



\ Internal Sounders \





# UNDERSTANDING INTERNAL SOUNDERS

## WHAT ARE INTERNAL SOUNDERS & SPEAKERS?

Internal sounders and speakers are devices used to provide local audible and/or visual alerts for system activation on intruder alarm systems within the building premises.

### 1. SOUNDER TYPE: SPEAKER OR PIEZO



**SPEAKERS:** Allow for entry/exit tones and alarm sounds, typically installed at building entrances and exits.



**PIEZO SOUNDERS:** Provide an audible alert when activated, fitted throughout protected areas to provide an alert of system activation.

### 2. VISUAL INDICATORS

CQR provide visual indication for a number of uses:



**INDICATOR:** The indicator shows a number of conditions of the device or system, including whether the device is in tamper, hold-off, or has a battery issue.

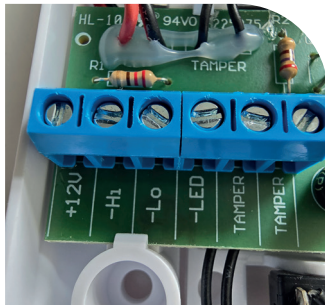


**VISUAL ALERT:** Internal sounders and speakers fitted with visual alerts provide a visible indication of activation, e.g., strobe or flashing LEDs.



# UNDERSTANDING INTERNAL SOUNDERS

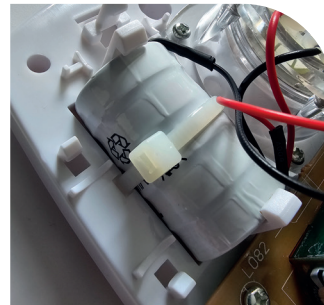
## 3. SOUND LEVELS



### SOUNDER OUTPUT LEVELS:

Internal sounders are available in alternating or a single tone with option for high or low sound output. Speaker sound levels are generate by the control panel.

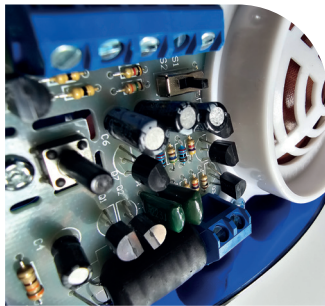
## 4. BATTERY BACK UP



### BATTERY BACK-UP:

The Intra internal/ external sounder has a built-in battery back-up, allowing it to function without primary power — ideal for apartments and houses of multiple occupancy.

## 5. TAMPER PROTECTION



### COVER TAMPER:

The cover tamper detects unauthorised access via the product cover and can alert the control panel.



### BACK TAMPER:

The back tamper detects removal from the mounting surface and can alert the control panel.



TYPE	ECO SOUNDERS		ALTO			SOINT			PICCOLO		INTRA	
ITEM	SOSB1L	SOSB2L	SO/ALTO/WH/G	SO/ALTO/WH/G/S5	SOSP/ALTO/WH/G	SOINT1/16/WH	SOINT2/WH	SOINT2/WH/HI-LO	SO/PICCOLO/WB/G3	SO/PICCOLO/WR/G3	BCINTRA/W/B	BCINTRA/W/R
PRICE	££		££			££	£££		££		£££	
SECURITY GRADE	1		3			3			3		2	
ENVIRONMENTAL CLASS	II		II			II			II		IV	
SOUNDER TYPE	2 x Piezo	4 x Piezo	Quasi Dynamic Speaker	Quasi Dynamic Piezo	Quasi Dynamic Piezo & Speaker	Mylar Cone Speaker	Electronic/ Mylar Cone Speaker		1 x Quasi Dynamic Piezo		1 x Piezo	
SOUND LEVELS	109dB(A)	111dB(A)	N/A	110dB(A)		N/A	110dB(A)	90 & 110dB(A)	112dB(A)		115dB(A)	
VOLTAGE RANGE	6-15Vdc		9-15Vdc			N/A	10-15Vdc		9-15Vdc		10.5-15Vdc	
CURRENT	85mA	190mA	107mA			N/A	300mA		110mA		320mA	
VISUAL INDICATOR	No		No	No		No	Yes		Yes		Yes	
TAMPER PROTECTION	None		Lid & RFMS			Lid & RFMS			Lid & RFMS		Lid & RFMS	
BATTERY BACK UP	No		No			No			No		Yes	
SELECTABLE TONE	No		N/A	Yes		N/A	Yes		Yes		No	
SELECTABLE SOUNDER OUTPUT	No		N/A	No		No	Yes		No		No	
COLOUR	White		White			White			White/Blue	White/Red	White/Blue	White/Clear
IDEAL FOR	Discreet Locations		Domestic, Commercial			Retail, Supermarkets			Warehouses & Retail Stores		HMO's/Apartments	

