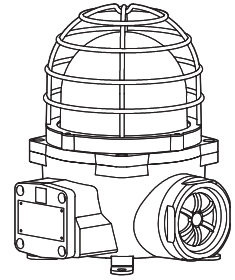


# Explosion Proof Bulb Revolving Warning Light with Siren Buzzer(Telephone Initiated)

## SNES-S-TI



Thank you for purchasing Qlight's products. Please read this user manual carefully prior to installation and operation to ensure safe and correct use.

### Safety Precautions for Explosion Proof Products

Please follow the instruction below to ensure safe and correct use of explosion proof products.

1. Explosion proof products should be managed according to explosion proof regulations. Do not disassemble, assemble, alter or repair the product arbitrarily.
2. The temperature rating of the product is the temperature the product will experience at the applied rated voltage and ambient temperature indicated.
3. Use cable glands that satisfy the product's explosion proof grade and temperature grade.
4. Unused cable entries must be filled with material that meets the explosion proof grade and temperature rating.
5. Before installing the product, please make sure all cautions indicated on the labels, packaging, and operation manual of the product are fully understood.
6. Installation, maintenance and repair of the product must be performed by experts in the explosion proof field, or persons who have received relevant training.
7. For safety, the product should be installed and operated in environments that avoid high temperature and high pressure.
8. Please follow general safety precautions and avoid installing the product in locations that may generate excessive heat.
9. When installing the product in places where chemicals are located, please make sure that the environment does not have two or more incompatible chemicals mixed. For safety, please read the instruction manual carefully and be mindful of the chemical compositions where the product is used.
10. This product requires grounding.
11. Please note that special conditions shall be applied if the sign "X" is placed after the certificate number.
  - 1) For safe use, regular overpressure test must be carried out in accordance with EN 60079-1, clause 15.2.3.
  - 2) For safe use, tempered glass must be protected from strong impact
12. When using NPT cable glands (plugs), it is recommended to use them after applying non-hardening grease to maintain protective performance.

### Precaution for Safety

Failure to follow the instructions below may cause a loss of life or serious physical injury.

1. During wiring or maintenance, please completely turn off the power of the product. (Failure to follow this may lead to an electric shock.)
2. Do not install the product in locations that subjects it to excessive dust or water other than the conditions designated by the IP protection ratings indicated for each product. (Failure to follow these instructions may cause a fire to the product, electric shock, physical injury, malfunction or damage to the product.)
3. Do not alter or repair this product. If maintenance or repair service is required, please contact your local Qlight contact point. (Failure to follow these instructions may lead to fire, electric shock, or product damage.)
4. Please apply the correct voltage to the product. (Failure to follow these instructions may lead to fire, electric shock, or product damage.)
5. When the product is applied to a condition that may impact lives or property, please make sure to have a double safety device. (Failure to follow this may cause damage to property, fire, electric shock and loss of life.)

### Precautions for Correct Use

Failure to follow the proper instructions may cause damage to property, the product, or malfunction of the product that would void the warranty.

1. Please remove any objects that can interrupt ventilation around the product.
2. Please turn off the power of the product immediately if it fails to operate properly.
3. Carefully wire the product according to each product's specification.
4. Please be careful in preventing chemicals such as thinner, benzene, etc. in contact with the surface of the product.
5. Do not apply excessive force/impact to the product.
6. Failure to follow any of the instructions above may cause malfunction or damage to the product, fire, and electric shock.



Please scan the QR code for more detailed product information.


[www.qlight.com](http://www.qlight.com)

## Ordering Specifications

<b>SNES-S</b>	-	<b>230</b>	-	<b>R</b>	-	<b>TI</b>
[Model number]		[Voltage]		[Color]		[Telephone Initiated]
• SNES-S		• 12-DC12V • 24-DC24V • 120-AC120V • 230-AC230V		R-Red A-Amber G-Green B-Blue		• TI-Telephone Initiated


## Product Specifications

### Explosion Proof Specifications

Model number	SNES-S-TI
Range of operating voltage	DC 12V or 24V AC 120V or 230V
Ex mark	IECEX - Ex db IIC T6 Gb ATEX –  II2G Ex db IIC T6 Gb
Ambient operating temperature	-40°C ≤ Ta ≤ 60°C
Explosion proof Zone	Zone1, Zone2
Protection rating	IP66

