Electronic Sounders

A range of Electronic Sounders designed for use within fire alarm systems, intruder alarm systems and industrial signalling systems. Designed for reliability in operation the range comprises several different models; Roshni, a wall mounting sounder for signalling indoors or outdoors within open areas, corridors and passages; Askari Compact, for use in hotel bedrooms and other areas where unobtrusive installation is important; Askari Panel, for panel mounting and use in industrial instrumentation and control centre applications; Askari Flange, for surface mounting within cabinets and machines for industrial control transport and vending machine applications.

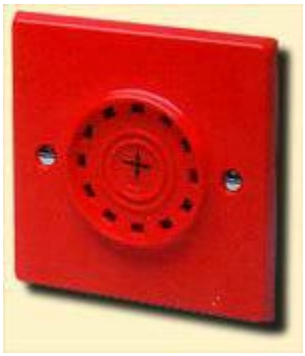
- 26 SIGNAL TONES AVAILABLE
- EVERY SOUNDER SUITABLE FOR 12V D.C. & 24V D.C. SYSTEMS, NO ADJUSTMENT REQUIRED
- HIGH SOUND OUTPUT WITH LOW CURRENT CONSUMPTION
- AUTOMATIC SYNCHRONISATION
- VOLUME CONTROL AS STANDARD
- ALL SOUNDERS WEATHER RESISTANT TO IP65
- ALL SOUNDERS AVAILABLE IN RED OR WHITE ABS MOULDING

Roshni

The Roshni is widely accepted as a favourite choice amongst specifiers, installers and distributors of electronic sounders within systems and it has set the standard in what it provides.

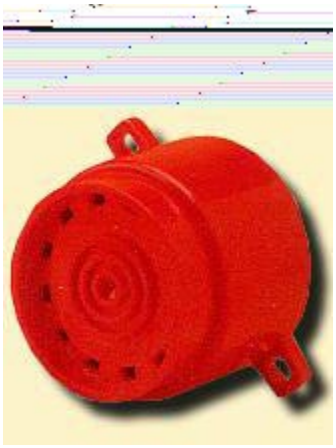
- THIS IS HIGHLY DURABLE VALUE-FOR-MONEY, HIGH SOUND OUTPUT UNIT IS DESIGNED TO BE A MAINSTAY COMPONENT IN ANY ALARM SYSTEM INSTALLATION.
- AUTOMATIC SYNCHRONISATION PROVIDES ENHANCED SIGNAL CLARIFICATION ON MULTI-SOUNDER SYSTEMS, WHICH IS A STANDARD FEATURE FOR THE ROSHNI, AS WITH ALL SOUNDERS IN THE RANGE.
- EVERY ROSHNI CAN PROVIDE 26 DIFFERENT TONES EVERY ROSHNI CAN PROVIDE 26 DIFFERENT, SWITCH SELECTABLE DURING INSTALLATION. EACH IS SUPPLIED PRE-SET TO ONE OF THE 26 TONES, ACCORDING TO ORDER, THE DEFAULT OPTION BEING TONE NO.3 FOR USE IN FIRE ALARM SYSTIMS COMPLYING TO BS5839, PART 1:1988.
- A SECOND TONE IS AVAILABLE IF A THIRD WIRE IS INSTALLED IN THE SOUNDER CIRCUIT.
- FLUSH OR SURFACE CABLING IS ACCOMMODATED THROUGH A CHOICE OF A SHALLOW OR DEEP BASE. THE SOUNDER FIXES TO THE BASE WITH A TWIST BAYONET ACTION.
- A MAINS OPERATED VERSION, 110/240V A.C. (50Hz) IS AVAILABLE.
- A LOCKABLE BASE VERSION IS AVAILABLE, THE SOUNDER BODY BEING SECURED TO THE BASE WITH A SCREW WHICH CAN ONLY BE UNFASTENED USING A SPECIAL TOOL.
- AN ANTI-TAMPER VERSION, WITH ANTI-TAMPER SWITCH, IS AVAILABLE (ONLY WITH THE SHALLOW BASE).