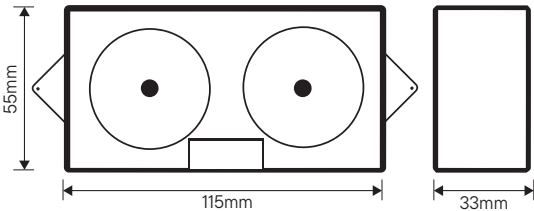


# INTERNAL SOUNDERS - Economy Range



Scan the QR code to see the product spacing data

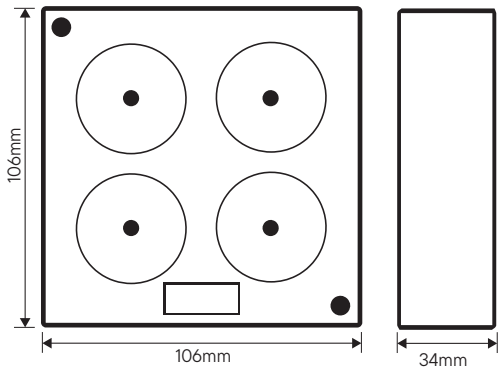
ECONOMY SOUNDER:  
109dB(A) VERSION  
SOSB1L



## PRODUCT DESCRIPTION

- Grade 1 Economy Sounders
- SOSB Basic Sounders available as 109dB(A) (SOSB1) & 110dB(A) (SOSB2)
- Low current consumption
- Economy range of basic sounders for simple applications

ECONOMY SOUNDER:  
110dB(A) VERSION  
SOSB2L



## PRODUCT SPECIFICATION

SECURITY GRADE	1
ENVIRONMENTAL CLASS	II
SOUNDER TYPE	Piezo
SOUND OUTPUT	109dB(A) (SOSB1) 110dB(A) (SOSB2)
VOLTAGE RANGE	6 to 15Vdc
NOMINAL VOLTAGE	12Vdc
SOUND ONLY CURRENT	85mA (SOSB1) 190mA (SOSB2)
DIMENSIONS	115 x 55 x 33mm (SOSB1) 106 x 106 x 34mm (SOSB2)
COLOUR	White
MATERIAL	ABS Plastic
IP RATING	3X
TEMPERATURE RANGE	-10°C to +40°C
TAMPER PROTECTION	None
STANDARDS	EN50131-1, EN50131-4, EN50130-5
WARRANTY	2 Years

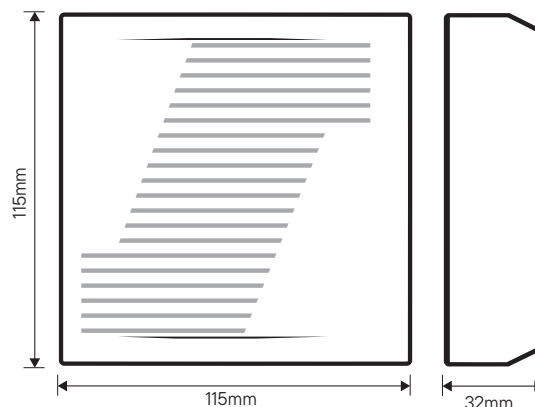
PRODUCT CODE	PRODUCT DESCRIPTION
SOSB1L	CQR Internal Entry Level Sounder Grade 1 109dB(A) White
SOSB2L	CQR Internal Entry Level Sounder Grade 1 110dB(A) White