Zone definitions(Gas)	Zone 1	High risk gas/vapour(Gas)
	Zone 2	Medium risk gas/vapour(Gas)
Group definitions(Gas)	GROUP II A	Acetone, Petrol, Methanol, Propane, Toluene
	GROUP II B	Ethylene, City gas
	GROUP II C	Hydrogen, Acetylene, Carbon sulphide
Maximum surface temperature of electrical equipment	T1	450°C
	T2	300°C
	T3	200°C
Zone definitions(Dust)	T4	135°C
	T5	100°C
	T6	85°C
Group definitions(Dust)	Zone 21	High risk powder/dust(Dust)
	Zone 22	Medium risk powder/dust(Dust)
Group definitions(Dust)	GROUP II A	Ignitable fibers/flyings(more than 0.5mm)
	GROUP II B	Non-conductive dusts
	GROUP II C	Conductive dusts

### General Product Specification

Model number	Voltage	Current	Bulb specifications			Sound pattern and volume	Certificate	Weight	Color	Color
			Volts/Watts	Configuration	Part#					
SNES-S-TI	DC12V	23W	590mA	220V -350V	BGA2120 -BBC I type	47	• Warning sound (Buzzer) : Max.105dB		3.60kg	R-Red A-Amber G-Green B-Blue
	DC24V		450mA							
	AC120V		170mA							
	AC230V		80mA							
									4.25kg	

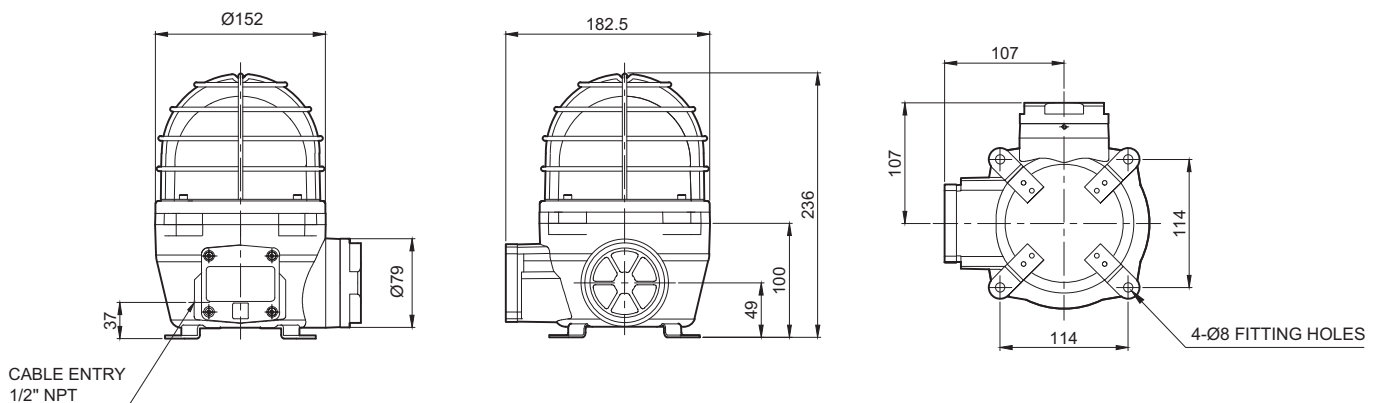
### Telephone lines rated power

- Rated Power when telephone lines are not in use: 45VDC to 55VDC
- Rated Power when telephone rings : AC25V to AC120V, Frequency 15-55Hz(Ring Ring signal sound)

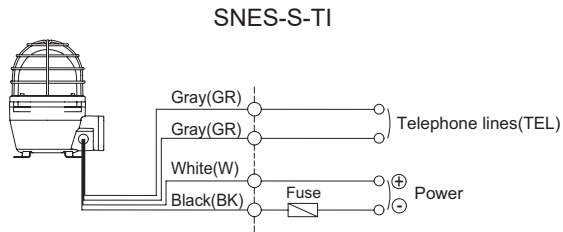
## Dimensions

(Units : mm)

