

# OPERATING MANUAL

## SEWN30T / SEWN30E / SEWN30L

### OPERATING MANUAL

#### Heavy Duty Signal Phone

Thank you for purchasing Q.Light product. Please read this manual carefully before installing this product for safe and long use.

#### 1) Product

- Heavy-duty product of aluminium housing type which is suitable to transmit signal for vessel, iron mill & outdoor plant.
- Possible to control volume level by using the built-in volume controller.
- Standard Body Color: MUNSELL NO. : 7.5BG 7/2
- Standard Horn Housing Color: Red
- Material: Body- DIECAST AL, Horn Housing-SUS316L
- Volume: 113~118dB/1m
- Protection Class: IP56
- Wall Mounting Type & Self-Standing Type & Terminal box attachment type

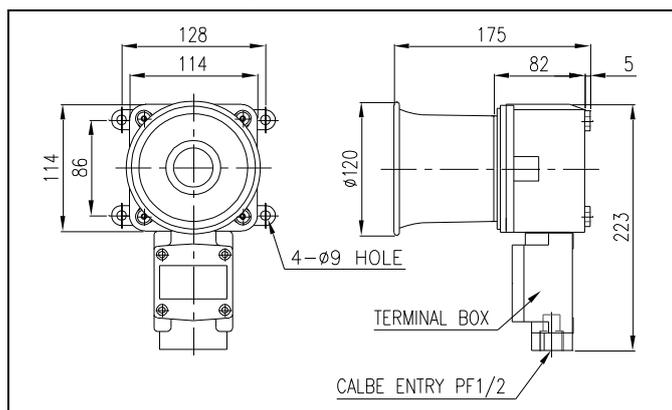
#### 2) Specification

##### 1) SEWN30T

###### • General Specification

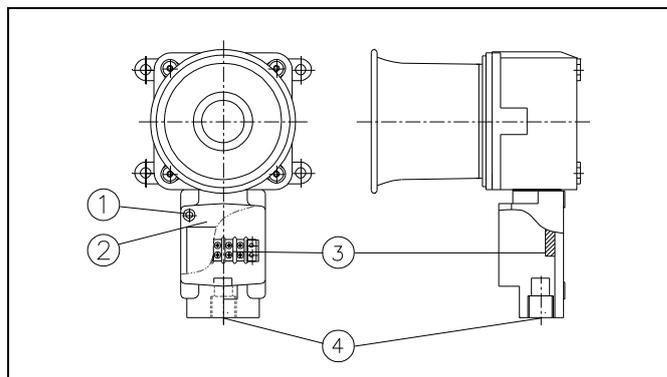
Model	Main Built-in Sounds	Volume (Max)	Voltage	Voltage/CURRENT	Weight
SEWN30T Terminal box attachment type	WS 5Warning Sounds	118dB	·DC12V ·DC24V ·AC110V ·AC220V	·DC12V /2.211A ·DC24V /1.022A ·AC110V /0.226A ·AC220V /0.113A	DC -2.23Kg AC -2.58Kg
	WP 5Special Warning Sounds	118dB			
	WM 5Melodies	118dB			
	WA 5Alarms	116dB			
	WV 3Voice Signals	113dB			

###### • External View Drawing



\* Upper product is wall mount type with terminal box.

###### • Product Structure

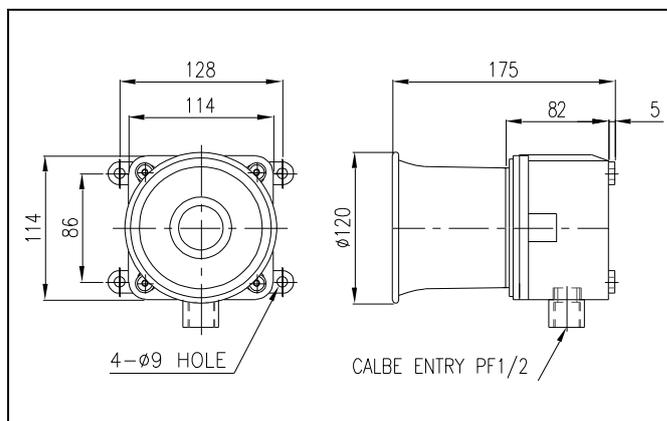


##### 2) SEWN30E

###### • General Specification

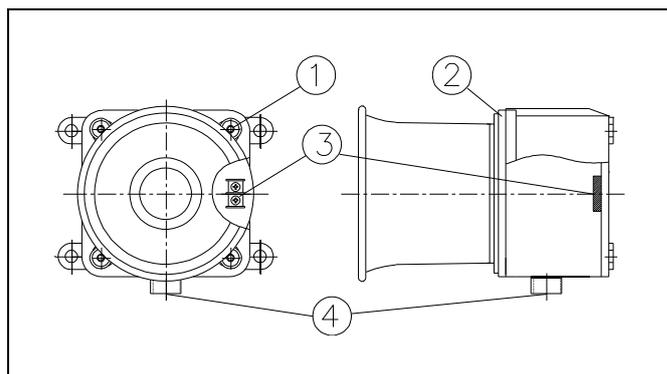
Model	Main Built-in Sounds	Volume (Max)	Voltage	Voltage/CURRENT	Weight
SEWN30E Wall Mounting Type	WS 5Warning Sounds	118dB	·DC12V ·DC24V ·AC110V ·AC220V	·DC12V /2.211A ·DC24V /1.022A ·AC110V /0.226A ·AC220V /0.113A	DC -1.76Kg AC -2.11Kg
	WP 5Special Warning Sounds	118dB			
	WM 5Melodies	118dB			
	WA 5Alarms	116dB			
	WV 3Voice Signals	113dB			

