

Industrial Combination Signal 116 dB (A) / 5 Joule Series YL80



- > Max sound output 116 db (A) / 1 m
- > IP65 rated as standard
- > Strobe available in 5 Joules
- > 32 selectable tones meeting international regulations
- > Flame retardant ABS enclosure
- > Stainless steel fixings
- > 2 stage alarm
- > Independently selectable second stage
- > Lens available in six different colours
- > Low current consumption



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

Explosion Protection

Certificates		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
		EN54-3 : 2001 + A1 : 2002 + A2 : 2006 VdS 2504 (12/96), VdS 2203 (03/01), VdS 2344 (12/05), Cert No. G28702
		Marine Equipment Directive MED Module B BSI/MED/A.1/3.53/590299, Module D BSI/MED/PC/590302
Note	Information for European users of the YL40 combination device: 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.	

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Selection Table

Version	Enclosure colour	Flash energy	Rated operational voltage	Lens colour	Order number	Art. no.	Weight kg			
YL80 Sounder/Strobe combination, BS EN 54-3 + MED, standard devices	red flame (RF)	5 J	24 V DC	amber	YL80/D50/A/RF/WR	204678	3.210			
				red	YL80/D50/R/RF/WR	204697	3.210			
				green	YL80/D50/G/RF/WR	212022	3.210			
				opal	YL80/D50/O/RF/WR	212024	3.210			
				blue	YL80/D50/B/RF/WR	204684	3.210			
				clear	YL80/D50/C/RF/WR	212025	3.210			
			115 V AC	amber	YL80/L50/A/RF/WR	204703	3.580			
				red	YL80/L50/R/RF/WR	204711	3.580			
				green	YL80/L50/G/RF/WR	212026	3.580			
				opal	YL80/L50/O/RF/WR	212027	3.580			
				blue	YL80/L50/B/RF/WR	212028	3.580			
				clear	YL80/L50/C/RF/WR	212029	3.580			
			230 V AC	amber	YL80/N50/A/RF/WR	204720	3.580			
				red	YL80/N50/R/RF/WR	204738	3.580			
				green	YL80/N50/G/RF/WR	212030	3.580			
				opal	YL80/N50/O/RF/WR	212061	3.580			
				blue	YL80/N50/B/RF/WR	212062	3.580			
				clear	YL80/N50/C/RF/WR	212063	3.580			
			YL80 Sounder/Strobe combination, UL certification	red flame (RF)	5 J	24 V DC	amber	YL80/D50/A/RF/UL	204742	3.210
							red	YL80/D50/R/RF/UL	204743	3.210
							green	YL80/D50/G/RF/UL	212064	3.210
opal	YL80/D50/O/RF/UL	212065					3.210			
blue	YL80/D50/B/RF/UL	212066					3.210			
clear	YL80/D50/C/RF/UL	212067					3.210			
115 V AC	amber	YL80/L50/A/RF/UL				204744	3.580			
	red	YL80/L50/R/RF/UL				212068	3.580			
	green	YL80/L50/G/RF/UL				212069	3.580			
	opal	YL80/L50/O/RF/UL				212070	3.580			
	blue	YL80/L50/B/RF/UL				212071	3.580			
	clear	YL80/L50/C/RF/UL				212072	3.580			
230 V AC	amber	YL80/N50/A/RF/UL				209673	3.580			
	red	YL80/N50/R/RF/UL				209674	3.580			
	green	YL80/N50/G/RF/UL				212073	3.580			
	opal	YL80/N50/O/RF/UL				212074	3.580			
	blue	YL80/N50/B/RF/UL				212075	3.580			
	clear	YL80/N50/C/RF/UL				212076	3.580			
Note	Other voltages and variants are available. Please contact your local sales office for more details									

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Technical Data

Electrical data

Rated operational voltage	24 or 48 V DC 115 or 230 V AC	
Current consumption	24 V DC	615 mA
	115 V AC	218 mA
	230 V AC	167 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

Luminous characteristics

Light source	Xenon flash tube		
Flash energy	5 J		
Flash rate	1 per second		
Light intensity	Effective candela (cd)	Candela Seconds	
	clear	72.10	14.44
	red	8.92	1.186
	amber	25.52	5.111
	blue	14.09	2.82
	green	29.70	5.946
	opal	65.78	13.17
Lens colour	amber, red, green, opal, blue, clear		

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
Lens cover	polycarbonate, flame retardant
Assembly parts	stainless steel fixings
Labels	polyester foil, adhesive
Degree of protection	IP65 (IEC60529)

Mounting / Installation

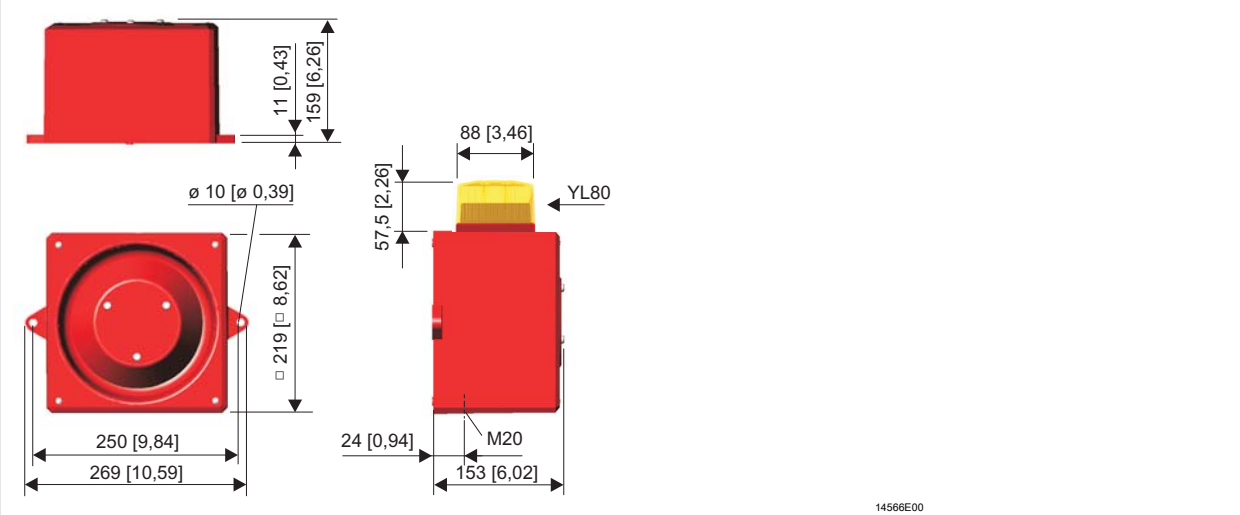
Assembly	Should be mounted to a reasonably flat wall or bulkhead of suitable material using the lugs projecting from the side of the case. The lugs are bored 10 mm on 250 mm centres. The minimum recommended length of fixing screws is 30 mm. To maintain the integrity of the weather seal, the cable entry must be fitted using a suitable sealed gland.
Connection	V DC variants separate input and output 2,5mm ² terminals V AC variants 2,5mm ² 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.