

# Industrial Combination Signal - 110 dB (A) / 5 Joule

## Series YL50



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- > Max sound output 110 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



05517E00

**Yodalight range**  
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
	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. DIN EN 54, part 3 (10/01)

**WebCode YL50A**

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Selection Table

Version	Enclosure colour	Flash energy	Rated operational voltage	Lens colour	Order number	Art. no.	Weight kg			
YL50 Sounder/Strobe combination, BS EN 54-3, standard devices	red flame (RF)	5 Joule	24 V DC	amber	YL50/D50/A/RF/WR	204815	1.010			
				red	YL50/D50/R/RF/WR	204835	1.010			
				green	YL50/D50/G/RF/WR	204825	1.010			
				opal	YL50/D50/O/RF/WR	212038	1.010			
				blue	YL50/D50/B/RF/WR	204821	1.010			
				clear	YL50/D50/C/RF/WR	204823	1.010			
			115 V AC	amber	YL50/L50/A/RF/WR	204609	1.090			
				red	YL50/L50/R/RF/WR	204619	1.090			
				green	YL50/L50/G/RF/WR	212039	1.090			
				opal	YL50/L50/O/RF/WR	212040	1.090			
				blue	YL50/L50/B/RF/WR	204613	1.090			
				clear	YL50/L50/C/RF/WR	212041	1.090			
			230 V AC	amber	YL50/N50/A/RF/WR	204627	1.090			
				red	YL50/N50/R/RF/WR	204646	1.090			
				green	YL50/N50/G/RF/WR	212042	1.090			
				opal	YL50/N50/O/RF/WR	204639	1.090			
				blue	YL50/N50/B/RF/WR	204633	1.090			
				clear	YL50/N50/C/RF/WR	204635	1.090			
			YL50 Sounder/Strobe combination, UL certification	red flame (RF)	5 Joule	24 V DC	amber	YL50/D50/A/RF/UL	204656	1.010
							red	YL50/D50/R/RF/UL	204660	1.010
							green	YL50/D50/G/RF/UL	209662	1.010
opal	YL50/D50/O/RF/UL	212043					1.010			
blue	YL50/D50/B/RF/UL	204658					1.010			
clear	YL50/D50/C/RF/UL	204659					1.010			
115 V AC	amber	YL50/L50/A/RF/UL				204662	1.090			
	red	YL50/L50/R/RF/UL				204663	1.090			
	green	YL50/L50/G/RF/UL				212044	1.090			
	opal	YL50/L50/O/RF/UL				212045	1.090			
	blue	YL50/L50/B/RF/UL				212046	1.090			
	clear	YL50/L50/C/RF/UL				205456	1.090			
230 V AC	amber	YL50/N50/A/RF/UL				204664	1.090			
	red	YL50/N50/R/RF/UL				204666	1.090			
	green	YL50/N50/G/RF/UL				209669	1.090			
	opal	YL50/N50/O/RF/UL				212047	1.090			
	blue	YL50/N50/B/RF/UL				209667	1.090			
	clear	YL50/N50/C/RF/UL				204665	1.090			
YL50 Sounder/Strobe combination, VDS certification	red flame (RF)	5 Joule				24 V DC	amber	YL50/D50/A/RF/WR/VDS	212048	1.010
							red	YL50/D50/R/RF/WR/VDS	212049	1.010
							green	YL50/D50/G/RF/WR/VDS	212050	1.010
			opal	YL50/D50/O/RF/WR/VDS	212051		1.010			
			blue	YL50/D50/B/RF/WR/VDS	212052		1.010			
			clear	YL50/D50/C/RF/WR/VDS	212053		1.010			

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

# Industrial Combination Signal - 110 dB (A) / 5 Joule

## Series YL50

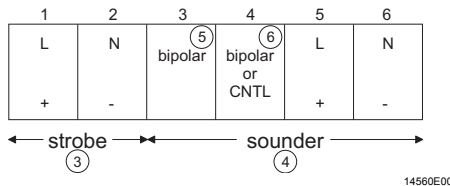


### Technical Data

#### Electrical data

Rated operational voltage	12, 24 or 48 V DC 115 or 230 V AC $\pm 10\%$ 12 V DC versions will produce approx. 6 dB less output
Current consumption	24 V DC - 284 mA* 115 V AC - 265 mA* 230 V - 257 mA* *at tone 1 **Voltages do not apply to multi stage units
Line monitoring	line monitoring excludes additional voltage options: <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



#### Combination units

##### Legend

- 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

#### Acoustic data

Volume	110 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)

#### 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 EN 54-3: - 25 ... + 55 °C VdS: - 25 ... + 40 °C
Storage temperature	- 40 ... + 70 °C
Max. relative humidity	90 % at 40 °C

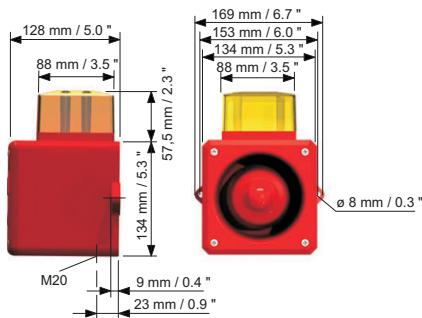
#### Mechanical data

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

#### 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 8 mm on 153 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.
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#### 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.