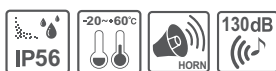
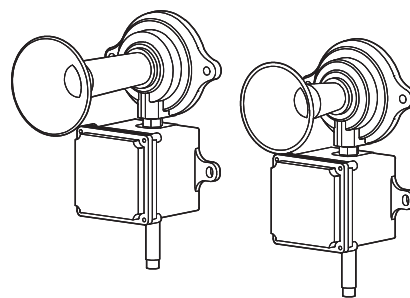


# Air Horns for Vessels and Heavy Industrial Applications

# SANA



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



## ⚠ Precautions 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.
7. If you need a product for use in a vehicle or in a place subject to severe vibration or impact, please contact us.

## Ordering Specifications

SANA200	220	R
[Model number]	[Voltage]	[Color]
• SANA200	• 24-DC24V	R-Red
• SANA400	• 110-AC110V	BK-Black
• SANA700	• 220-AC220V	7.5BG-Cian

## Product Specifications

Model number	Voltage	Current	Frequency	Volume	Certificate	Weight	Color
SANA200	DC24V	0.450A	200-300Hz	Max. 130dB	-	1.19kg	R-Red
SANA400	AC110V	0.200A	400-600Hz			1.13kg	BK-Black
SANA700	AC220V	0.100A	700-800Hz			1.07kg	7.5BG-Cian

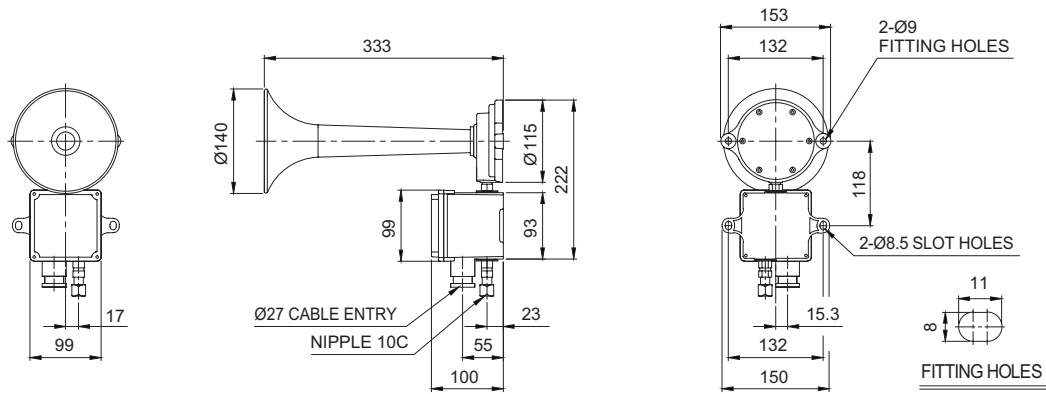
- Protection rating : IP56
- Ambient operating temperature : -20°C to +60°C



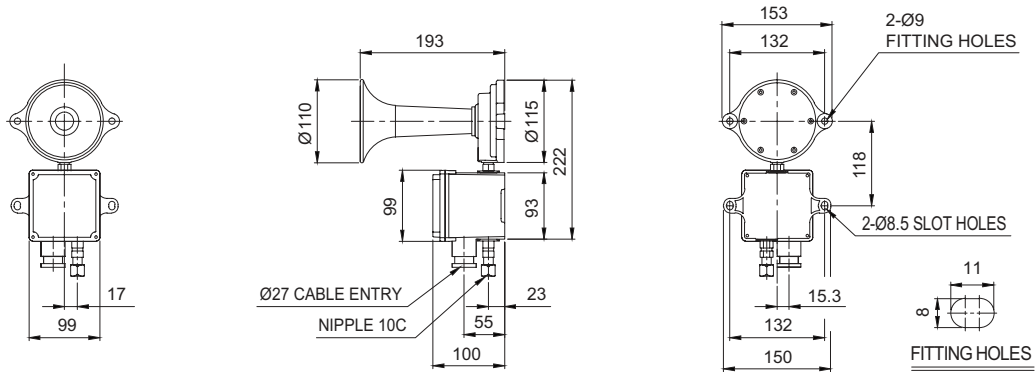
Please scan the QR code for more detailed product information.

