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 ㅣ QNES-SUS

Materials Lens-Tempered glass, Filter-PC, Bracket-STS316L, Protection cage-STS316L, Housing-Al(QNES), STS316L(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, IP66
ATEX - Ⓔ II 2G Ex db IIC T6/T5 Gb, IP66
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
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
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- 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 -24V	Max. 1.6A	·WS-5 Warning sounds: Max.110dB ·WP-5 Special warning sounds: Max.110dB ·WM-5 Melodies: Max.105dB ·WA-5 Alarms: Max.105dB ·WV-5 Customizable voices: 99-106dB	IECEx ATEX Ex NEPSI KCs CCC	3.15kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	AC110V -230V	Max. 300mA				

QNES-SUS Explosion Proof Signal Beacon and Electronic Sounder Combination

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

※ 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.
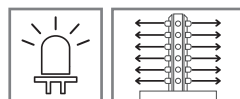
Instruction for Light Function Switch

ON=1/OFF=0

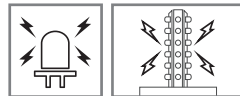Can select 4 different kinds of light functions with switch configuration

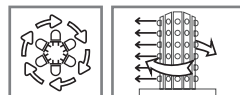| No.	1	2	Operation
0	0	0	LED Steady
1	0	1	LED Flashing
2	1	0	LED Strobe
3	1	1	LED Simulated revolving flashing

Operation

· **LED Steady/Flashing**
  Repeat operation of LED light on/off

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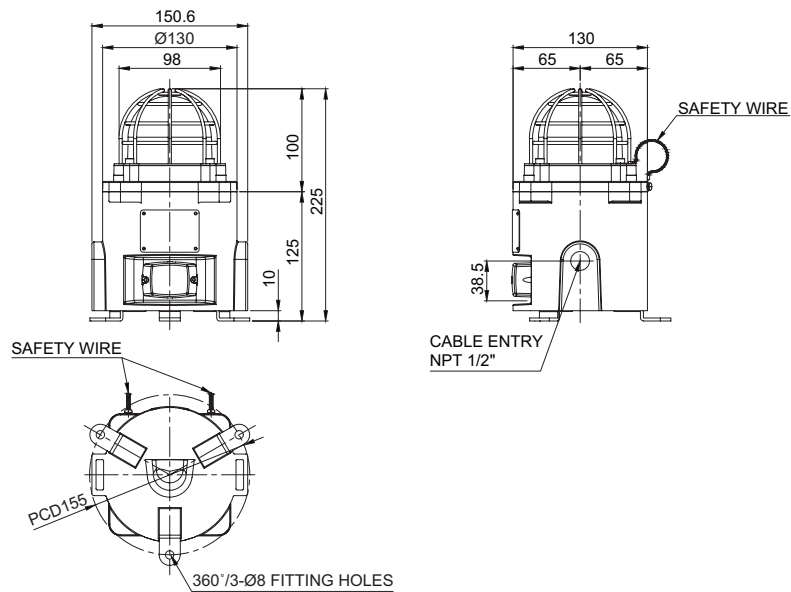 Short LED steady/flashing. Creates a xenon flashing effect by providing maximum electric current

· **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

150.6
Ø130
98
100
225
125
10

SAFETY WIRE

130
65 | 65

SAFETY WIRE

38.5

CABLE ENTRY
NPT 1/2"

PCD155

360°/3-Ø8 FITTING HOLES

Customization

· Explosion proof cable gland attached type available (Standard type does not come with explosion proof cable gland)
· 2 ways cable entries
· M20x1.5 cable entry

Ordering Specification

QNES	-	WA	-	110/230	-	R	-	SUS	-	IECEx
[Model number]		[Sound]		[Voltage]		[Color]		[Housing materials]		[Certificates]
QNES		WS-Warning sounds		12/24-DC12V-24V		● R-Red		None - Al		IECEx
		WP-Special warning sounds		110/230-AC110V-230V		● A-Amber		SUS-STS316L		ATEX
		WM-Melodies				● G-Green				KCs
		WA-Alarms				● B-Blue				CCC(NEPSI)
		WV-Customizable voices								