Askari Compact



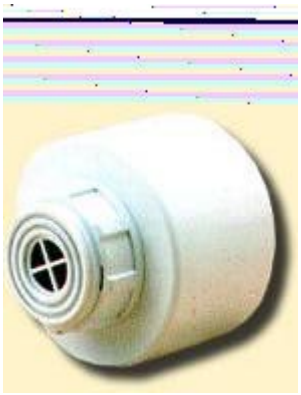
The Askari Compact meets growing demand for local room sounders, which are particular trend with users and specifiers of systems designed to protect hotel bedrooms. Askari Compact is the ideal sounder to meet the requirements of BS5839, Part 1, with regard to sound output in sleeping risks.

- ULTRA-SLIM PROFILE DESIGNED FOR UNOBTRUSIVE INSTALLATION.
- THE UNIT IS SUPPLIED PRE-SET TO ANY 26 DIFFERENT TONES.
- A SECONDTONE IS AVAILABLE IF A THIRD WIRE IS INSTALLED IN THE SOUNDER CIRCUIT.
- FLUSH OR SURFACE CABLING IS ACCOMMODATED THROUGH CHOICE OF STANDARD SINGLE-GANG FLUSH OR SURFACE WALL BOXES (MINIMUM WALL BOX DEPTH OF 36mm TO ALLOW WIRING TERMINATION CLEARANCE).



The Askari Flange sounder is designed for applications where an alarm signal is required from within cabinets or machines. Applications are diverse, from Pedestrian Crossing sound signals to Consumer Vending Machine security alarms.

- TWO PROTRUDING FLANGES SECURELY FIX THE BODY TO A SURFACE
- AS FOR THE ASKARI PANEL SOUNDER, THE UNIT IS PRE-SET TO ANY OF 26 DIFFERENT TONES AND A SECOND TONE IS AVAILABLE IF A THIRD WIRE IS INSTALLED IN THE SOUNDER CIRCUIT.



The Askari Panel sounder meets the requirements of industry for instrumentation and control centre alarms, being designed for easy mounting onto control panel fronts.

- THE SCREW-ON TOP CLAMPS THE SOUNDER BODY TO A PANEL SURFACE, WHEN THE NECK OF THE SOUNDER PROTRUDES THROUGH A SUITABLY SIZED PANEL APERTURE.
- THE UNIT IS SUPPLIED PRE-SET TO ANY OF 26 DIFFERENT.TONES.
- A SECOND TONE IS AVAILABLE IF A THIRD WIRE IS INSTALLED IN THE SOUNDER CIRCUIT.

ELECTRONIC SOUNDERS TECHNICAL SPECIFICATIONS

MODEL		Roshni Shallow	Roshni Deep	Askari Compact	Askari Panel	Askari Flange
Operation		Continuously rated				
Operating Voltage Range		9 - 28V D.C.				
Sound Output dba at 1 metre (tone 3)	12V D.C. 24V D.C.	103 105	103 105	99 101	99 101	99 101
Current Consumption (tone 3)	12V D.C. 24V D.C.	8mA 18mA				
Starting Current		30mA for 2 milliseconds				
Starting Time		1.5 milliseconds				
Automatic Synchronisation		+/- 0.15%				
Frequency Stability		-40 degrees C to + 80 degrees C				
Operating Temperature Range		Polarised input				
Construction		ABS plastic case, red or white				
Ingress Protection		IP65				
Dimensions		93mm dia. x 75mm depth	93mm dia. x 105mm depth	85.75mm2 x 36mm depth	50mm dia. x 44mm depth	52mm dia. x 43mm depth
Weight		290g	311g	109g	85g	95g

Squashni Electronic Sounder

The Squashni is a unique innovative ceiling sounder with a universal detector platform designed for use in a wide range of fire alarm and other system applications. Local area alarm within rooms, corridors and in outdoor locations are all within its scope. New detectors and sounders can be installed at the same fixing point saving on wiring costs and there is weather resistance to IP65 owing to the electronics being fully encapsulated in epoxy resin.

FULL ACOUSTIC DESIGN

The Squashni acoustics are designed for the suggested application of use with fire alarm detectors and the product can be used in fire alarm installation designed to comply with BS5839, Part 1: 1988.

GENUINE APPLICATION FLEXIBILITY

The Squashni is also suitable for use as a ceiling or wall sounder and installation platform for many other wiring devices, for example, xenon beacons and ceiling pull switches (device fixing screws are supplied with the Squashni). In safety critical situations the advice of our technical sales department should be sought. The Squashini can also be used as a normal stand-alone sounder, when fitted with the purpose blank cover.

PRODUCT FLEXIBILITY

The Squashni provides a choice of any one of 26 tones, factory pre-set to order, and operates over a wide supply voltage range. A second tone is available if a third wire is installed in the sounder circuit.

