Blue ●	150/NB*
Spare Belt		150/BELT
Spare Lens: *R, G, Y, A, B		150/N*-LENS
Spare Lamps: ACL51 230V, ACL41 24V, ACL41 12V, ACL51 110VAC		



LA SONORA®



VISUAL ALARMS



LED:
Clear signalling even
in direct sunlight



Base Mounting

Shown with
fixing bows



2 Lamp
Beacon



Reflector



Fixing bow kit



Traffic Lights IP65

- Underground car parks
- Car wash

- High Impact ABS
- Entrances
- Base or swivel bracket mounting

- LED 50000Hrs
- Size: Ø150 x 147H

Code 1 Lamp	Lamp	Code 2 Lamp	Lamp	Colour	Voltage
890-120-55*	LED	—	LED	Red	12 or 24VDC
890-220-55*	LED	—	LED	Green	12 or 24VDC
*Add voltage to Code					
890-120-68	LED	890-121-68	LED	Red	230VAC
890-220-68	LED	890-221-68	LED	Green	230VAC
890-10	E27*	890-110	E14*	Red	12-240V
890-20	E27*	890-210	E14*	Green	12-240V
890-30	E27*	890-310	E14*	Yellow	12-240V
890-40	E27*	890-410	E14*	Clear	12-240V
890-50	E27*	—	—	Blue	12-240V

Application



(Excluding Lamps). *15/25 Watt max, golf ball type incandescent lamp.

1 Lamp Beacons supplied without reflector, to be ordered separately

2 Lamp Beacons supplied with reflector

Accessories

Code	Description
975-890-02	Reflector for one Lamp
975-890-33	Fixing bow kit for one beacon
975-890-34	Fixing bow kit for two beacons
975-890-35	Fixing bow kit for three beacons

Stickers

Code	Description
975-890-52	→
975-890-53	Stop
975-890-54	Start

LED E27 Lamps - for 1 Lamp Beacon

Code	HS-E27-10W-DL
• Supply Volts:	85-260VAC
• Wattage:	9W
• Base:	E27

LED E14 Lamps - for 2 Lamp Beacon

Code	T-LEDG50R-E14-DL
• Supply Volts:	230VAC
• Wattage:	3W
• Base:	E14

LIT

LED BEACONS



SecuriLED IP67

Code Surface	Code Stud	Code Seady On	Volts	Colour	Power	
					12VDC	24VDC
PL-9805-A	PL-9805T-A	RB497032-ST	12-24VDC	Amber	1A	0.5Amp
PL-9805-R	PL-9805T-R	RB497033-ST	12-24VDC	Red	1A	0.5Amp
PL-9805-B	PL-9805T-B	RB497034-ST	12-24VDC	Blue	1A	0.5Amp
PL-9805-W	PL-9805T-W	RB497031-ST	12-24VDC	White	1A	0.5Amp

Features

- Surface Mount Size 143 x 110 x 46mm
- Stud Mount Size: 125 x 97 x 62mm
- 3W x 6 Pcs per fitting
- 120 Quad flashes / min

SignalLED IP67 - Surface mount. Size: 91(L) x 32(H) x 22(D)mm. Multiflash

Code	Volts	Power	Colour
DAD1001	9 - 30VDC	3W/180mA	Amber
DAD1002	9 - 30VDC	3W/180mA	Red
DAD1003	9 - 30VDC	3W/180mA	Blue
DAD1004	9 - 30VDC	3W/180mA	Clear (White)

Features

- A compact lower consumption maintenance-free LED beacon providing wide-angle light dispersion
- Up to 10 units can be wired for synchronous or asynchronous operation
- 22 Operating Modules
- Robust die-cast aluminium housing
- 3 wide angled LED optics



AUDIBLE ALARMS



Loud DC Sirens

Code	Volts	IP	dB	Tone	Rated Current	Colour
ESB-6	8-15VDC	55	100	Warble/Siren	200mA	● Black
KPS-1500	6-15VDC	65	105	Warble/Siren	300mA	● Black
KPS-112	6-14VDC	55	109	6 Tone	750mA	○ White
KPS-124	15-28VDC	55	106	Warble/Siren	90mA	● Black
KPS-100T	6-14VDC	55	115	1 Tone	1300mA	○ White
KPS-104	6-14VDC	55	102	Warble/Siren	750mA	● Black
KPS-6000	5-15VDC	65	105	Sweep	200mA	○ White

BACK-UP ALARMS



Back-up Alert for Fork Lift

Code	Voltage	IP	dB	Tone	Rated Current	Colour
AP-9805	10-80VDC	65	97	Back-up	400mA	● Black
TK-428	6-12VDC	65	126	Back-up	650mA	● Black



Back-up Alert / Flasher Combination - 90 flashes/min

Code	Voltage	IP	dB	Tone	Rated Current	Colour
TK-438/R	6-12VDC	65	126	Back-up	800mA	● Red
TK-438/A	6-12VDC	65	126	Back-up	800mA	● Amber



Surface Mounting Back-up Alarm - IP67

Code	Voltage	Size (mm)	Db (1.2m)	Connector
PL-638	12-24VDC	86 x 100 x 41mm	97	Stud Terminals

- Surface mount alarm
- Offers a wide range of mounting options
- Rugged ABS housing provides durability
- Protected from vibration and moisture ingress



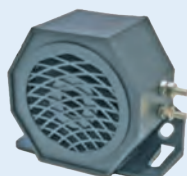
High Output Back-up Alarm - IP67

Code	Voltage	Size (mm)	Db (1.2m)	Connector
PL-8628	12-24VDC	85 x 101 x 49mm	107	Stud Terminals

- High level audio output
- Use for areas of high ambient noise
- Rugged nylon housing for durability
- Protected from vibration and moisture ingress
- Meets SAE J994 standards covering high pressure washing



PL-8668C



PL-628B

Smart Self-Adjusting Back-up Alarms - IP67

Code	Voltage	Size (mm)	Db (1.2m)	Connector
PL-8668C	12-24VDC	78 x 127 x 96mm	97 - 112	Stud Terminals
PL-628B	12-24VDC	78 x 127 x 96mm	77 - 102	Stud Terminals

- Monitors ambient background noise
- Automatically adjusts volume
- Rugged nylon housing for durability
- Protected from vibration and moisture ingress
- Meets SAE J994 standards covering high pressure washing