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

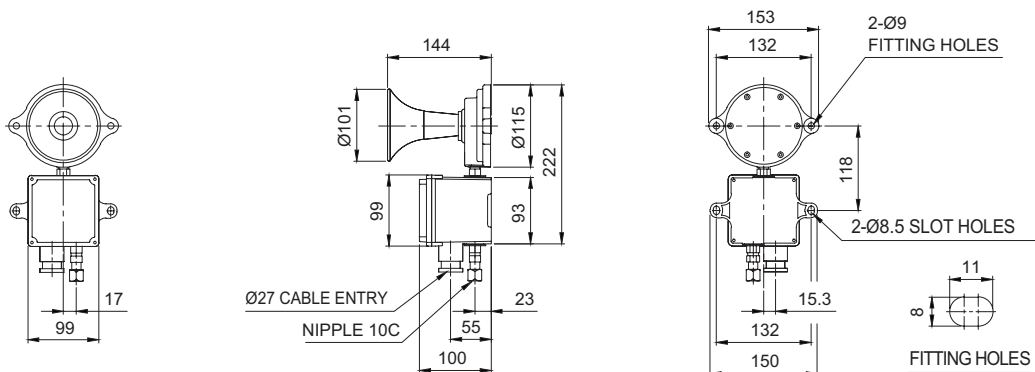
## SANA200



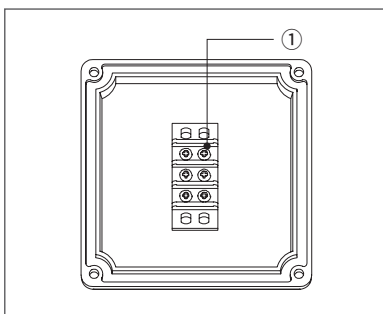
## SANA400



## SANA700



# Terminal Box Wiring Instructions

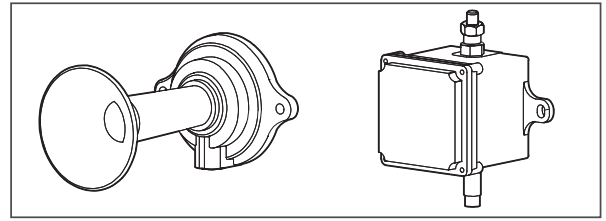
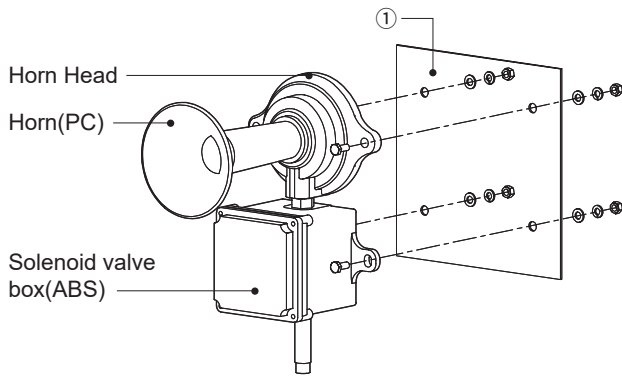


- There's terminal ① inside of Solenoid valve box. Please remove a cover by loosening the solenoid valve box's bolts.
- Please use 'O' type or 'U' type terminal at the end of power line for safe wiring.
- Please wire the power line to terminal ①
- For AC type products, wire regardless of polarity.
- For DC type products, wire terminal of black line to (-) polarity.
- Product can be damaged by water or dust if the air supplying area is exposed outdoor without air tightening.

