



Clifford & Snell

# Yodalarm YA80 Super

Multi-Purpose Audible Signalling  
Device designed for use in  
Industrial & Marine Applications with  
High Ambient Background Noise

## PRODUCT FEATURES

- Max sound output 120 dB(A) @ 1m
- IP66 rated as standard
- 32 selectable tones meeting international regulations
- Flame retardant ABS enclosure
- Stainless steel fixings
- 2 stage alarm
- Independently selectable second stage



## Product Approvals



Marine Equipment Directive MED  
Compliant



Compliant



Merchant Shipping (Marine Equipment)  
Regulations EN 54-3:2014 incl. A1:2019,  
IEC 60092-504:2016 IEC 60533:2015  
Module B (BSI/UK/3.53/738807)  
Module D (BSI/MED/UK/738808)



BS EN 54-3 : 2001 + A1:2002 + A2:2006  
Type B



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Type B



Compliant

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# TECHNICAL DATA

### Ambient Conditions

Operating Temperatures	
Standard General	-35 °C to +70 °C
EN54 Pt:3 Fire	-25 °C to +55 °C
Storage Temperature	-40 °C to +70 °C
Max. Relative Humidity	93% ± 3 at 40 °C

### Electrical Data

Operating Voltage	Current Draw
24vDC ---	500mA at Tone 1
48vDC ---	300mA
115vAC ~	200mA
230vAC ~	130mA

### Mechanical Data

Enclosure Material	ABS FR UL94 5VB
External Fixings	Stainless Steel
Degree of Protection	IP66 (IEC60529)

### Acoustic Data

Maximum Volume Output	120dB (A)
2 Stage Alarm with Independently Selectable tones via DIL Switch	

### Mounting / Installation

Devices should be mounted to a suitable flat wall or bulkhead avoiding any undue vibration and using the two lugs projecting from the case. The lugs are bored 10mm on 250mm centres. The minimum length of fixing screw required is 30mm. To maintain the IP rating of the enclosure, the cable entries must be fitted with a suitably rated cable gland (included). Max cable termination 2.5mm<sup>2</sup>.

### Line Integrity on DC Systems

- For 3 wire 2 stage alarm system, monitor via reverse polarity.
- For 2 wire 2 stage alarm system, monitor via threshold, (applied voltage < 1v) an end-of-line (E.O.L) resistor is required for line monitoring and should have a minimum resistance of 3k3 Ohms and 0.5 Watts, wire-wound or metal film type.

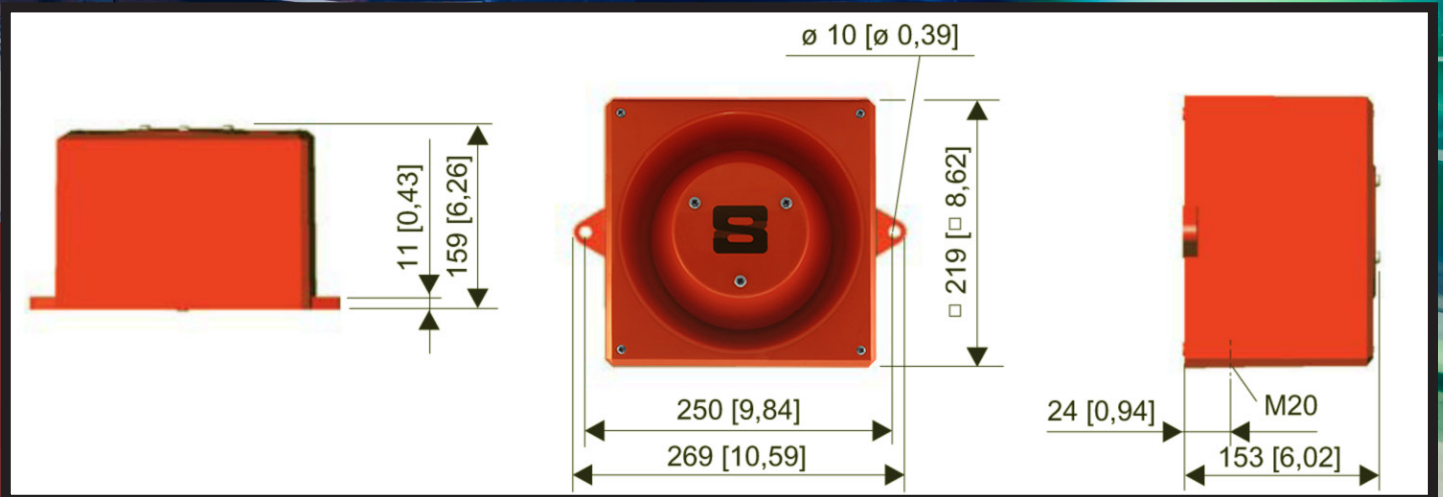
### Multi-Stage Alarm

The units are supplied with a 2 Stage Alarm option with Independently Selectable tones ( see tone table on the installation sheet for details) across all voltage options as standard.

### Dimensional Drawing

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.

All Dimensions in mm [inches] - Subject to alterations



# SELECTION

Version	Enclosure Colour	Rated Operational Voltage	Order number	Art. No.	Weight (kg)
YA80 Super Sounder BS EN 54 Pt:3 UKCA, CE & MED	Red Flame (RF) RAL 2002	24vDC ---	YA80/D/RF/SU/WR	204404	2.9
		48vDC ---	YA80/F/RF/SU/WR	204413	2.9
		115vAC ~	YA80/L/RF/SU/WR	204420	3.28
		230vAC ~	YA80/N/RF/SU/WR	204434	3.28