

Yodalarm®

YA40

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



PRODUCT FEATURES

- Max sound output 108 dB(A) @ 1m
- IP65 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)



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



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



Compliant

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

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	IP65 (IEC60529)

Acoustic Data	
Maximum Volume Output	108dB (A)
Volume Control Adjustment	-18 dB (A)
2 Stage Alarm with predetermined second stage as standard.	
Selectable second stage option available (DC units only) (2)	

Mounting / Installation
For ease of installation the sounder cover is supplied loose from the mounting back box. The back box must be mounted with the two cable entries either at the top or the bottom. The back box should be mounted to a suitable flat wall, bulkhead or conduit box avoiding areas of undue vibration and using the internal fixing point options in the back box. Always use the mounting gasket supplied. The recommended fixing screws are 4.5mm Dia x 20mm Long. To maintain the IP rating of the enclosure the cable entries must be fitted with a suitably rated cable gland (Not Supplied). Max cable termination 2.5mm ² .

Line Integrity on DC Systems
<ul style="list-style-type: none"> 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.

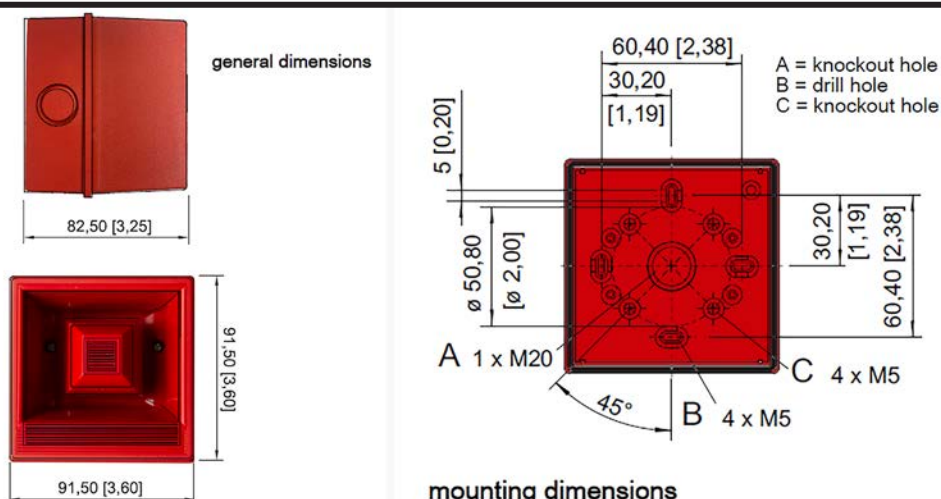
Multi-Stage Alarm Options

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



Version	Enclosure Colour	Rated Operational Voltage	Order Number	Art. No.	Weight (Kg)
YA40 Sunder BS EN 54-3 UKCA, CE, EU MED & UK MER	Red Normal (RN) RAL 3001	24vDC ---	YA40/D/RN/WR	204330	0.25
		24vDC ---	YA40/D/RN/WR(2)	204331	0.25
		48vDC ---	YA40/F/RN/WR	204347	0.25
		24vAC ~	YA40/I/RN/WR	245154	0.70
		115vAC ~	YA40/L/RN/WR	204354	0.81
		230vAC ~	YA40/N/RN/WR	204364	0.81
	White Normal (WN) RAL 9003	24vDC ---	YA40/D/WN/WR	204344	0.25
		24vDC ---	YA40/D/WN/WR(2)	245520	0.25
		48vDC ---	YA40/F/WN/WR	245521	0.25
		24vAC ~	YA40/I/WN/WR	245522	0.70
		115vAC ~	YA40/L/WN/WR	245175	0.81
		230vAC ~	YA40/N/WN/WR	204866	0.81