Industrial Combination Signal 110 dB (A) / 5 Joule
Series YL50

05517E00

- Max sound output 110 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
- Idependently selectable second stage
- Lens available in six different colours
- Low current consumption

E5

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

Approvals

Certificates	LISTED 5N93	UL 1638, UL 464
	0086-CPR-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	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
YL50 Sounder/Strobe combination, BS EN 54-3 + MED, standard devices	red flame (RF)	5 J	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**	1.010
				green	**YL50/L50/G/RF/WR**	**212039**	1.090
				opal	**YL50/L50/O/RF/WR**	**212040**	1.010
				blue	**YL50/L50/B/RF/WR**	**204613**	1.090
				clear	**YL50/L50/C/RF/WR**	**212041**	1.010
			230 V AC	amber	**YL50/N50/A/RF/WR**	**204627**	1.090
				red	**YL50/N50/R/RF/WR**	**204646**	1.010
				green	**YL50/N50/G/RF/WR**	**212042**	1.010
				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 J	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**	1.010
				green	**YL50/L50/G/RF/UL**	**212044**	1.010
				opal	**YL50/L50/O/RF/UL**	**212045**	1.010
				blue	**YL50/L50/B/RF/UL**	**212046**	1.010
				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**	1.010
				green	**YL50/N50/G/RF/UL**	**209669**	1.010
				opal	**YL50/N50/O/RF/UL**	**212047**	1.010
				blue	**YL50/N50/B/RF/UL**	**209667**	1.010
				clear	**YL50/N50/C/RF/UL**	**204665**	1.090
YL50 Sounder/Strobe combination, VDS certification	red flame (RF)	5 J	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						

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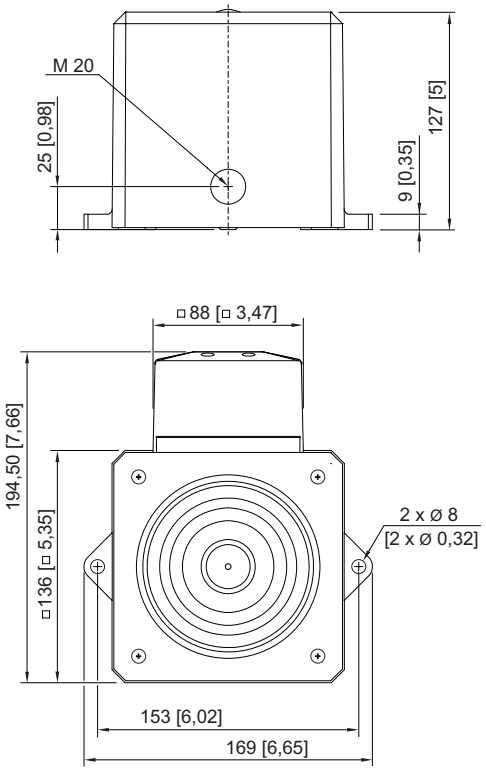
Technical Data

Electrical data			
Rated operational voltage	24 or 48 V DC 115 or 230 V AC		
Current consumption	24 V DC	345 mA	
	115 V AC	123 mA	
	230 V AC	113 mA	
		at tone 1	
Operational parameters	+ or - 10% of nominal		
Line monitoring	line monitoring excludes additional voltage options: 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. 110 dB (A)		
Volume control	18 dB (A) adjustment		
Sound stages	2, independantly 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	
	VDS certified variants:	-25 ... +40 °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 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.		
Connection	V DC variants separate input and output 2,5mm^2 terminals V AC variants 2,5mm^2 terminals		

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



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