IMPROVED AESTHETICS

The Squashni enhances unobtrusive installation aesthetics. It has an ultra-slim profile and it reduces the number of separate fixing points for room devices - important in prestige environments and ancient buildings, for example.

REDUCED INSTALLATION COSTS

The Squashni itself provides excellent value for money and also helps to reduce installation costs. In many situations single 4-core cable can be used to install detector and sounder circuits, instead of 2-core cables, with significant cost savings.

Note: The advice of suppliers of the fire alarm system control equipment should be sought in this respect, to ensure the satisfactory operation of the installed system.

SQUASHNI TECHNICAL SPECIFICATIONS

Operation	Continuously rated
Operating Voltage Range	10-28V D.C.
Sound Output (dBA at 1 metre-tone 3) 24V D.C.	93
Current Consumption (tone 3) 24V D.C.	18mA
Starting Current	30mA for 2 milliseconds
Starting Time	1.5 milliseconds
Frequency Stability	+/-0.15%
Operating Temperature Range	-40 to +80 degrees centigrade
Line Monitoring Method	Polarised input
Construction	ABS plastic case; white as standard
Ingress Protection	IP65
Dimensions	112mm dia. x 27mm depth
Weight	136g

Alarm Tones

No.	Tones	2nd Tone	Code 12345	Description	Typical current (mA)		Typical Sound Output +-2dBA at 1m	
					12V	24V	12V	24V
1	Alternating Tones 800/970 at 2 Hz	14	11111		9	18	84	92
2	Sweeping 800/970 Hz at 7 Hz	14	11110	Fast Sweep (LF)	8	18	88	93
3	Sweeping 800/970 Hz at 1 Hz	14	11101	Medium Sweep (LF)	8	18	88	93
4	Continuous at 2850 Hz	14	11100		14	29	98	104
5	Sweeping 2400-2850 Hz at 7 Hz	4	11011	Fast Sweep	10	23	92	102
6	Sweeping 2400-2850 Hz at 1 Hz	4	11010		10	23	90	101
7	Slow Whoop	14	11001	Slow Whoop	7	15	87	91
8	Sweep 1200-500 Hz at 1 Hz	14	11000	Din Tone	8	16	83	91
9	Alternating Tones 2400/2850 at 2 Hz	4	10111		12	27	93	99
10	Intermittent Tone of 970 Hz at 1 Hz	14	10110	Back-up Alarm (LF)	5	12	87	94
11	Alternating Tones 800/970 at 1 Hz	14	10101		9	18	85	93
12	Intermittent Tone of 2850 Hz at 1 Hz	4	10100	Back-up Alarm (LF)	8	20	86	102
13	970 Hz at 1/4 sec. on 1 sec. off	14	10011		3	7	87	90
14	Continuous at 970 Hz	14	10010		9	20	87	95
15	554 for 100 ms and 440 Hz for 400 ms	14	10001	French Fire Sound	5	12	83	88
16	Intermittent 660 Hz 150 ms On / 150 ms Off	16	10000	Swedish Fire Alarm	4	9	71	78
17	Intermittent 660 Hz 1.8 s On / 1.8 s Off	17	01111	Swedish Fire Alarm	5	12	71	82
18	Intermittent 660 Hz 6.5 s On / 13 s Off	18	01110	Swedish Fire Alarm	4	10	73	81
19	Continuous at 660 Hz	19	01101	Swedish Fire Alarm	6	14	73	81
20	Alternating 554/440 Hz at 1 Hz	20	01100	Swedish Fire Alarm	6	13	80	85
21	Intermittent 660 Hz at 1 Hz	21	01011	Swedish Fire Alarm	4	9	71	78
22	Intermittent 2850 Hz 150 ms On / 100 ms Off	14	01010	Pelican Crossing	9	19	96	101
23	Sweep 800-970 Hz at 50 Hz	14	01001	Low Frequency Buzz	9	18	87	93
24	Sweep 2400-2850 Hz at 50 Hz	4	01000	High Frequency Buzz	12	22	94	100
25	Intermittent 970 Hz 500 ms On / 500 ms Off	25	00111	ISO 8201 Low Frequency	9	29	99	107
26	Intermittent 2850 Hz 500 ms On / 500 ms Off	26	00110	ISO 8201 High Frequency	14	29	110	116