# INTERNAL SOUNDERS & SPEAKERS - Alto



Scan the QR code to see  
the product spacing data



## PRODUCT DESCRIPTION

- Grade 3 Low Profile Sounder / Speaker & Combined Unit
- Available as a dedicated sounder, speaker or Selectable Sounder/Speaker (SOSP only)
- Alto Sounder 110dB(A) Sound Output
- Selectable alternating or continuous tone
- Low current consumption
- Tamper protected lid and RFMS
- Extension speaker ideal for giving an audible signal on the alarm system status; Setting, Unsetting, Alarm activated
- Quasi dynamic Piezo speaker: does not require any 12Vdc power source
- High impedance allowing multiple speakers to be used
- Available with SYSTEM 5 third party approval\*

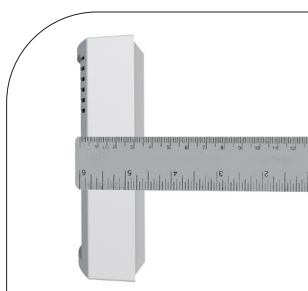
## PRODUCT SPECIFICATION

SECURITY GRADE	3
ENVIRONMENTAL CLASS	II
SOUNDER TYPE	Quasi Dynamic Piezo
SOUND OUTPUT	110dB(A)
VOLTAGE RANGE	9 to 15Vdc
NOMINAL VOLTAGE	12Vdc
SOUND ONLY CURRENT	107mA
DIMENSIONS	115 x 115 x 32mm
COLOUR	White
MATERIAL	ABS Plastic
IP RATING	4X
TEMPERATURE RANGE	-10°C to +40°C
TAMPER PROTECTION	Lid and RFMS
STANDARDS	EN50131-1, EN50131-4, EN50130-5
WARRANTY	2 Years

SOSP UNIT SWITCH



LOW PROFILE



PRODUCT CODE	PRODUCT DESCRIPTION
SO/ALTO/WH/G	CQR Internal Alto Sounder Grade 3 110dB(A) White
SO/ALTO/WH/G/S5*	CQR Internal Alto Sounder System 5 Approved Grade 3 110dB(A) White
SOSP/ALTO/WH/G	CQR Internal Alto Sounder & Speaker Grade 3 110dB(A) White

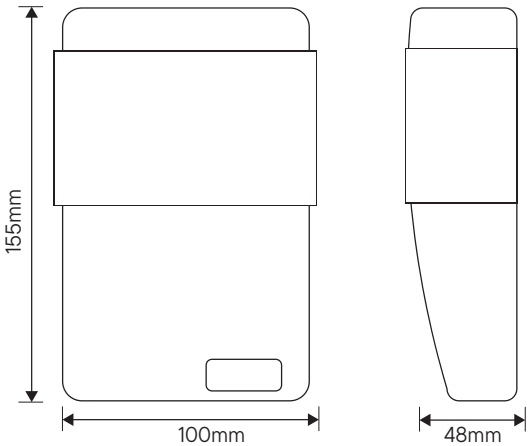




# INTERNAL SOUNDERS & SPEAKERS - Soint 1 & 2



Scan the QR code to see the product spacing data



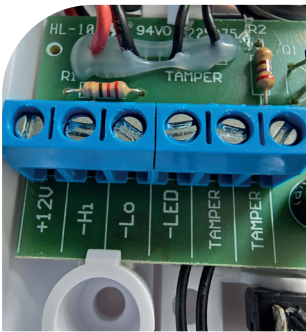
## PRODUCT DESCRIPTION

- Grade 3 Premium Sounder or Speaker Unit
- Soint 1 16 ohm speaker with robust Mylar cone speaker ideal for harsher environments, available screen printed with installer brand
- Soint 2 sounder with LED status notification built in 110dB(A)
- Soint 2 Hi-Lo sounder with selectable 110dB(A) alarm & 90dB(A) low mode for providing entry and exit tones
- Premium sounder or speaker units for commercial and domestic

