

# Industrial Audible Signal 116 dB (A) Series YA80



- > Max sound output 116 db (A) / 1 m
- > IP65 rated as standard
- > 32 selectable tones meeting international regulations
- > Flame retardant ABS enclosure
- > Stainless steel fixings
- > 2 stage alarm
- > Independently selectable second stage
- > Low current consumption
- > Robust, reliable and simple to install

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Yodalarm range  
High output multi-purpose audible signalling device designed for use in industrial applications.

### Explosion Protection

Certificates	  0086-CPR-96705  KM 91259 	UL 1638, UL 464  BS EN 54-3 : 2001 incorporates amendment A 1 : 2002 + A2: 2006  BS EN 54-3 : 2001 incorporates amendment A 1 : 2002 + A2: 2006  Marine Equipment Directive MED Module B BSI/MED/A.1/3.53/590299, Module D BSI/MED/PC/590302
Note	<p><b>Information for European users of the YL80 Super combination device:</b> The optical device/beacon cannot be used as part of a fire alarm system. Only the sounder has been certified to the relevant EN54 standard.</p>	

WebCode YA80A

# Industrial Audible Signal 116 dB (A)

## Series YA80



### Selection Table

Version	Enclosure colour	Rated operational voltage	Order number	Art. no.	Weight kg
YA80 Sounder, BS EN 54-3 + MED, standard devices	red flame (RF)	24 V DC	YA80/D/RF/WR	204407	2.900
		115 V AC	YA80/L/RF/WR	204422	3.280
		230 V AC	YA80/N/RF/WR	204436	3.280
YA80 Sounder, UL certification	red flame (RF)	24 V DC	YA80/D/RF/UL	204441	2.900
		115 V AC	YA80/L/RF/UL	204443	3.280
		230 V AC	YA80/N/RF/UL	204444	3.280

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

### Technical Data

#### Electrical data

Rated operational voltage	24 or 48 V DC 115 or 230 V AC	
Current consumption	24 V DC	309 mA
	115 V AC	118 mA
	230 V AC	59 mA
	at tone 1	
Operational parameters	+ or - 10% of nominal	
Line monitoring	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)	

#### Acoustic data

Volume	max. 116 dB (A)
Sound stages	2, independently selectable tones
Sound selection	via DIL switch

#### Ambient conditions

Operating temperature range	Standard variants:	-25 ... +55 °C
	UL certified variants:	-35 ... +66 °C
Storage temperature	-40 ... +70 °C	
Max. relative humidity	93% ± 3 at 40 °C	

#### Mechanical data

Material	
Enclosure	flame retardant ABS
Assembly parts	stainless steel fixings
Labels	polyester foil, adhesive
Degree of protection	IP65 (IEC60529)

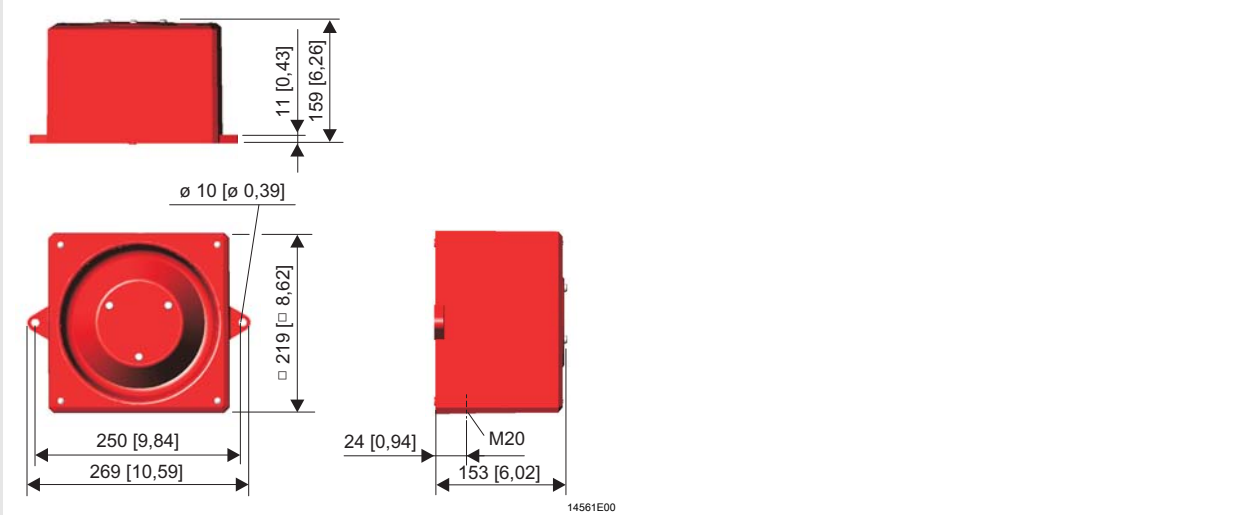
#### Mounting / Installation

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 10 mm on 250 mm centres. The minimum recommended length of fixing screws is 30 mm. To maintain the integrity of the weather seal, the cable entry must be fitted using a suitable sealed gland.
Connection	V DC variants separate input and output 2,5mm <sup>2</sup> terminals V AC variants 2,5mm <sup>2</sup> terminals

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## Dimensional Drawings (All Dimensions in mm [inches]) - Subject to Alterations



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.

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