

## ANALOGUE SOUNDERS



**CHQ-WS2**  
(shown with Weather Proofing Kit  
and YBO-R/3(RED) Base)

Model CHQ-WS2 is an addressable loop powered Wall Sounder designed to give a variety of tones and outputs with low current consumption. It is used in conjunction with either the YBO-R/3(RED) Standard Base or the YBO-R/SCI(RED) Isolator Base. Also incorporates an auto shutdown mode\* allowing the user to set a fixed time within which the sounder will operate, before automatically silencing itself, minimising noise pollution. The sounder is also available in white, CHQ-WS2(WHT).

The CHQ-WS2 is designed for internal use, but with the addition of the **WS2-WPK Weatherproofing Kit**, can be used externally. The kit which includes a back box and gaskets increases the Ingress Protection rating to IP65.

- ▶ Single Loop Address - addressed by the TCH-B100 Hand Held Programmer
- ▶ Variable sound output 90 ~ 102dB(A) @ 1m (±2dB(A))
- ▶ Selection of 51 tones\* (8 tones EN54-3 compatible)
- ▶ Auto-shutdown Mode\*



Model YBO-BS is an addressable loop powered Sounder Base and the YBO-BSB is an addressable loop powered Sounder Base with integral Beacon. Both allow solid state addressing automatically by the control panel or remotely by using the TCH-B100 Hand Held Programmer. Mounted using either the YBN-R/3 Standard Base or the YBO-R/SCI Isolator Base (from Batch Number 6044) either model can be fitted with any of the ESP Sensor or Beacon/Indicator ranges. Both models also available in white.

- ▶ Single Loop Address
- ▶ Variable sound output 50 - 98dB(A) @ 1m (±2dB(A))
- ▶ Selection of 51 tones\* (8 tones EN54-3 compatible)
- ▶ Optional cover available
- ▶ Independent control of Sounder and Beacon with YBO-BSB\*
- ▶ Auto-shutdown Mode available on both models. Can be set independently for sounder or beacon with YBO-BSB\*