## PRODUCT SPECIFICATION

SECURITY GRADE	2
ENVIRONMENTAL CLASS	II
SOUNDER TYPE	Mylar Cone Speaker
SOUND OUTPUT	90 to 110dB(A) (SOINT 2 ONLY)
VOLTAGE RANGE	10 to 15Vdc (SOINT 2 ONLY)
NOMINAL VOLTAGE	12Vdc (SOINT 2 ONLY)
SOUND ONLY CURRENT	300mA (SOINT 2 ONLY)
DIMENSIONS	155 x 100 x 48mm
COLOUR	White
MATERIAL	ABS Plastic
IP RATING	4X
TEMPERATURE RANGE	-10°C to +40°C
TAMPER PROTECTION	Lid and RFMS
STANDARDS	EN50131-1, EN50131-4, EN50130-5
WARRANTY	2 Years

### SOUNDER LEVEL OUTPUTS



### LED STATUS INDICATOR



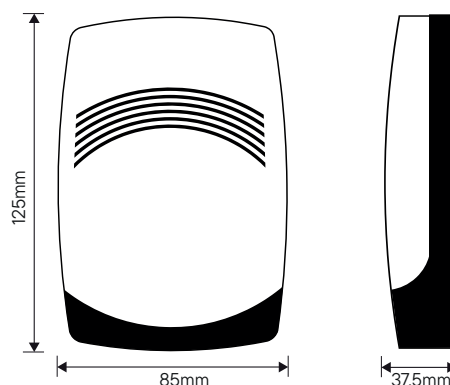
PRODUCT CODE	PRODUCT DESCRIPTION
SOINT1/16/WH	CQR Internal Soint 1 Speaker Grade 3 16 Ohm White
SOINT2/WH	CQR Internal Soint 2 Sounder Grade 3 110dB(A) White
SOINT2/WH/HI-LO	CQR Internal Soint 2 Sounder Grade 3 Hi 110dB(A) / Lo 90dB(A) White



# INTERNAL STROBE SOUNDER - Piccolo



Scan the QR code to see the product spacing data



## PRODUCT DESCRIPTION

- Grade 3 Low profile internal strobe and sounder
- 112dB(A) Sound Output
- Available in White/Blue and White/Red colours
- Selectable alternating or continuous tone
- Flashing alarm and/or low level constant light
- Tamper protected lid and RFMS
- Available with SYSTEM 5 third party approval\*

**PICCOLO RED:**  
SO/PICCOLO/WR/G3



## PRODUCT SPECIFICATION

SECURITY GRADE	3
ENVIRONMENTAL CLASS	II
SOUNDER TYPE	Quasi Dynamic Piezo
SOUND OUTPUT	112dB(A)
VOLTAGE RANGE	9-15Vdc
NOMINAL VOLTAGE	12Vdc
FLASH ONLY CURRENT	17mA
SOUND ONLY CURRENT	84mA
SOUND & FLASH CURRENT	110mA
DIMENSIONS	125 x 85 x 37.5mm
COLOUR	White
MATERIAL	Polycarbonate
LENS COLOUR	Blue or Red
LENS MATERIAL	Polycarbonate
IP RATING	4X
TEMPERATURE RANGE	-10°C to +40°C
TAMPER PROTECTION	Lid & RFMS
STANDARDS	EN50131-1, EN50131-4, EN50130-5
WARRANTY	2 Years