###### • External View Drawing



\* Upper product is wall mount type.

###### • Product Structure



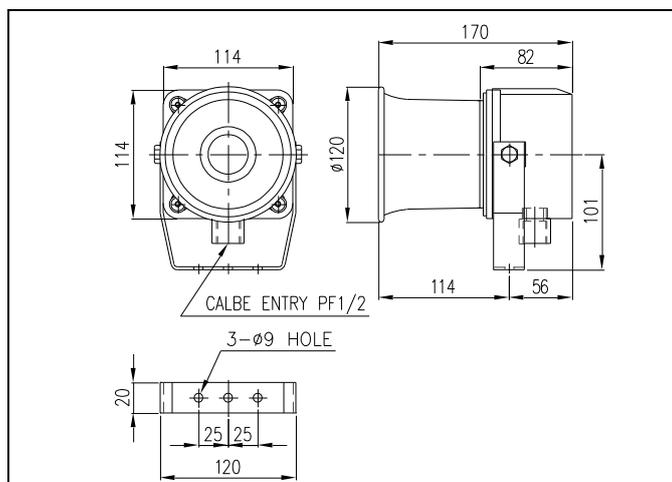
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## 3) SEWN30L

### • General Specification

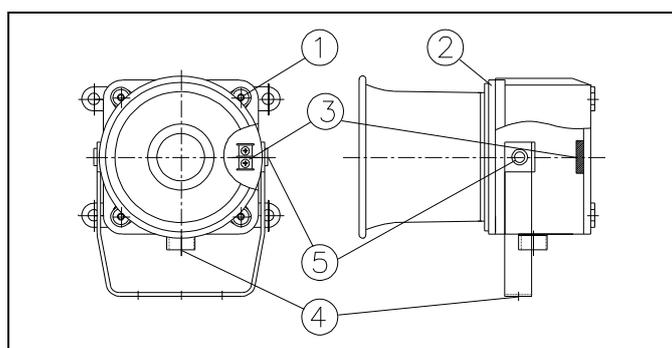
Model	Main Built-in Sounds	Volume (Max)	Voltage	Voltage/Current	Weight
SEWN30L Self- Standing Type	WS 5Warning Sounds	118dB	·DC12V ·DC24V ·AC110V ·AC220V	·DC12V /2.211A ·DC24V /1.022A ·AC110V /0.226A ·AC220V /0.113A	DC -1.74Kg AC -2.13Kg
	WP 5Special Warning Sounds	118dB			
	WM 5Melodies	118dB			
	WA 5Alarms	116dB			
	WV 3Voice Signals	113dB			

### • External View Drawing



\* Upper product is self-standing type with fitting bracket.

### • Product Structure



### \* Adjustment of Horn Housing Angle

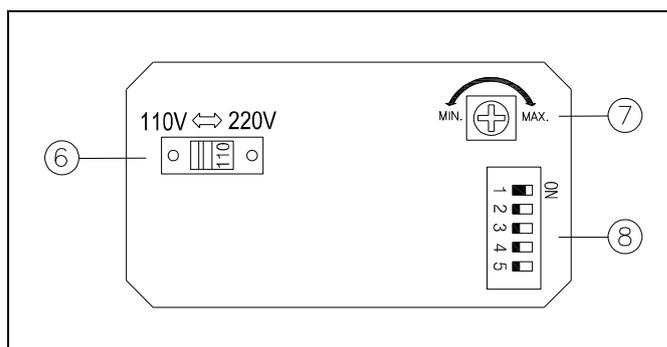
If the angle of horn housing(angle of signal transmission) needs adjustment, loose the bracket fixing bolt⑤ on side of body and adjust the angle. (Refer to structure drawing)

## 3 Sound Tone Combination of Standard Product

Main Built-in Sounds	CH	Sound Tone	DB(Max)
WS 5Warning Sounds	ch1 ch2 ch3 ch4 ch5	Fire A-ANG Sound Emergency WA-U Sound Ambulance PI-PO Sound Machinery Fault PI-PI Sound High-Expasion Foamrelease PI-Sound	118dB
WP 5 Special Warning Sounds	ch1 ch2 ch3 ch4 ch5	Fire A-ANG(Wail) Abandon Alarm Machinery Fault(PI-PI-PI-) Foam Release Alarm (PI~Continuous)	118dB
WM 5Melodies	ch1 ch2 ch3 ch4 ch5	Sweet Home For Elise Cuckoo Waltz Piano Sonata Turkish March	118dB
WA 5Alarms	ch1 ch2 ch3 ch4 ch5	Beep. intermittent Door chime Phone Ring sound PI PI PI. short interval Tripping bead sound	116dB
WV 3Voice Signals	ch1 ch2 ch3	Voice recording 3 channels	113dB

## 4 Selecting voltage, sound tone, control volume

This product has a volume controller, voltage selection switch and sound tone selection switch on assembling board for convenience. Refer to previous structure drawing, following drawing and explanation for right operating.



