



Clifford & Snell

# Yodalarm<sup>®</sup> YA30

Multi-purpose Audible Signalling Device designed for use in Fire, Commercial, Industrial & Marine applications.

## PRODUCT FEATURES

- Max sound output 105 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 (optional)
- Low current consumption
- 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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Issue 5

# TECHNICAL DATA

Electrical Data	
Operating Voltage	Current Draw
24vDC ---	40 mA at Tone 1
24/50vDC BT ---	40 mA
48vDC ---	40 mA
110vDC ---	25 mA
24vAC ~	100 mA
115vAC ~	30 mA
230vAC ~	20 mA
Operational Parameters	±10% of nominal

Acoustic Data	
Maximum Volume Output	105dB (A)
Volume Control Adjustment	-18 dB (A)
2 Stage Alarm with predetermined second stage as standard.	
Selectable second stage option available (DC units only)	

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)

**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 6mm on 102mm centres. The minimum length of fixing screw required is 25mm. 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.

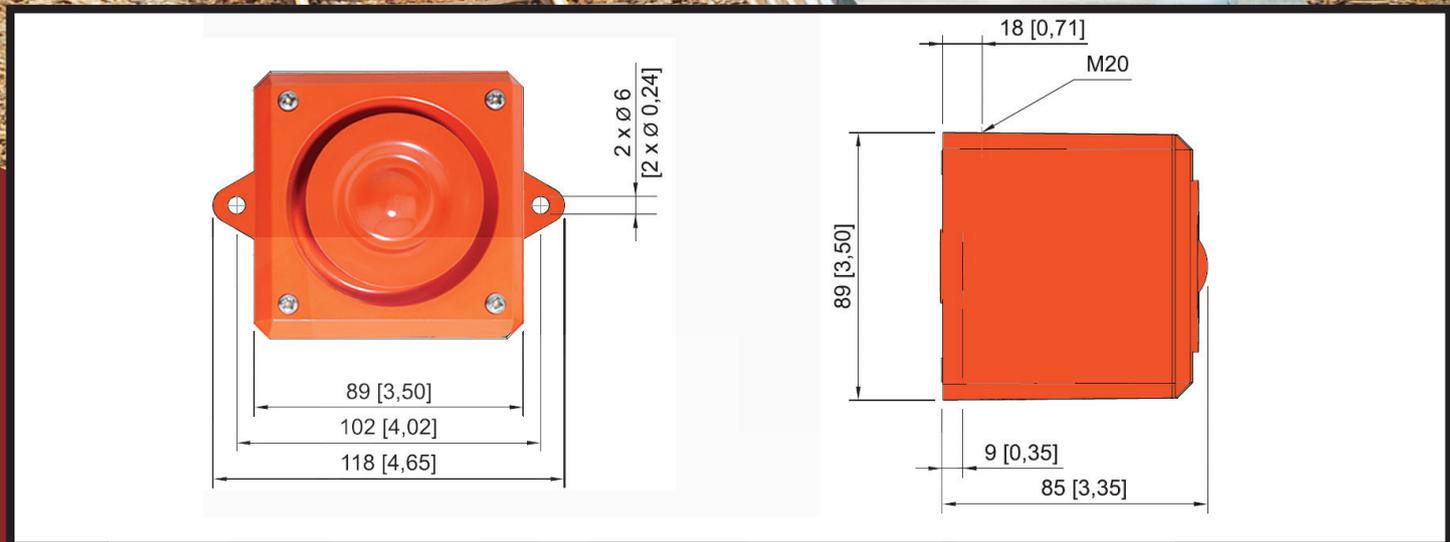
**Multi-Stage Alarm Options**

Standard units offer a 2 stage alarm system with a predetermined second stage (see Tone Table on the Installation Sheet for details) A selectable second stage option is available for DC units only with the (2) prefix code in the selection table on page 3.

**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

Product & Approval	Enclosure Colour	Rated Operational Voltage	Order Number	Art. No.	Weight (Kg)
YA30 Sounder BS EN 54-3 UKCA, CE, EU MED & UK MER	Red Flame (RF) RAL 2002	24vDC ---	YA30/D/RF/WR	204276	0.32
		24vDC --- Independently Selectable 2 <sup>nd</sup> Stage Version	YA30/D/RF/WR(2)	204278	0.32
		48vDC ---	YA30/F/RF/WR	204282	0.35
		24/50vDC BT ---	YA30/E/RF/WR	204279	0.35
		110vDC ---	YA30/H/RF/WR	204285	0.35
		115vAC ~	YA30/L/RF/WR	204289	0.39
		230vAC ~	YA30/N/RF/WR	204296	0.39
Network Rail 086/023556 Certificate PA05/07230 For Use on Level Crossings	Red Flame (RF) RAL 2002	24vDC RF2	Y03/RF2/24VDC/WR	204750	0.35
Network Rail 086/023553	Red Flame (RF) RAL 2002	24/50vDC BT	YA30/E/RF/WR	204279	0.35