QNES series

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

Qlight

| IP66 | -40~+60°C | -40~+45°C | HORN | 110dB |

Flame proof LED signal light that features steady/flashing, strobe, and simulated revolving light functions in one unit
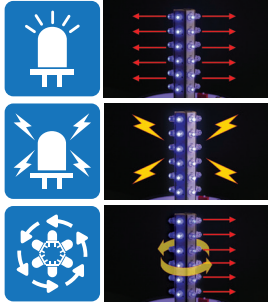
• **LED Steady/ Flashing**
  Repeat operation of LED light on/off

• **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

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

QNES

QNES-SUS

Specifications(QNES/ QNES-SUS/ QNES-BS)

• Explosion proof, multifunctional, and compact LED signal light and electric sounder combination designed for use in explosive gas environments with Ex d ⅡC rating
• Features excellent shock and vibration resistance, maintenance significantly reduced with long-lasting LED light source
• Features superior durability with aluminum housing(QNES)
• STS housing provides superior durability and corrosion resistance(QNES-SUS)
• Features excellent corrosion resistance with brass housing(QNES-BS)
• Fully enclosed structure with protection rating of IP66
• Housing standard color : Red, MUNSELL No. 7.5BG 7/2
• Cable entry : 1/2″ NPT
• Sound volume: Max. 110dB at 1m
• Flashing rate(LF type) : 60-80 flashes/min.
• Strobe rate(LS type) : 70-80 flashes/min.
• Simulated revolving rate(LR type) : 120-140RPM
• Materials : Lens-Tempered glass, Inner lens-PC, Bracket-STS304, Protection cage-STS316, Housing-Al(QNES), STS(QNES-SUS), Brass(QNES-BS)
• Certificates : ATEX, IECEx, KCs
• Protection rating : ATEX - Ⓔx Ⅱ2G Ex d ⅡC T5/ T6, IP66
  IECEx, KCs - Ex d ⅡC T5/ T6, IP66
• Ambient operating temperature : $-40°C \leq T_{amb} \leq +60°C$
  $-40°C \leq T_{amb} \leq +45°C$

QNES — Explosion Proof Signal/ Warning Light and Electric Sounder Combination

• Features superior durability with aluminum housing

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
QNES	DC12V-24V	Max. 1.872A	• WS-5 Warning sounds : 110dB • WP-5 Special warning sounds : 110dB • WM-5 Melodies : 105dB • WA-5 Alarms : 105dB • WV-5 Customizable voices : 103dB	IECEx ATEX KCs	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

• STS housing provides superior durability and corrosion resistance

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
QNES-SUS	DC12V-24V	Max. 1.872A	• WS-5 Warning sounds : 110dB • WP-5 Special warning sounds : 110dB • WM-5 Melodies : 105dB • WA-5 Alarms : 105dB • WV-5 Customizable voices : 103dB	IECEx ATEX KCs	7.60kg	• R-Red • A-Amber • G-Green • B-Blue
	AC110V-230V	Max. 0.301A				
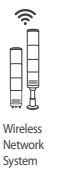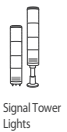
QNES series

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

Qlight

IP66 | -40~+60℃ | -40~+45℃ | HORN | 110dB
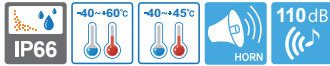
QNES-BS

QNES-BS — Explosion Proof Warning/ Signal Light and Electric Sounder Combination

• Features excellent corrosion resistance with brass housing

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
QNES-BS	DC12V-24V	Max. 1.872A	• WS-5 Warning sounds : 110dB • WP-5 Special warning sounds : 110dB • WM-5 Melodies : 105dB • WA-5 Alarms : 105dB • WV-5 Customizable voices : 103dB	IECEx Ex ATEX KCs	8.55kg	• R-Red • A-Amber • G-Green • B-Blue
	AC110V-230V	Max. 0.301A				

Technical Diagram (Units : mm)

QNES/ QNES-SUS/ QNES-BS

CABLE ENTRY 1/2″ NPT

PCD155

360°/3-Ø8 FITTING HOLES
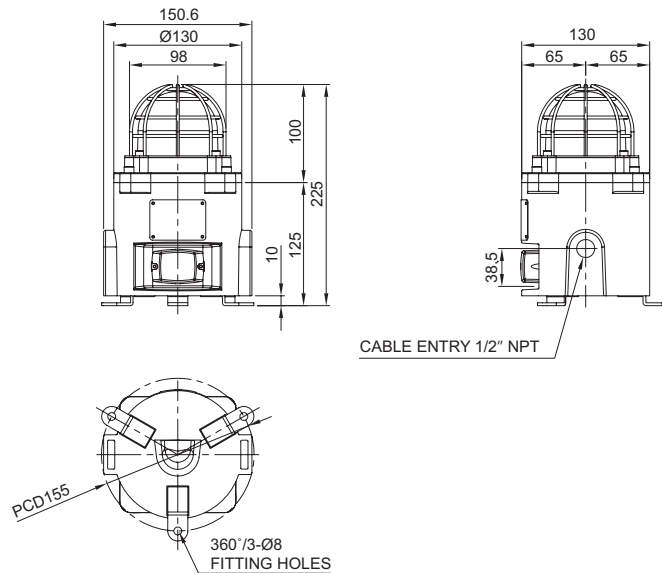
Customization

• Built-in explosion proof cable gland
  Standard type does not provide explosion proof cable gland
• Two way cable entries
• M20x1.5 cable entry
• ATEX certified type
• IECEx certified type
• Housing, housing cover color : MUNSELL No. 7.5BG 7/2

Ordering Specification

QNES	-	WS	-	120/230	-	R	-	SUS
[Model number]		[Sound]		[Voltage]		[Color]		[Housing material]

• QNES

• WS-Warning sounds
• WP-Special warning sounds
• WM-Melodies
• WA-Alarms
• WV-Customizable sounds

• 12/24
  -DC12V-24V
• 120/230
  -AC120V-230V

• R-Red
• A-Amber
• G-Green
• B-Blue

• (Blank) - Al
• SUS - STS
• BS - Brass