

# Industrial Combination Signal - 106 dB (A) / 5 Joule

## Series YL40



- > Max sound output 106 dB (A) / 1 m
- > IP65 rated as standard
- > Strobe available in 2.5 and 5 Joules
- > 32 selectable tones meeting international regulations
- > Flame retardant ABS enclosure
- > Stainless steel fixings
- > 2 stage alarm
- > Lens available in six different colours
- > Complies with BS 5839
- > Low current consumption



14670E00

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**Yodalight range**  
Compact multi-purpose audible and visual signalling device designed for use in industrial applications.

### Approvals

#### Certificates



UL 1638, UL 464



0086-CPD-96705

BS EN 54-3 : 2001 incorporates amendment A 1 : 2002 + A2 : 2006



KM 91259

BS EN 54-3 : 2001 incorporates amendment A 1 : 2002 + A2 : 2006



DIN EN 54, part 3 (10/01),  
VdS 2504 (12/96), VdS 2203 (03/01), VdS 2344 (12/05),  
Cert No. G28702, 2301/07/01 : G28714  
VdS approval applies to selected models only. Contact sales for details.

**WebCode YL40A**

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**Selection Table**

| Version                                                       | Enclosure colour | Flash energy | Rated operational voltage | Lens colour | Order number         | Art. no. | Weight<br>kg |
|---------------------------------------------------------------|------------------|--------------|---------------------------|-------------|----------------------|----------|--------------|
| YL40 Sounder/Strobe combination, BS EN 54-3, standard devices | red normal (RN)  | 5 Joule      | 24 V DC                   | amber       | YL40/D50/A/RN/WR     | 204507   | 0.510        |
|                                                               |                  |              |                           | red         | YL40/D50/R/RN/WR     | 204540   | 0.510        |
|                                                               |                  |              |                           | green       | YL40/D50/G/RN/WR     | 211992   | 0.510        |
|                                                               |                  |              |                           | opal        | YL40/D50/O/RN/WR     | 204527   | 0.510        |
|                                                               |                  |              |                           | blue        | YL40/D50/B/RN/WR     | 204518   | 0.510        |
|                                                               |                  |              |                           | clear       | YL40/D50/C/RN/WR     | 211993   | 0.510        |
|                                                               |                  |              | 115 V AC                  | amber       | YL40/L50/A/RN/WR     | 204552   | 0.570        |
|                                                               |                  |              |                           | red         | YL40/L50/R/RN/WR     | 204562   | 0.570        |
|                                                               |                  |              |                           | green       | YL40/L50/G/RN/WR     | 204557   | 0.570        |
|                                                               |                  |              |                           | opal        | YL40/L50/O/RN/WR     | 211994   | 0.570        |
|                                                               |                  |              |                           | blue        | YL40/L50/B/RN/WR     | 211995   | 0.570        |
|                                                               |                  |              |                           | clear       | YL40/L50/C/RN/WR     | 211996   | 0.570        |
|                                                               |                  |              | 230 V AC                  | amber       | YL40/N50/A/RN/WR     | 204570   | 0.570        |
|                                                               |                  |              |                           | red         | YL40/N50/R/RN/WR     | 204588   | 0.570        |
|                                                               |                  |              |                           | green       | YL40/N50/G/RN/WR     | 211997   | 0.570        |
|                                                               |                  |              |                           | opal        | YL40/N50/O/RN/WR     | 211998   | 0.570        |
|                                                               |                  |              |                           | blue        | YL40/N50/B/RN/WR     | 211999   | 0.570        |
|                                                               |                  |              |                           | clear       | YL40/N50/C/RN/WR     | 212000   | 0.570        |
| YL40 Sounder/Strobe combination, UL certification             | red normal (RN)  | 5 Joule      | 24 V DC                   | amber       | YL40/D50/A/RN/UL     | 204595   | 0.510        |
|                                                               |                  |              |                           | red         | YL40/D50/R/RN/UL     | 204599   | 0.510        |
|                                                               |                  |              |                           | green       | YL40/D50/G/RN/UL     | 212001   | 0.510        |
|                                                               |                  |              |                           | opal        | YL40/D50/O/RN/UL     | 212002   | 0.510        |
|                                                               |                  |              |                           | blue        | YL40/D50/B/RN/UL     | 212003   | 0.510        |
|                                                               |                  |              |                           | clear       | YL40/D50/C/RN/UL     | 212004   | 0.510        |
|                                                               |                  |              | 115 V AC                  | amber       | YL40/L50/A/RN/UL     | 204600   | 0.570        |
|                                                               |                  |              |                           | red         | YL40/L50/R/RN/UL     | 204788   | 0.570        |
|                                                               |                  |              |                           | green       | YL40/L50/G/RN/UL     | 212005   | 0.570        |
|                                                               |                  |              |                           | opal        | YL40/L50/O/RN/UL     | 212006   | 0.570        |
|                                                               |                  |              |                           | blue        | YL40/L50/B/RN/UL     | 212007   | 0.570        |
|                                                               |                  |              |                           | clear       | YL40/L50/C/RN/UL     | 212008   | 0.570        |
|                                                               |                  |              | 230 V AC                  | amber       | YL40/N50/A/RN/UL     | 212009   | 0.570        |
|                                                               |                  |              |                           | red         | YL40/N50/R/RN/UL     | 210155   | 0.570        |
|                                                               |                  |              |                           | green       | YL40/N50/G/RN/UL     | 212010   | 0.570        |
|                                                               |                  |              |                           | opal        | YL40/N50/O/RN/UL     | 212011   | 0.570        |
|                                                               |                  |              |                           | blue        | YL40/N50/B/RN/UL     | 212012   | 0.570        |
|                                                               |                  |              |                           | clear       | YL40/N50/C/RN/UL     | 212013   | 0.570        |
| YL40 Sounder/Strobe combination, VDS certification            | red normal (RN)  | 5 Joule      | 24 V DC                   | amber       | YL40/D50/A/RN/WR/VDS | 212014   | 0.510        |
|                                                               |                  |              |                           | red         | YL40/D50/R/RN/WR/VDS | 212015   | 0.510        |
|                                                               |                  |              |                           | green       | YL40/D50/G/RN/WR/VDS | 212016   | 0.510        |
|                                                               |                  |              |                           | opal        | YL40/D50/O/RN/WR/VDS | 212017   | 0.510        |
|                                                               |                  |              |                           | blue        | YL40/D50/B/RN/WR/VDS | 212018   | 0.510        |
|                                                               |                  |              |                           | clear       | YL40/D50/C/RN/WR/VDS | 212019   | 0.510        |

