Ø92mm Explosion Proof LED Signal/ Warning Light and Electric Sounder Combination

# QNES Series

Explosion-proof LED indicator & electronic signal horn with convenient selection of solid/blink, strobe, and revolving flashing operation

**QNES**

**QNES-SUS**

## PRODUCT SPECIFICATION

QNES l 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 - ⟨Ex⟩ 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
- 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/ Warning Light and Electric Sounder Combination

| Model number | Voltage | Current | Sound Pattern and Volume | Certificates | Weight | Color |
|---|---|---|---|---|---|---|
| QNES | DC12V -24V | Max. 1.872A | ·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. 0.301A | | | | |

### QNES-SUS Explosion Proof Signal/ Warning Light and Electric Sounder Combination

| Model number | Voltage | Current | Sound Pattern and Volume | Certificates | Weight | Color |
|---|---|---|---|---|---|---|
| QNES-SUS | DC12V -24V | Max. 1.872A | ·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. 0.301A | | | | |

※ 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.
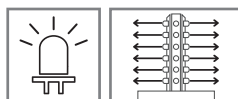
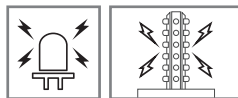## Instruction for Light Function Switch

ON=1/OFF=0

Can select 4 different kinds of light functions with switch configuration
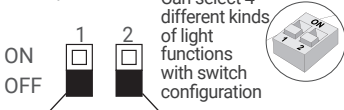
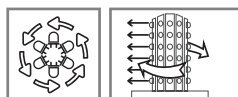| No. | 1 | 2 | Operation |
|---|---|---|---|
| 0 | 0 | 0 | LED Steady |
| 1 | 0 | 1 | LED Flashing |
| 2 | 1 | 0 | LED Strobe |
| 3 | 1 | 1 | LED Simulated revolving flashing |

## Operation

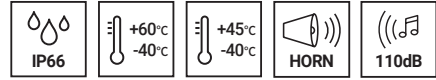· **LED Steady/ Flashing**
  Repeat operation of LED light on/off

· **LED Strobe**
  Short LED steady/flashing. Creates a xenon flashing effect by providing maximum electric current
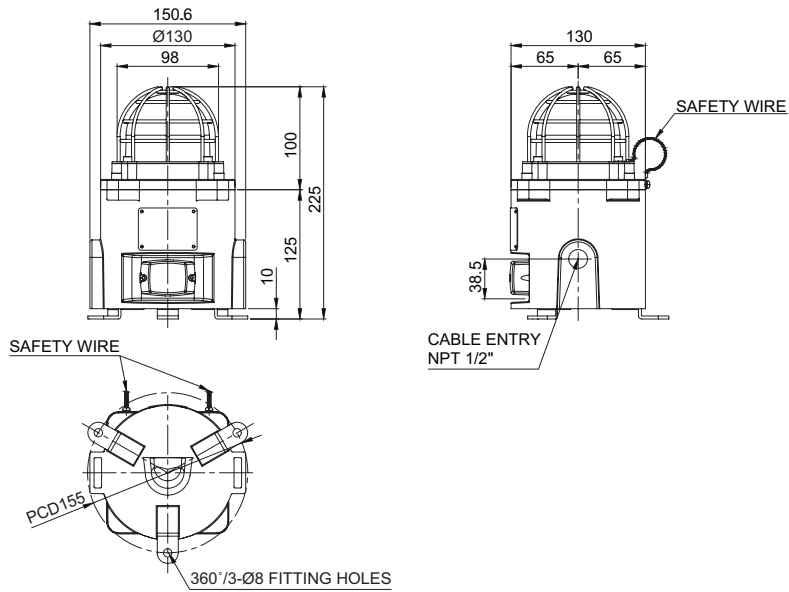
· **LED Simulated Revolving Flashing**
  LED flashes steadily around the cylindrical LED filaments which makes a simulated revolving effect

## Technical Diagram

Units: mm

·QNES / QNES-SUS



150.6
Ø130
98
100
225
125
10

SAFETY WIRE

SAFETY WIRE

PCD155

360°/3-Ø8 FITTING HOLES

130
65  65

SAFETY WIRE

38.5

CABLE ENTRY
NPT 1/2"

## Customization

Built-in explosion proof cable gland Standard type does not provide explosion proof cable gland

2 ways cable entry

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 | | (Blank) - Al | | IECEx |
| | | WP-Special warning sounds | | 110/230-AC110V-230V | | ● A-Amber | | STS -STS316L | | ATEX |
| | | WM-Melodies | | | | ● G-Green | | | | KCs |
| | | WA-Alarms | | | | ● B-Blue | | | | CCC(NEPSI) |
| | | WV-Customizable voices | | | | | | | | |