

Industrial Audible Signal - 100 dB (A)

Series YA30



- > Max sound output 100 db (A) / 1 m
- > IP65 rated as standard
- > 32 selectable tones meeting international regulations
- > Flame retardant ABS enclosure
- > Stainless steel fixings
- > 2 stage alarm
- > Sound selection via 5 way DIL switch
- > Complies with BS 5839
- > Low current consumption
- > Robust, reliable and simple to install



14575E00

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Yodalarm range
Compact, robust multi-purpose audible signalling device designed for use in industrial applications.

12

Approvals

Certificates	
	UL 464
	C22.2 No. 205-M1983
 0086-CPD-96705	BS EN 54-3 : 2001 incorporates amendment A 1 : 2002 + A 2 : 2006
 KM 91259	BS EN 54-3 : 2001 incorporates amendment A 1 : 2002 + A 2 : 2006
	VdS 2504 (12/96), VdS 2203 (03/01), VdS 2344 (12/05), Cert No. G28702 DIN EN 54, part 3 (10/01)

WebCode YA30A

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Selection Table

Version	Enclosure colour	Rated operational voltage	Order number	Art. no.	Weight
					kg
YA30 Sounder, BS EN 54-3, standard devices	red flame (RF)	24 V DC	YA30/D/RF/WR	204276	0.320
		115 V AC	YA30/L/RF/WR	204289	0.390
		230 V AC	YA30/N/RF/WR	204296	0.390
YA30 Sounder, UL certification	red flame (RF)	24 V DC	YA30/D/RF/UL	209640	0.320
		115 V AC	YA30/L/RF/UL	204301	0.390
		230 V AC	YA30/N/RF/UL	204302	0.390
YA30 Sounder, VDS certification	red flame (RF)	24 V DC	YA30/D/RF/WR/VDS	211126	0.320

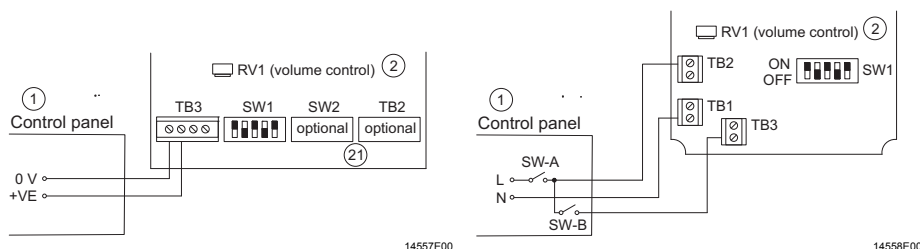
Note Other voltages and variants are available. Please contact your local sales office for more details

Technical Data

Electrical data

Rated operational voltage	standard: 12, 24 or 48 V DC 115 or 230 V AC $\pm 10\%$ 12 V DC versions will produce approx. 6 dB less output additional voltage options: combined 24 V DC and 48 V DC
Current consumption	24 V DC - 32 mA* 115 V AC - 25 mA* 230 V AC - 12 mA* *at tone 1 ** Voltages do not apply to multi stage unit
Line monitoring	line monitoring excludes additional voltage options: • 3 wire, 2 stage or 2 wire, single stage: monitor via reverse polarity • 2 wire, 2 stage i.e. bi-polar inputs: monitor via threshold (applied voltage < 1 V)

Schematic



DC Input

Legend

- 1 = External power supply, provided by user
- 2 = Volume control
- 21 = SW2 is optional for independent 2nd stage. TB2 is optional for 2nd set of terminal blocks.

Acoustic data

Volume	100 db (A) / 1 m volume control allowing 18 db (A) adjustment
Sound selection	via DIL switch Optional independent 2nd stage via second DIL switch (DC only)

Ambient conditions

Operating temperature range	- 25 ... + 55 °C
Storage temperature	- 40 ... + 70 °C
Max. relative humidity	90 % at 40 °C

Mechanical data

Material	
Enclosure	ABS, flame retardant
Assembly parts	stainless steel fixings
Degree of protection	IP 65 standard on all units

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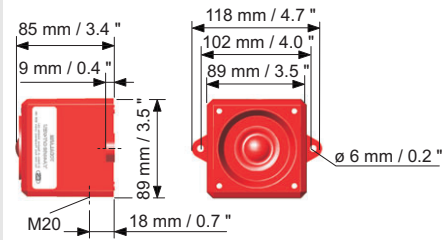
Technical Data

Assembly / Installation

Assembly

Should be mounted to a reasonably flat wall or bulkhead of suitable material using the lugs projecting from the side of the case. The lugs are bored 6 mm on 102 mm centres. The minimum recommended length of fixing screws is 25 mm. To maintain the integrity of the weather seal, the cable entry must be fitted using a suitable sealed gland.

Dimensional Drawings (All Dimensions in mm / inches) - Subject to Alterations



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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.