

OPERATING MANUAL

SPK

OPERATING MANUAL

Panel Type Signal Sounder

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

1 Pro

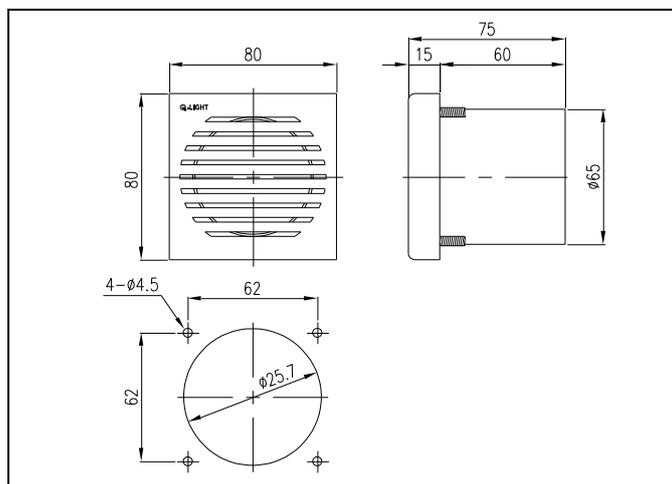
- Signal phone of panel-mounting type which transmits clear message by 8 poly sounds.
- Possible to select one of various sounds such as warning sound, melody and alarm according to the purpose.
- Suitable for information transmission for machine tools, control system of robotized production lines, power supply control systems and various kinds of automatic vending machines.
- Material: ABS
- Volume (Max): 85dB/m
- Protection Class: IP23
- Operating Temperature: -20 °C -50 °C

2 Spe

General Specification

Model	Main Built-in Sounds	DB(Max)	Voltage	Current	Weight
SPK	WS	5Warning Sounds	85dB	.DC12V /0.288A	DC -0.19Kg
	WP	5 Special Warning Sounds	85dB	.DC12V /0.200A .DC24V /0.200A	
	WM	5Melodies	85dB	.AC110V /0.046A .AC220V /0.023A	AC -0.21Kg
	WA	5Alarms	85dB	.AC220V /0.023A	

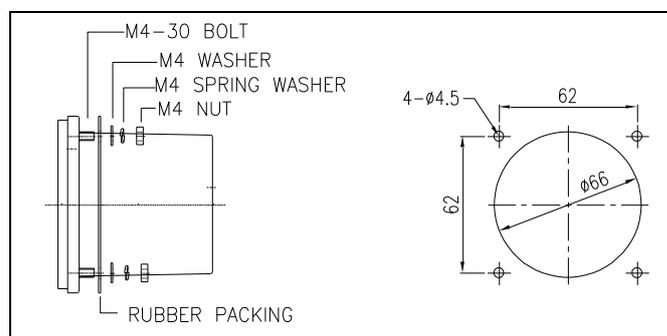
External View Drawing



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-Expansion Foam release PI-Sound	85dB
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)	85dB
WM	5Melodies	ch1 ch2 ch3 ch4 ch5	Sweet Home For Elise Cuckoo Waltz Piano Sonata Turkish March	85dB
WA	5Alarms	ch1 ch2 ch3 ch4 ch5	Beep. intermittent Door chime Phone Ring sound PI.PI.PI. short interval Tripping bead sound	85dB

4 Product Structure



5 Wiring Instruction

Please refer to the structure drawing and explanation below for the right wiring.

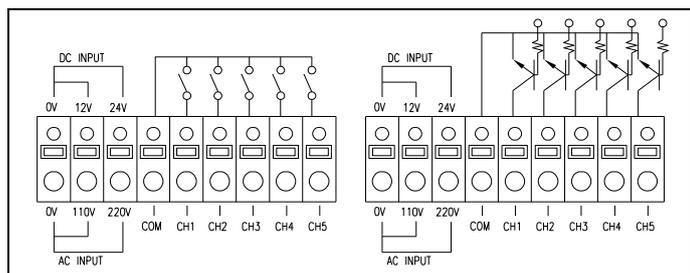
- This product has a terminal port in the back side.
- Please connect power line to the terminal port after checking the voltage.
- In case of AC voltage product, please connect the line regardless of the polarity(wire color).
- In case of DC voltage product, Black line is negative(-).