Note

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

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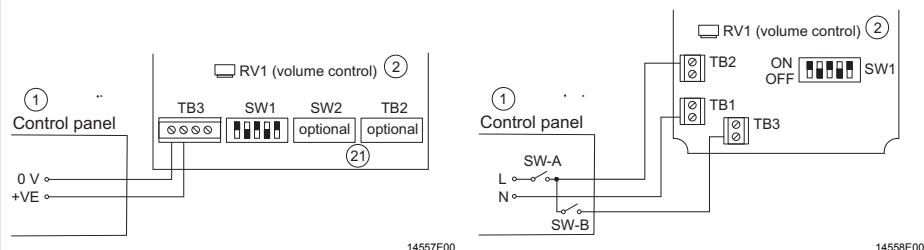
## Series YL40



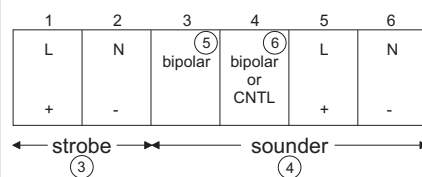
### Technical Data

#### 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                                                                                                                                                                 |
| Current consumption       | 24 V DC - 285 mA*<br>115 V AC - 275 mA*<br>230 V AC - 263 mA*<br>*at tone 1<br>**Voltages do not apply to multi stage units                                                                                                                                                         |
| Power supply              | via on-board terminal block<br>for DC: terminal (+) for +VE and terminal (-) for 0 V<br>for AC: terminal (L) for LIVE and terminal (N) for NEUTRAL<br>caution: high voltages are present within the beacon when operational                                                         |
| Line monitoring           | line monitoring excludes additional voltage options:<br><ul style="list-style-type: none"> <li>• 3 wire, 2 stage or 2 wire, single stage: monitor via reverse polarity</li> <li>• 2 wire, 2 stage i.e. bi-polar inputs: monitor via threshold (applied voltage &lt; 1 V)</li> </ul> |
| Schematic                 | monitor via reverse polarity                                                                                                                                                                                                                                                        |



#### DC Input



#### AC Input

#### Combination units

##### Legend

- 1 = External power supply, provided by user
- 2 = Volume control
- 3 = Connections for strobe/beacon
- 4 = Connections for sounder/horn
- 5 = 12/24/48 or 0 V Input used for 2nd stage by supply reversal
- 6 = Used for 2nd stage by 3rd wire
- 21 = SW2 is optional for independent 2nd stage. TB2 is optional for 2nd set of terminal blocks.

#### Acoustic data

|                 |                                                                                  |
|-----------------|----------------------------------------------------------------------------------|
| Volume          | 106 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) |

#### Luminous Characteristics

|              |                                      |
|--------------|--------------------------------------|
| Flash energy | 2.5 or 5.0 J                         |
| Lens colour  | amber, red, green, opal, blue, clear |

#### Ambient conditions

|                             |                                                                            |
|-----------------------------|----------------------------------------------------------------------------|
| Operating temperature range | UL: - 35 ... + 66 °C<br>EN 54-3: - 25 ... + 55 °C<br>VdS: - 25 ... + 40 °C |
| Storage temperature         | - 40 ... + 70 °C                                                           |
| Max. relative humidity      | 95 % at 40 °C                                                              |

#### Mechanical data

|                      |                                        |
|----------------------|----------------------------------------|
| Material             |                                        |
| Enclosure            | ABS, flame retardant                   |
| Lens                 | polycarbonate plastic, flame retardant |
| Degree of protection | IP 65 standard on all units            |

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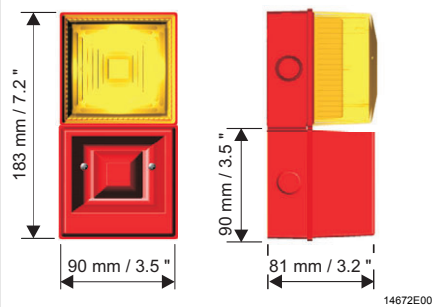
#### Technical Data

##### Assembly / Installation

###### Assembly

Should be mounted to a reasonably flat wall or bulkhead of suitable material using the internal fixing holes. The recommended fixing screws are dia. 4.5 mm max. x 20 mm long. 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.