

WARNING DEVICES

Sounders, Beacons and Bells



The Kidde Fire Protection range of warning devices includes conventional types and addressable versions compatible with Apollo XP95 and Hochiki ESP protocols.

Alarm Sounders

The range consists of 3 types: Roshni (available in deep and shallow base versions for flush or surface cabling) and Askari compact.

The Roshni sounders feature automatic synchronisation for enhanced signal clarification on multi sounder systems, plus 24 selectable tones. A second

switchable tone is available if a third wire is installed in the sounder circuit.

The Askari compact sounder is ideal for local room use eg. hotel bedrooms. It has an ultra slim profile and 24 selectable tones, with a second switchable tone available as for the Roshni sounder. Flush or surface cabling can be accommodated.



Model	Roshni – shallow base	Roshni – deep base	Askari Compact
Part no	23906 - H01	23906 - H02	23905 - H010
Voltage range	9 – 28v DC	9 – 28v DC	9 – 28v DC
Sound output dBA at 1 metre 24v DC	105	105	105
Current consumption	18mA	18mA	18mA
Starting current	30mA for 2mS	30mA for 2mS	30mA for 2mS
Starting time	1.5mS	1.5mS	1.5mS
Automatic synchronisation	Synchronised phase start		
Frequency stability	+/- 0.15%		
Operating temperature range	-40°C to +80°C		
Line monitoring method	Polarised input		
Construction	ABS plastic case, red lens		
Ingress protection	IP65		
Dimensions	93mm dia x 75mm deep	93mm dia x 105mm deep	87.75mm dia x 36mm deep
Weight	290g	31g	109g

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Beacons

Four types of beacon are available, all 24v powered: The standard beacon is available in 1.0 and 2.0 Joule versions and the high efficiency beacon in 0.4 and 1.0 Joule versions. All have a red lens as standard and a shallow base with built in terminal block.

Sounder/beacons

Two types of combined sounder/beacon are also available: the Flashni and the Squashni. The Squashni sounder/beacon is an innovative design ceiling sounder which incorporates a universal detector platform. It allows

new detectors and sounders to be installed at the same fixing point thus saving wiring costs. Alternative applications are as a platform for a beacon (providing a combined sounder/beacon) or as a stand alone sounder.

Beacon Model	Standard 1.0 Joule	Standard 2.0 Joule	High Efficiency 0.4 Joule	High Efficiency 1.0 Joule
Part no	23905 - K011	23905 - K012	23905 - H01	23905 - K006
Operation	Continuously rated			
Voltage range	20 – 30v DC	20 – 30v DC	18 – 28v DC	18 – 28v DC
AV current consumption	90mA at 24v	155mA at 24v	30mA at 24v	60mA at 24v
Power rating	2.1W	3.6W	0.72W	1.44W
Flash energy	1.45J	2.0J	0.4J	1.0J
Flash frequency	60 per minute			
Operating temperature range	-20°C to +55°C	-20°C to +55°C	-10°C to +55°C	-10°C to +55°C
Line monitoring method	Polarised input			
Construction	ABS plastic body with polycarbonate lens			
Ingress protection	IP65			
Lens colour	Red as standard			
Dimensions	93mm dia x 72mm height			
Weight	0.28kg			



Sounder/beacon Model	Flashni combined sounder/ beacon	Squashni sounder/ beacon
Part no	23905 - K009	23905 - K008
Operation	Continuously rated	
Voltage range	18 – 30v DC	10 – 28v DC
AV current consumption	68mA at 24v	68mA at 24v
Power rating	1.63W	1.63W
Flash energy	0.7J	0.7J
Flash frequency	60 per minute	
Operating temperature range	-10°C to +55°C	-10°C to +55°C
Line monitoring method	Polarised input	
Construction	ABS plastic body with polycarbonate lens	
Ingress protection	IP65	
Lens colour	Red as standard	
Dimensions	93mm dia x 92mm deep	112mm dia x 27mm deep (plus depth of beacon)
Weight	290g	136g

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Alarm Bells

The Kidde range of alarm bells comprises motorised and solenoid types, each of which is available in 4", 6" and 8" diameter. All bells are fitted with series diodes for fault monitoring, and comply with BS800 in respect of

radio interference. All are easy to install, with a multifixing base for the motorised bell. The solenoid bell features clip-together components, and no back box is required for surface mounting, thus saving on installation cost.

Model	4" Motorised	6" Motorised	8" Motorised	6" Solenoid	6" Solenoid (weatherproof)
Part no	23905 - H01	23905 - H02	23905 - H03	23905 - H04	23905 - K005
Dimensions	102mm dia x 63mm deep	152mm dia x 63mm deep	203mm dia x 63mm deep	152mm dia x 85mm deep	152mm dia x 85mm deep
Voltage range	18 – 30v DC				
Normal voltage	24v DC				
Nominal current	20mA	25mA	28mA	30mA	30mA
Nominal output (dBA at 1 metre)	84	93/95	95/97	93/95	93/95
Operating temperature	-10°C to +55°C				
Ingress protection	IP40	IP40	IP40	IP40	IP40
Colour	Red gong, black base				
Weight	0.48kg	1.05kg	1.88kg	1.1kg	1.1kg
Terminals	2 in 2 out				

Explosion proof bell:

24v DC, 0.8A, 93dBA for Zone 1 use, EExd II BT5, Weight 11 kg, paint finish grey.

Part no 29308-K003

Intrinsically safe sounder:

24v DC, 1.4mA, 100dBA, Eexia, T4 for zone 0 use.

Part no 23908 - K004

Gasket to provide increased protection to weatherproof for standard 6" and 8" solenoid bells.

Part no 23905 - K001



Kidde Fire Protection

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