

# Intrinsically Safe Combination Signal - 105 dB (A) / LED Beacon

## Series YL5IS



www.stahl.de



- > Max sound output 105 dB (A) / 1 m
- > 8 LED array flashing beacon
- > 32 selectable tones meeting international regulations
- > Sound selection via DIL switch
- > Stainless steel fixings
- > Monitoring facility
- > Flame retardant ABS enclosure

05517E00



Yodalex range  
Combination audible and visual signal designed for use in hazardous environments.

	ATEX					
Zone	0	1	2	20	21	22
For use in	x	x	x			

### Explosion Protection

#### Marking

Europe (ATEX)

II 1 G Ex ia IIC T4

#### Certificates

Europe (ATEX)

Baseefa08ATEX0194X

**WebCode YL5ISA**

# Intrinsically Safe Combination Signal - 105 dB (A) / LED Beacon Series YL5IS



Selection Table

Version	Enclosure colour	Safety barrier	Temperature class	Lens colour	Order number	Art. no.	Weight		
YL5IS Sounder/Strobe, ATEX certification, standard devices	red flame (RF)	ISC	T4	amber	YL5/ISC/T4/A/RF	204795	1.090		
				red	YL5/ISC/T4/R/RF	204796	1.090		
				green	YL5/ISC/T4/G/RF	212415	1.090		
				opal	YL5/ISC/T4/O/RF	212416	1.090		
				blue	YL5/ISC/T4/B/RF	212417	1.090		
				clear	YL5/ISC/T4/C/RF	212418	1.090		
				amber	YL5/ISC/T4/A/RF	211539	1.090		
		red	YL5/ISC/T4/R/RF	211540	1.090				
		green	YL5/ISC/T4/G/RF	212419	1.090				
		opal	YL5/ISC/T4/O/RF	212420	1.090				
		blue	YL5/ISC/T4/B/RF	212421	1.090				
		clear	YL5/ISC/T4/C/RF	212422	1.090				
				ISD	T4	amber	YL5/ISD/T4/A/RF	211539	1.090
						red	YL5/ISD/T4/R/RF	211540	1.090
		green	YL5/ISD/T4/G/RF			212419	1.090		
		opal	YL5/ISD/T4/O/RF			212420	1.090		
		blue	YL5/ISD/T4/B/RF			212421	1.090		
		clear	YL5/ISD/T4/C/RF			212422	1.090		

Note                   ISC - Standard device  
                              ISD - Opto-couped second sound stage only

## Technical Data

### Electrical data

Rated operational voltage	12, 18 or 24 V DC Via ATEX approved safety barrier or galvanic isolator
Safety barrier	single channel:     9001/01-280-085-101 dual channel:       9002/11-280-186-001
Galvanic isolator	single channel:     9176/10-15-00s dual channel:       9176/20-15-00s

### Schematic



### Legend

- 2   = Volume control (T4 units only)
- 11  = Input power supply via ATEX approved barrier or galvanic isolator
- 13  = Dual in line sound selection switch
- 14  = Terminal blocks for incoming power supply
- 15  = ATEX approved barrier or galvanic isolator
- 16  = First strobe/beacon
- 20  = End of line resistor

### Acoustic data

Sound selection     via DIL-switch

### Luminous Characteristics

Lens colour         amber, red, green, opal, blue, clear

### Ambient conditions

Ambient temperature   - 25 ... + 40 °C  
Max. relative humidity  95 % at 40 °C




### Mechanical data

Material  
Enclosure             ABS, flame retardant  
Assembly parts       stainless steel  
Degree of protection  IP56

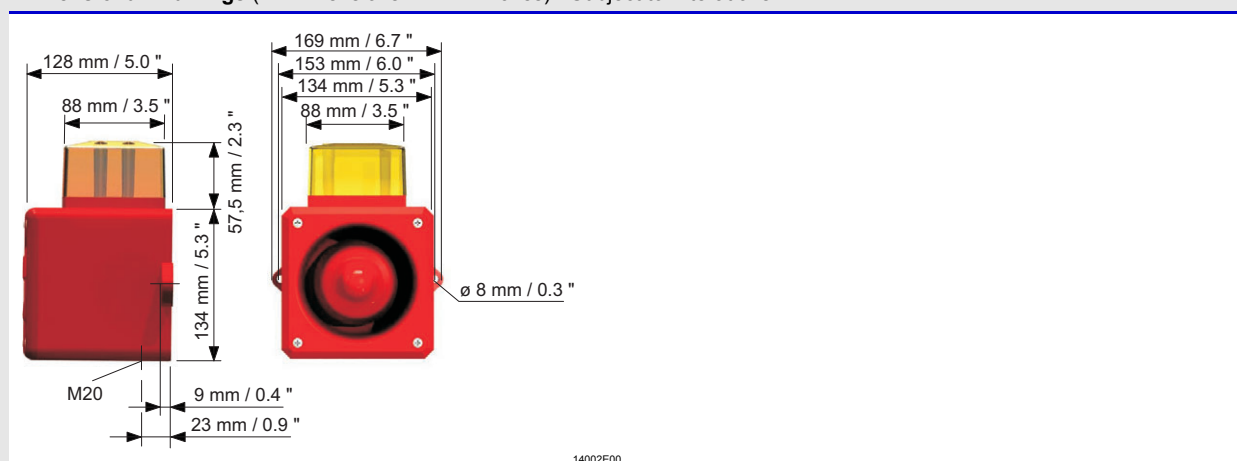
# Intrinsically Safe Combination Signal - 105 dB (A) / LED Beacon Series YL5IS



## Accessories and Spare Parts

Designation	Illustration	Description	Order number	Art. no.	WebCode
Safety barrier		single channel	<b>9001/01-280-085-101</b>	<b>158351</b>	9001A
		dual channel	<b>9002/11-280-186-001</b>	<b>158848</b>	9002A
Galvanic isolator		single channel	<b>9176/10-15-00s</b>	<b>160472</b>	9176A
		dual channel	<b>9176/20-15-00s</b>	<b>165567</b>	9176A
Cable gland		8161/6 Ex i (black with blue cap nut) 8161/6-M20-13      1 piece	<b>8161/6-M20-13</b>	<b>138536</b>	8161A

## 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.