

QNES Series

Explosion proof LED signal beacon & electronic sounder with convenient selection of steady/flashing, strobe, and simulated revolving light functions



QNES



QNES-SUS

PRODUCT SPECIFICATION

QNES | QNES-SUS

Materials Lens-Tempered glass, Filter-PC, Bracket-ST316L, Protection cage-ST316L, Housing-Al(QNES), ST316L(QNES-SUS)

Ambient operating temperature

-40°C ≤ Tamb ≤ +60°C(T5)

-40°C ≤ Tamb ≤ +45°C(T6)

Explosion protection rating

IECEX - Ex db IIC T6/T5 Gb, Ex tb IIIC T85°C/T100°C Db

ATEX - Ex II 2G Ex db IIC T6/T5 Gb,

Ex II 2D Ex tb IIIC T85°C/T100°C Db

NEPSI, CCC - Ex db IIC T5/T6 Gb

KCs - Ex d IIC T6/T5, IP66

Certificates IECEX, ATEX, NEPSI, KCs, CCC

Housing standard color Red, MUNSELL No. 7.5BG 7/2
Metallic Color(SUS type only)

Cable entry 1/2" NPT

Flashing rate(LF type) 60-80 flashes/min.

Strobe rate(LS type) 70-80 flashes/min.

Simulated revolving rate(LR type) 120-140RPM

- Explosion proof, multifunctional, and compact LED signal light designed for use in explosive gas environments with Ex d II C rating
- Features excellent shock and vibration resistance, maintenance significantly reduced with long-lasting LED light source
- A variety of sound selections between warning sounds, alarm sounds, melodies and voice messages to fit your sophisticated application needs
- Features superior durability with aluminum housing(QNES)
- STS housing provides superior durability and corrosion resistance(QNES-SUS)
- Fully enclosed structure with protection rating of IP66



QNES Explosion Proof Signal Beacon and Electronic Sounder Combination

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
QNES	DC12V	Max.	·WS-5 Warning sounds: Max.110dB		3.15kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	-24V	1.6A	·WP-5 Special warning sounds: Max.110dB			
			·WM-5 Melodies: Max.105dB			
	AC110V	Max.	·WA-5 Alarms: Max.105dB			
	-230V	300mA	·WV-5 Customizable voices: 99-106dB			



QNES-SUS Explosion Proof Signal Beacon and Electronic Sounder Combination

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
QNES-SUS	DC12V	Max.	·WS-5 Warning sounds: Max.110dB		7.60kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	-24V	1.6A	·WP-5 Special warning sounds: Max.110dB			
			·WM-5 Melodies: Max.105dB			
	AC110V	Max.	·WA-5 Alarms: Max.105dB			
	-230V	300mA	·WV-5 Customizable voices: 99-106dB			

※ Max.built-in volume feature is based on WS, WP-Ch1 / WM-Ch5 / WA-Ch5.

※ In case of customized WV 5 tone type, there may be difference of volume depending on user's audio file type.

Instruction for Light Function Switch

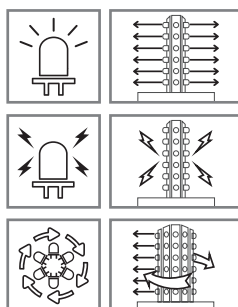
ON=1/OFF=0

Can select 4 different kinds of light functions with switch configuration



No.	1	2	Operation
0	0	0	LED Steady
1	0	1	LED Flashing
2	1	0	LED Strobe
3	1	1	LED Simulated revolving flashing

Operation



LED Steady/Flashing

Repeat operation of LED light on/off

LED Strobe

Short LED steady/flashing. Creates a xenon flashing effect by providing maximum electric current

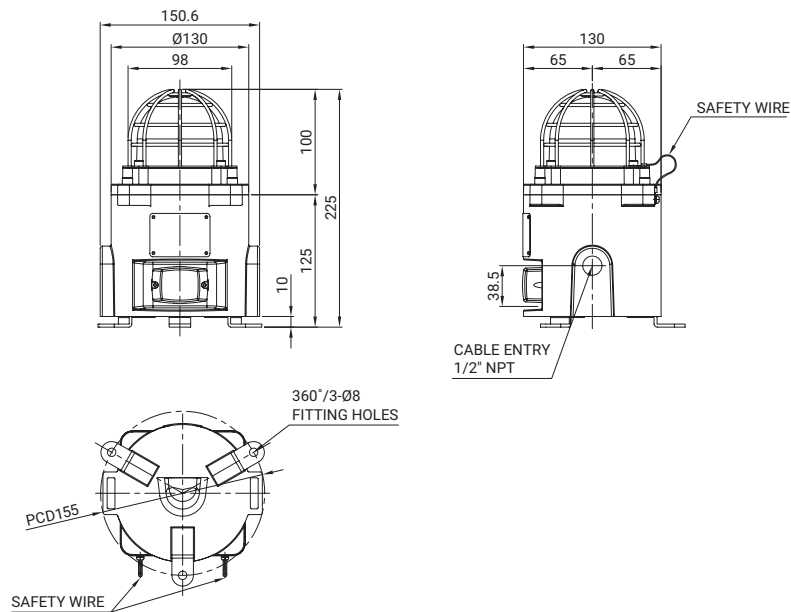
LED Simulated Revolving Flashing

LED flashes steadily around the cylindrical LED filaments which makes a simulated revolving effect

Technical Diagram

Units: mm

·QNES / QNES-SUS



Customization

- Explosion proof cable gland attached type available (Standard type does not come with explosion proof cable gland)
- 2 ways cable entries
- M20×1.5, 3/4" NPT cable entry

Ordering Specification

QNES	-	WA	-	110/230	-	R	-	SUS	-	IECEX
[Model number]		[Sound]		[Voltage]		[Color]		[Housing materials]		[Certificates]
QNES		WS-Warning sounds WP-Special warning sounds WM-Melodies WA-Alarms WV-Customizable voices		12/24-DC12V-24V 110/230-AC110V-230V		R-Red A-Amber G-Green B-Blue		None - Al SUS-ST316L		IECEX ATEX KCs CCC(NEPSI)