Ø92mm Explosion Proof LED Signal Beacon and Electronic Sounder Combination(Cold Resistance Type)

QNES-CR Series

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

QNES-CR

QNES-CR-SUS

PRODUCT SPECIFICATION

QNES-CR I QNES-CR-STS

Materials Lens-Tempered glass, Filter-PC, Bracket-STS316L, Protection cage-STS316, Housing-Al(QNES-CR), STS316L(QNES-CR-SUS)

Ambient operating temperature
-52°C ≤ Tamb ≤ +60°C(T5)
-52°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

Certificates IECEx, ATEX

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
- ATEX/IECEx exproof Beacon sounder combination unit that can be used in an environment of extremely low temperature as low as -52°C(-61.6°F)
- Cold resistant parts realize stable operation of beacon at very low temperature
- Model with complex functions of LED on, blinking, strobe, and rotating flashing
- 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-CR)
- STS housing provides superior durability and corrosion resistance(QNES-SUS)
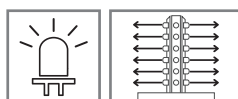- Fully enclosed structure with protection rating of IP66

Instruction for Light Function Switch

ON=1/OFF=0

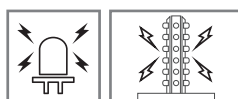Can select 4 different kinds of light functions with switch configuration

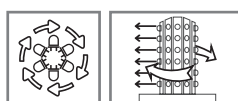| No.	1	2	Operation
0	0	0	LED Steady
1	0	1	LED Flashing
2	1	0	LED Strobe
3	1	1	LED Simulated revolving flashing

Operation

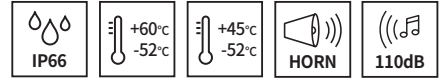· **LED Steady/ Flashing**
Repeat operation of LED light on/off

· **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

QNES-CR Explosion Proof LED Beacon & Sounder Combination with Cold Resistance

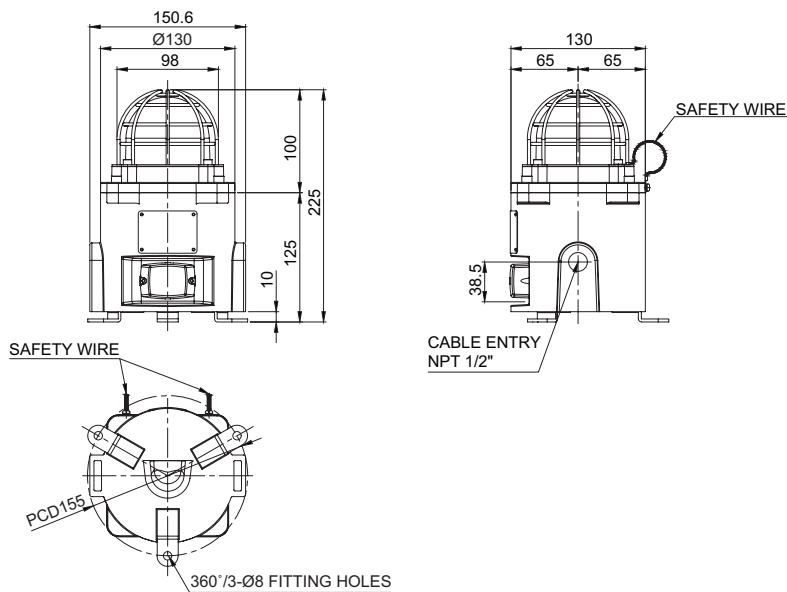| Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
QNES-CR	DC12V-24V	Max.1.6A	·WS-5 Warning sounds: Max.110dB ·WP-5 Special warning sounds: Max.110dB ·WM-5 Melodies: Max.105dB ·WA-5 Alarms: Max.105dB ·WV-5 Customizable voices: 99-106dB	IECEx ATEX	3.15kg	● R-Red ● A-Amber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

QNES-CR-SUS Explosion Proof LED Beacon & Sounder Combination with Cold Resistance

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
QNES-CR-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	7.60kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	AC110V-230V	Max.300mA				

Technical Diagram

Units: mm

·QNES-CR / QNES-CR-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-CR	-	WA	-	110/230	-	R	-	SUS	-	IECEx

[Model number]	[Sound]	[Voltage]	[Color]	[Housing materials]	[Certificates]
QNES-CR	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 - STS316L	IECEx ATEX