SNES-S-TI

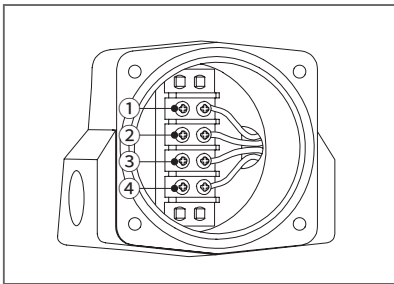


## Wiring Instructions



- External power line - UL1015 AWG18(0.75sq) x 2C 400mm
- External telephone lines - UL1007 AWG22(0.3sq) 400mm

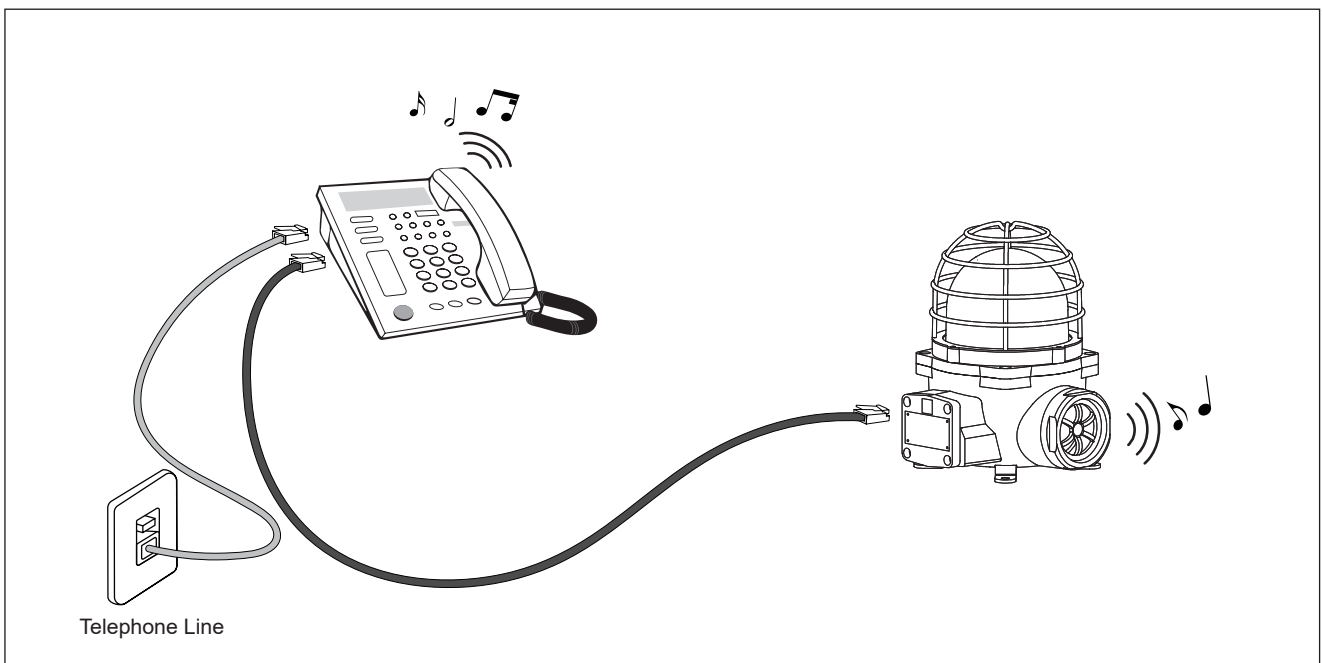
## Terminal Box Wiring Instructions



- Terminal block is located inside of the product. Unscrew the 4 bolts located in the upper body to get rid of the upper lighting element of the unit.
  - Please apply fork (U-type) or ring (O-type) locking spade terminal at naked tip of the wire for secure connection.
  - Connect the power line to the terminal ① and ②.
  - Connect the telephone signal cable to the terminal ③ and ④.
  - For AC type products, wire regardless of polarity.
  - For DC type products, wire terminal of black line to (-) polarity.
- ※ Applicable cable range : AWG16-AWG22