*\*Dependent on control panel compatibility.*

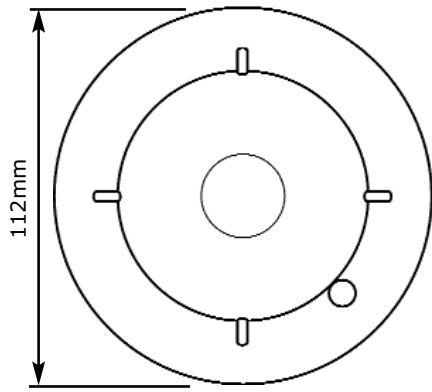


**YBO-BS**  
(shown with ALG-E Photoelectric Smoke Sensor)

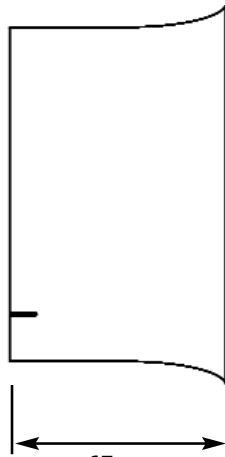


**YBO-BSB**  
(shown with ACA-E Multi Sensor)

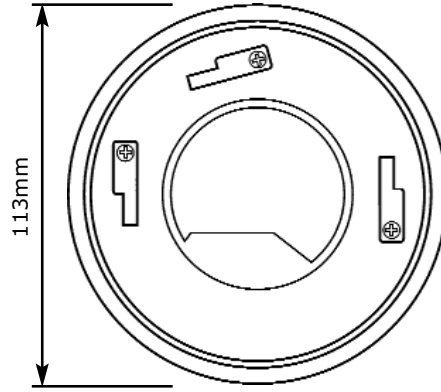
## DIMENSIONS



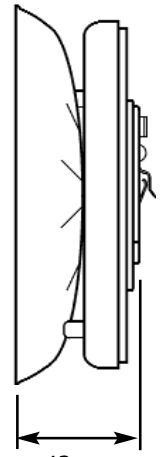
CHQ-WS2



67mm



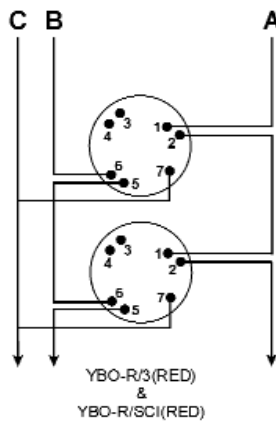
YBO-BS & YBO-BSB



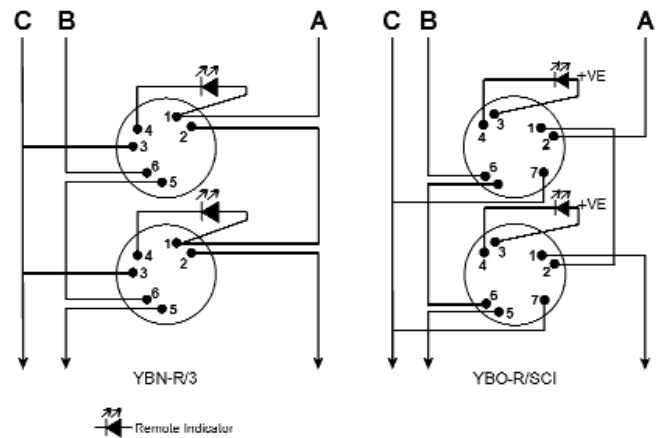
43mm

## WIRING

KEY: A Loop +ve, B Loop -ve, C Cable Screen



CHQ-WS2



YBO-BS & YBO-BSB

## SPECIFICATIONS

Ordering Codes	CHQ-WS2 CHQ-WS2(WHT) WS2-WPK (Weatherproofing Kit)
Operating Voltage	17 ~ 41Vd.c.
Low Power Mode (typ)	40µA
Quiescent Current (typ)	150µA (with YBO-R/3(RED)) 200µA (with YBO-R/SCI(RED))
Alarm Current (typ)	2mA (90dB(A) @ 1m) ~ 8mA (102dB(A) @ 1m)
Sound Output (at 1 metre)	90 ~ 102dB(A) (±2dB(A)) @ 24Vd.c. or above (EN54-3 compatible)
Tone Frequency Range	300Hz ~ 2850Hz
Operating Temperature Range	-10°C to +50°C
Storage Temperature Range	-30°C to +70°C
Maximum Humidity	95%RH - Non Condensing (at 40°C)
Colour / Case Material	Red or White / PC ABS
Ingress Protection Rating	IP21 IP65 with WS2-WPK
Weight (g)	130
Compatible Bases	YBO-R/3(RED), YBO-R/3(WHT) YBO-R/SCI(RED), YBO-R/SCI(WHT)
Base Fixing Centres (mm)	48 ~ 74
Approvals	LPCB VdS - G206115

Ordering Codes	YBO-BS YBO-BS(WHT) SI/CAP (Cap)
Operating Voltage	17 ~ 41Vd.c.
Low Power Mode (typ)	40µA
Quiescent Current (typ)	150µA
Alarm Current (typ)	0.8mA (50dB(A) @ 1m) ~ 16mA (98dB(A) @ 1m)
Sound Output (at 1 metre)	50 ~ 98dB(A) (±2dB(A)) @ 24Vd.c. or above (EN54-3 compatible)
Tone Frequency Range	300Hz ~ 2850Hz
Operating Temperature Range	-10°C to +50°C
Storage Temperature Range	-30°C to +70°C
Maximum Humidity	95%RH - Non Condensing (at 40°C)
Ingress Protection Rating	IP21
Colour / Case Material	Ivory or White / PC+PS+GF5
Weight (g)	112
Compatible Bases	YBN-R/3 YBO-R/SCI*
Base Fixing Centres (mm)	48 ~ 74
Approvals	LPCB VdS - G206114 (* from batch number 6044)

Ordering Codes	YBO-BSB YBO-BSB(WHT) SI/CAP (Cap)
Operating Voltage	17 ~ 41Vd.c.
Low Power Mode (typ)	110µA
Quiescent Current (typ)	250µA
Alarm Current (typ)	0.8mA (50dB(A) @ 1m) ~ 16mA (98dB(A) @ 1m)* <sup>1</sup>
Sound Output (at 1 metre)	50 ~ 98dB(A) (±2dB(A)) @ 24Vd.c. or above (EN54-3 compatible)
Tone Frequency Range	300Hz ~ 2850Hz
Operating Temperature Range	-10°C to +50°C
Storage Temperature Range	-30°C to +70°C
Maximum Humidity	95%RH - Non Condensing (at 40°C)
Ingress Protection Rating	IP21
Colour / Case Material	Ivory or White / PC+PS+GF5
Lens Material	Translucent PC
Weight (g)	160
Compatible Bases	YBN-R/3 YBO-R/SCI* <sup>2</sup>
Base Fixing Centres (mm)	48 ~ 74 (* <sup>1</sup> add 5mA when beacon is activated) (* <sup>2</sup> from batch number 6044)

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Quality System  
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Assessed to ISO9001



Environmental Management System  
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