



Clifford & Snell®

# Yodalarm® YA80

Multi-Purpose Audible Signalling  
Device designed for use in Fire,  
Industrial & Marine applications

## PRODUCT FEATURES

- Max sound output 116 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
- Robust, reliable and simple to install



## Product Approvals

Marine Equipment Directive MED  
Regulations EN 54-3:2014 incl. A1:2019  
IEC 60092-504:2016 IEC 60533:2015  
Module B (BSI/MED/3.53/756093)  
Module D (BSI/MED/PC/756095)

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/UK/PC/738808)

EN 54-3 : 2001 + A1:2002 + A2:2006  
Type B  
2797-CPR-713892



BS EN 54-3 : 2001 + A1:2002 + A2:2006  
Type B  
0086-CPR-774029



BS EN 54-3 : 2001 + A1:2002 + A2:2006  
Type B  
KM 713890

Compliant



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# TECHNICAL DATA

### Electrical Data

Operating Voltage	Current Draw
24vDC ---	330mA at Tone 1
48vDC ---	300mA
115vAC ~	160mA
230vAC ~	100mA

### 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

### Mechanical Data

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

### Acoustic data

Maximum Volume Output	116dB (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.

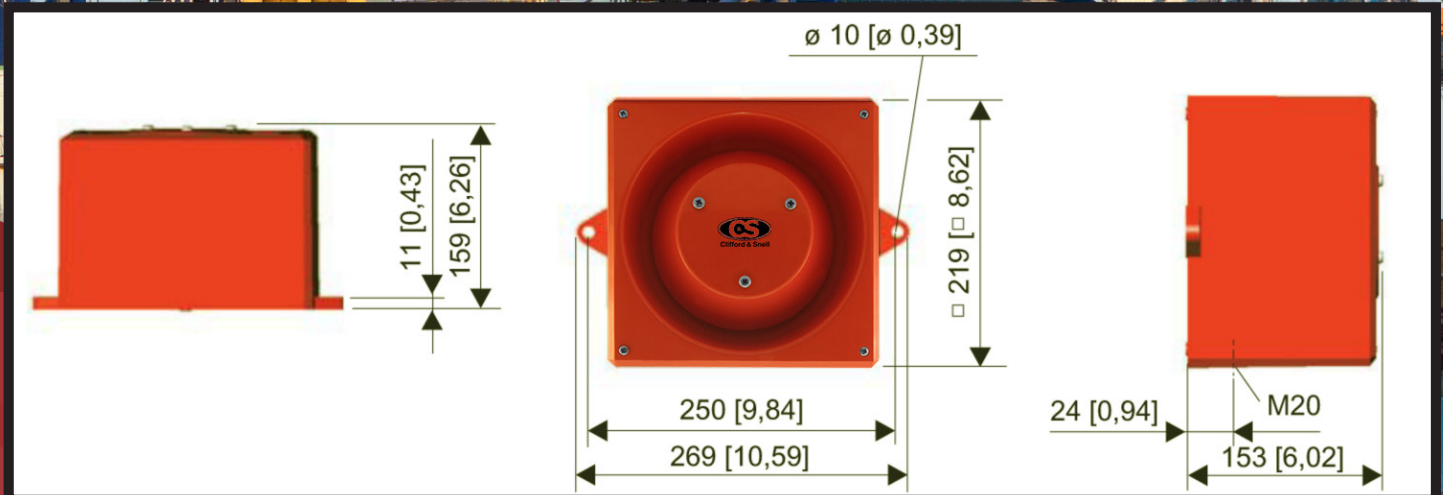
### Multi-Stage Alarm

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 Sounder BS EN 54-3 UKCA, CE, EU MED & UK MER	Red Flame (RF) RAL 2002	24vDC ---	YA80/D/RF/WR	204407	2.9
		48vDC ---	YA80/F/RF/WR	204414	2.9
		115vAC ~	YA80/L/RF/WR	204422	3.28
		230vAC ~	YA80/N/RF/WR	204436	3.28