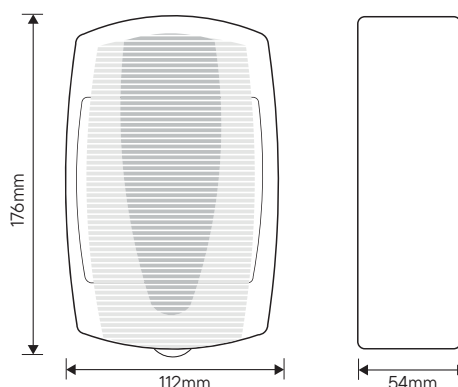
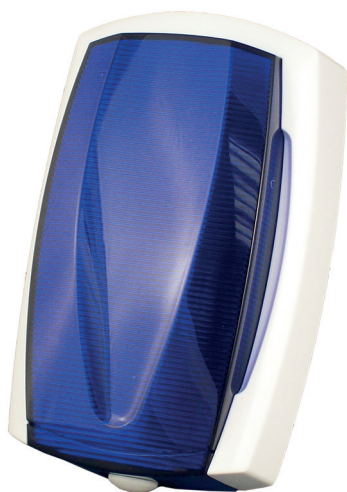
PRODUCT CODE	PRODUCT DESCRIPTION
SO/PICCOLO/WB/G3	CQR Internal Piccolo Strobe Sounder, Grade 3, 112dB(A), White/Blue
SO/PICCOLO/WB/G3/S5*	CQR Internal Piccolo Strobe Sounder, System 5, Grade 3, 112dB(A), White/Blue
SO/PICCOLO/WR/G3	CQR Internal Piccolo Strobe Sounder, Grade 3, 112dB(A), White/Red



## INTERNAL & EXTERNAL SOUNDER – Intra



Scan the QR code to see  
the product spacing data



### PRODUCT DESCRIPTION

- Grade 2 Low profile external sounder and strobe
- Ideal for apartment blocks and HMO units
- Suitable for use both internally and externally
- Available in White/Blue and White/Clear colours
- 6V rechargeable battery fitted & SAB operation with a 15 minute fail safe timer
- 115 dB(A) sounder output
- Tamper protected by means of lid removal and removal from mounting surface

**INTRA WHITE  
WITH CLEAR LENS:  
BCINTRA/W/C**



PRODUCT CODE	PRODUCT DESCRIPTION
BCINTRA/W/B	CQR External Sounder Intra, Grade 2, White with Blue Lens, 115dB(A)
BCINTRA/W/C	CQR External Sounder Intra, Grade 2, White with Clear Lens, 115dB(A)

### PRODUCT SPECIFICATION

SECURITY GRADE	3
ENVIRONMENTAL CLASS	IV
SOUNDER TYPE	Piezo
SOUND OUTPUT	115dB(A)
NUMBER OF SOUNDERS	1
VOLTAGE RANGE	10.5-15Vdc
NOMINAL VOLTAGE	12Vdc
FLASH ONLY CURRENT	120mA
SOUND ONLY CURRENT	200mA
SOUND & FLASH CURRENT	320mA
QUIESCENT CURRENT	30mA
VISUAL INDICATION	Xeon Flash
SIREN TIMER	15 minutes
SAB/SCB	SAB
TRIGGER WIRE MONITORING	No
BATTERY	6V 280mAh Ni-Mh
COMFORT LEDS	Red Hold Off LED
BACKLIT	No
ENGINEER HOLD OFF	No
DIMENSIONS	176 x 112 x 54mm
COLOUR	White
MATERIAL	Polycarbonate
LENS COLOUR	Blue or Clear
LENS MATERIAL	Polycarbonate
IP RATING	32
TEMPERATURE RANGE	-25°C to +60°C
TAMPER PROTECTION	Lid & RFMS
STANDARDS	EN50131-1, EN50131-4, EN50130-5
WARRANTY	2 Years







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