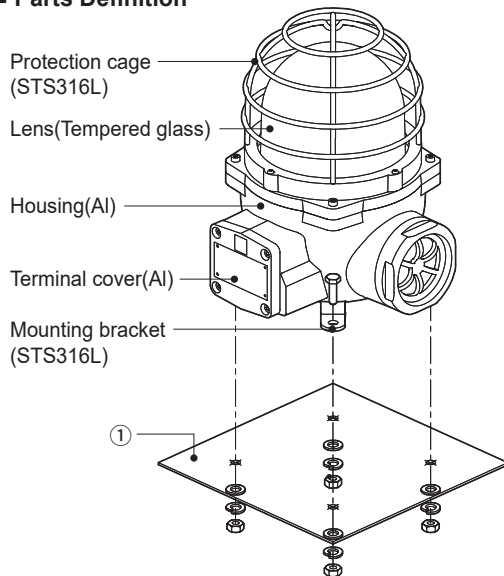
## Wiring method

- Supply power to the product, and connect the telephone line (2 LINE) to the PSTN telephone line (connected in parallel with the telephone)
- When the phone rings, a telephone controller recognizes a signal that activates a relay. Once the relay is activated, the signal light PCB & buzzer is powered on and beacon & buzzer will be operated.
- Beacon & buzzer will be stopped when an operator receives a phone call.



## Parts Definition/ Installation/ Mounting Hole Specifications

### ■ Parts Definition

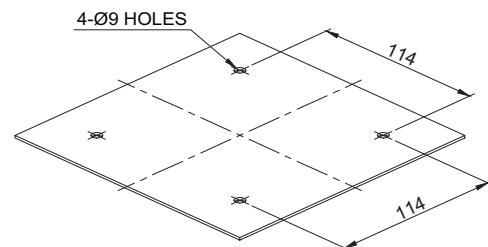


### ■ Installation

- First, machine holes on the mounting surface ①.
- The mounting hole of this product is 8mm in diameter.
- When machining taps, fasten the bolt through the mounting hole of the bracket.
- When machining holes, insert the bolt through the hole of the product, and tighten the nut from the opposite side of the mounting surface.

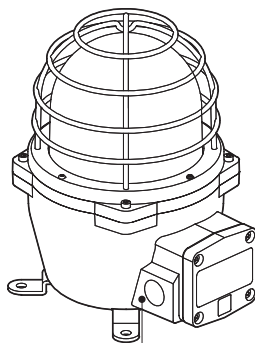
### ■ Mounting Hole Specifications

- Machine holes on the mounting surface referring to the diagram below.



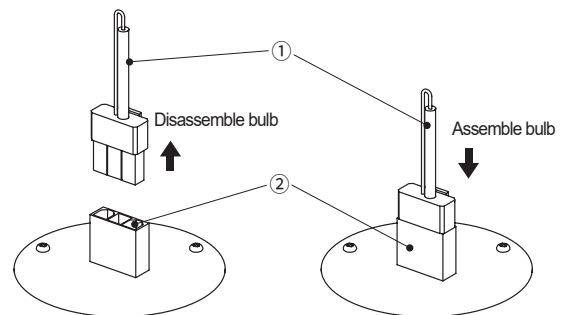
## Grounding Instructions/ Xenon Bulb Replacement Instructions

### ■ Grounding Instructions



- Please use an M4 bolt at the location marked in the diagram above to ground the product.
- When connecting the grounding cable, please use a ring terminal.
- Please use a grounding cable with a diameter greater than 4mm.

### ■ Xenon Bulb Replacement Instructions



- Please wait at least 30 minutes after turning off the power before replacing the xenon bulb.
- Please pull out the entire xenon bulb structure ① to disassemble while pushing the hook down.
- For xenon bulb assembly, please push down the connector portion of the xenon bulb structure to the connector pin location ② until it makes "clark" sound.

## Installation Environment and Protection Rating

- This product is designed to be explosion proof.
- Please make sure to use the product in an environment that meets the specified explosion proof rating and regulations.
- For further information, please visit our website (<http://www.qlight.com>).

