

**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

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14575E00

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

**Approvals**

| Certificates       |  |
|--------------------|--|
|                    | UL 464   |
|                    | C22.2 No. 205-M1983  |
| <br>0086-CPD-96705 | BS EN 54-3 : 2001 incorporates amendment A 1 : 2002 + A 2 : 2006                                   |
| <br>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<br>DIN EN 54, part 3 (10/01) |

**WebCode YA30A**

# Industrial Audible Signal - 100 dB (A)

## Series YA30



### Selection Table

| Version                                    | Enclosure colour | Rated operational voltage | Order number     | Art. no. | Weight |
|--|------------------|---------------------------|------------------|----------|--------|
| 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  |

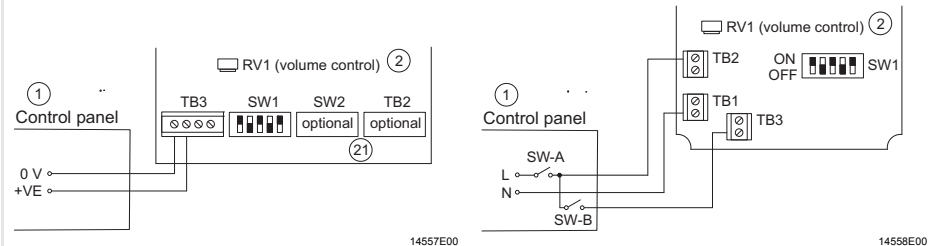
Note Other voltages and variants are available. Please contact your local sales office for more details

### Technical Data

#### Electrical data

|                           |  |
|---------------------------|--|
| Rated operational voltage | standard: 12, 24 or 48 V DC<br>115 or 230 V AC $\pm 10\%$<br>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*<br>115 V AC - 25 mA*<br>230 V AC - 12 mA*<br>*at tone 1<br>** Voltages do not apply to multi stage unit   |
| Line monitoring           | line monitoring excludes additional voltage options:<br>• 3 wire, 2 stage or 2 wire, single stage: monitor via reverse polarity<br>• 2 wire, 2 stage i.e. bi-polar inputs: monitor via threshold (applied voltage < 1 V) |

#### Schematic



#### DC Input

#### AC 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<br>volume control allowing 18 db (A) adjustment                 |
| Sound selection | via DIL switch<br>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 |

# Industrial Audible Signal - 100 dB (A) Series YA30



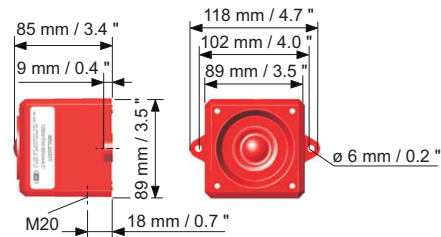
## Technical Data

### 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



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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