※ Applicable cable range : AWG16-AWG22

## Parts Definition/ Installation/ Mounting Hole Specifications

### ■Parts Definition/Installation

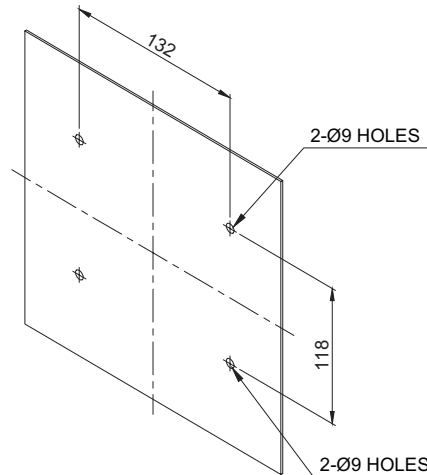


※ Solenoid valve box and horn part can be installed separately.

- First, machine taps or holes on the mounting surface①.
- The mounting hole of this product brackets are 9mm in upper diameter and 8.5mm in lower 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 bracket, and tighten the nut from the opposite side of the mounting surface

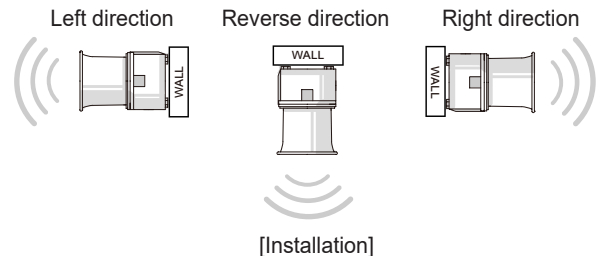
### ■Mounting Hole Specifications

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



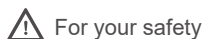
## Precautions for installation

- In case of outdoor applications, install the product in the upright position. Do not install the product horizontal or upside-down positions where water can potentially penetrate into the product and impact its operation.



## Installation Environment and Protection Rating

- This product is designed for use with protection rating of IP56.
- If the product is installed in locations that subject it to excessive dust or water other than the designated IP protection rating indicated(IP56), it may cause malfunction or damage to the product.
- For further information, please visit our website ([www.qlight.com](http://www.qlight.com)).



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.

*Qlight Co., Ltd. www.qlight.com | trade@qlight.com*

Head Office | Suite #1510, STX-V Tower, 128 Gasan digital 1-ro, Geumcheon-gu, Seoul, Korea

Tel. +82-2-2679-6152(Toll free. +82-80-328-2222) Fax. +82-2-2679-6154

Factory | 185-25, Mukbang-ro, Sangdong-myeon, Gimhae-si, Gyeongsangnamdo, Korea Tel. +82-55-328-1111(Toll free. +82-80-328-1111)

Qlight Overseas Sales Dept | 704 Nakdong-daero, Sasang-gu, Busan, Korea(Eomgung-Dong) Tel : +82-51-620-4100

Qlight Public Relations & Marketing Team Office | 704 Nakdong-daero, Sasang-gu, Busan, Korea(Eomgung-Dong) Tel. +82-51-245-0017

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*SHANGHAI Qlight Electronic Co., Ltd. www.qlight.com www.qlightcn.com | qlightcn@qlight.com*

China Factory/ Shanghai Sales Office | #Room 333 Building B, #11, Lane 450, Zhenda Road, Baoshan District, Shanghai, China

Tel. +86-2166517100 Fax. +86-2163153929

China Factory Site 2 (Qidong) | #33, Haiyan Road, Qidong High-tech Industrial Development Zone, Qidong, Jiangsu Province, China

Tel +86-513-8384-9999 Fax +86-513-8384-9910

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Product Operation Inquiry / Customer Support +82-51-620-4100

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

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Head office : Suite #1510, STX-V Tower, 128 Gasan digital 1-ro, Geumcheon-gu, Seoul, Korea (Postal Code : 08507)

Factory : 185-25, Mukbang-Ro, Sangdong-Myeon, Gimhae-Si, Gyeongsangnam-Do, Korea (Postal Code : 50805)

www.qlight.com

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