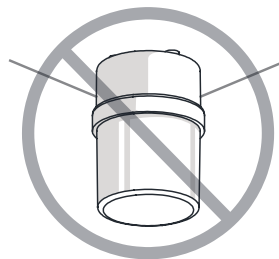
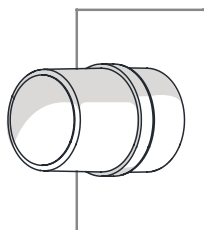
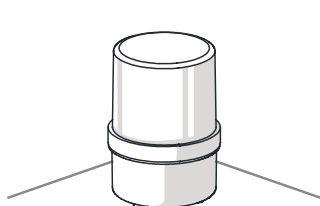
## Product installation direction

- Install the product in accordance with the manual. Otherwise rainwater or moisture may penetrate into the product.

### · BEACON/SIGNALING LIGHT

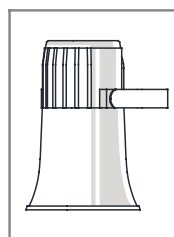
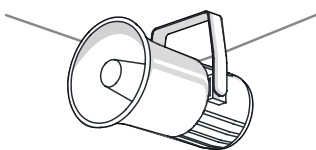
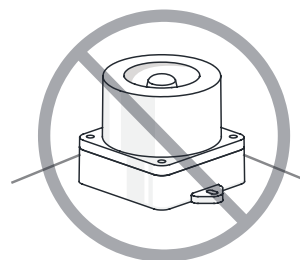
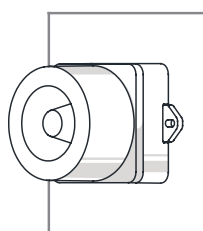
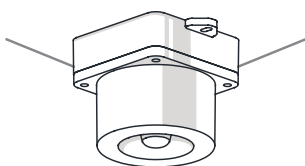
※ For products with a protection rating of less than IPX4, please install it vertically.

Power cord inlet part shall not be facing the sky.



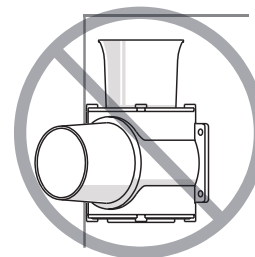
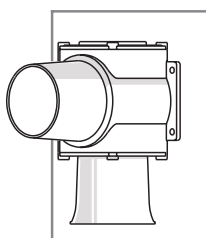
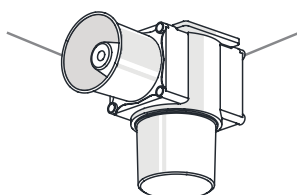
### · ELECTRONIC SOUNDER/SIGNAL HORN

Sounder part shall not be facing the sky.



### · HEAVY-DUTY & EXPLOSION PROOF SIGNALINGS

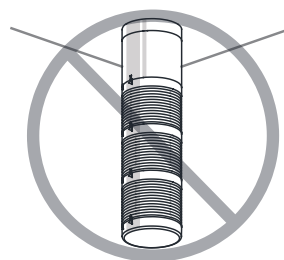
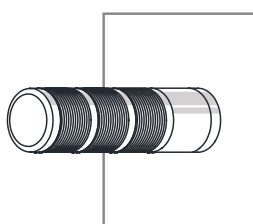
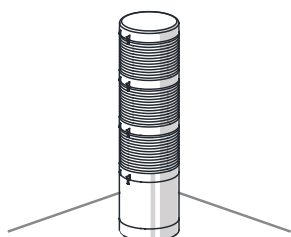
Sounder part shall not be facing the sky.



### · SIGNAL TOWER LIGHTS

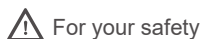
※ For products with a protection rating of less than IPX4, please install it vertically.

Power cord inlet part shall not be facing the sky.









For your safety

Specification and dimensions listed in this catalogue subject to change without notice for product quality improvement.  
The newest product information is available on our website.(www.qlight.com)  
Please read the instruction manual attached to the product carefully before installation and use.

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# Qlightec

Innovation in Alarm & Signal

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You can expect prompt service if you have exact information such as model name, symptom, telephone number and address.

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