### • Selecting Voltage

### \* Warning !

Must turn off power supply. Converting switch during power supply can cause short circuit.

- Can choose one of AC110V and AC220V by using voltage selection switch⑥. **220V is already selected for standard product.**  
**Convert the switch to 110V if needed.**

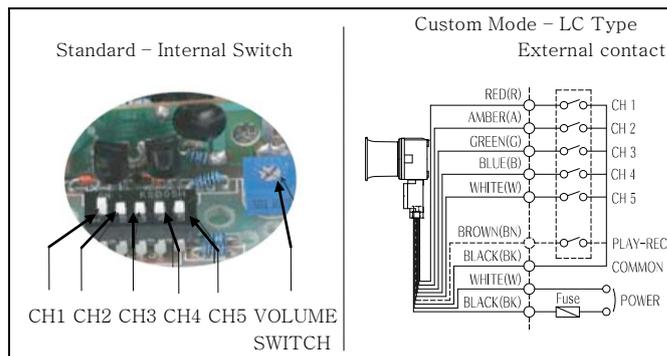
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## ▪ Sound Tone Selection (Standard Product)

Standard product has 5 sound tones built-in. Select one of them by using sound tone selection switch⑧.

## ▪ Volume Control

This product has volume controller⑦ built-in. Turn it to clockwise for increasing volume and turn it to counterclockwise for decreasing volume.



## 5 Wiring Instruction

Refer to structure drawing on previous pages and carefully read following explanation for correct manipulation.

### ■ SEWN30T

An extra terminal box is attached to this product. Open the cover② by loosening cover bolt(M5-4EA)① of terminal box.

### ■ SEWN30E/SEWN30L

SEWN30E/SEWN30L have terminal port built-in. Loosen cover bolt① and open the cover②.

### ■ General Information for All Products

- Treat the end of power cable by using “O” or “U” type terminal for safe wiring.
- Connect power cable to terminal port③.
- In case of product using AC voltage, connect the line without polarity(wire color).
- In case of product using DC voltage, black line is negative(-).
- Keep airtightness of cable entry④ by using water-proof connector(SEWN30E/L, SEWN30T:15C nipple is needed. Flexible connector#16 is supplied for standard specification) or cable grand. Product can be damaged by water or dust if the cable entry is exposed outdoor without airtightening.

### ■ Custom-made(LC) connection way to select sound by external contact point

- Custom-made(LC) which select sound by external contact point comes out power line and signal line outside. Please see below picture to connect.
- Power line: UL1015-NO.18(0.75sq)X2C 400mm
- Signal line: UL1007-NO.22(0.3sq) 400mm

### ※ Warning!

If you connect power line to Common line and each signal line, there's a sound badness. So please be careful.

## 6 Mounting

- This product is produced for outdoor installation. But, install with vertical right direction as long as possible.
- Refer to below information and drill necessary mounting holes on profitable part of the product. (Make sure PCD from external view drawing.)
- For SEWN30T/ SEWN30E, fix the product by using extra mounting bolt(M8-4EA).
- For SEWN30L, fix the product by using extra mounting bolt (M8-2EA).

## 7 Caution

- This is designed for explosion proof and water proof/dust proof product. **When releasing the product for checking, connecting etc, must keep airtight by making sure bolts.**
- If using voltage is seriously higher or lower than rated voltage, it can reduce the self-life of the product or can cause a problem on product operating. Make sure the using voltage does not exceed +/-5% of the rated voltage.
- If lens or body of the product is contaminated by chemicals such as thinner, benzene, the product can be damaged, discolored or deformed. Please be careful.

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## 8 Trouble shooting

Situation	Main reason	Solution
Sound Tone Deterioration or Volume Decreasing	Supplying Voltage Lower Than Rated Voltage	Making Sure Using Voltage
	Wrong operating Voltage Selection Switch (AC Voltage Type)	Checking Voltage Selection Switch
Too high sound tone than the standard	Supplying Voltage Higher than Rated Voltage	Making Sure Using Voltage
Output 2 kinds of sounds	Signal sound line short	Making Sure connection
	Problem Sound tone Selection Switch	Contact Q.Light or Their Agent
No sound	Problem with Horn	Contact Q.Light or Their Agent
	Wrong Wiring	Making Sure Wiring
	No Power Supply	Making Sure Power Supply

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