※ WARNING !

- Please supply the same voltage from original specification and the voltage indicated on the back side of the product.

OPERATING MANUAL

• Wiring Diagram



6 Selecting sound tone/control volume

This product has sound tone selection switch and volume controller on the back side. Refer to the structure drawing in 4) and explanation below for the right operating

• Method of Sound Tone Selection

You can select one sound tone among NO.1~NO.8 of sound tone combination chart below. According to the purpose of usage, please select and make a combination of the sound by using switch ① on the back side.

• Sound Tone Combination

► For WS(Warning Sound) / WP(Special Warning Sound):

There are 7 kind of warning sounds(WS/WP) and you can select each sound tone by using the switch ① on the back. Totally 8 kinds of sound tone combinations can be made with 5 channels as below.

Sound tone number	ON	Sound Tone Combination(5CH)				
	OFF	ch1	Ch2	Ch3	Ch4	Ch5
NO1		Fire AANG (Wail)	Emergency WAU (Yelp)	Ambulance PI-PO (High-Low)	Machinery Fault (PIPI-PI-)	Foam Release Alarm (PI-Continuous)
NO2		Fire AANG (Wail)	Abandon Alarm~	Machinery Fault(PIPI-PI-)	Release Alarm (PI-Continuous)	General Alarm : Long PI after 7 Short PI

NO3		Fire AANG(Wail)	Emergency WAU(Yelp)	Abandon Alarm~	Machinery Fault(PIPI-PI-)	Foam Release Alarm (PI-Continuous)
NO4		Fire AANG(Wail)	Ambulance PI-PO (High-Low)	Machinery Fault(PIPI-PI-)	Foam Release Alarm (PI-Continuous)	General Alarm : Long PI after 7 Short PI
NO5		Emergency WAU(Yelp)	Ambulance PI-PO (High-Low)	Abandon Alarm~	Machinery Fault(PIPI-PI-)	Foam Release Alarm (PI-Continuous)
NO6		Fire AANG(Wail)	Emergency WAU(Yelp)	Ambulance PI-PO (High-Low)	Abandon Alarm~	General Alarm : Long PI after 7 Short PI
NO7		Fire AANG(Wail)	Ambulance PI-PO (High-Low)	Abandon Alarm~	Foam Release Alarm (PI-Continuous)	General Alarm : Long PI after 7 Short PI
NO8		Emergency WAU(Yelp)	Ambulance PI-PO (High-Low)	Abandon Alarm~	Machinery Fault(PIPI-PI-)	General Alarm : Long PI after 7 Short PI

► For WM(Melody)/WA(Alarm):

There're 13 sound(WM/WA) and can select each sound tone by using the switch ① on the back. Total 8 sound tone combinations are available with 5 channels each as below.

Sound tone number	ON	Sound Tone Combination(5CH)				
	OFF	ch1	ch2	ch3	ch4	ch5
						
						

OPERATING MANUAL

NO11		Sweet Home	For Elise	Cuckoo's Waltz	Piano Sonata	Turkish March
NO12		Beep (Intermittent)	Door Chime	Phone Ring Sound	PI-PI-PI (Short Interval)	Tripping Bead Sound
NO13		Sweet Home	Piano Sonata	Magic Flute	Door Chime	PI-PI-PI (Short Interval)
NO14		Magic Flute	Badinerie	Pineapple Rag	Sweet Home	For Elise
NO15		Cuckoo's Waltz	Piano Sonata	Door Chime	Phone Ring Sound	Tripping Bead Sound
NO16		Sweet Home	Turkish March	Beep (Intermittent)	Door Chime	Phone Ring Sound
NO17		Sweet Home	Piano Sonata	Turkish March	Door Chime	PI-PI-PI (Short Interval)
NO18		Piano Sonata	Turkish March	Magic Flute	Beep (Intermittent)	Phone Ring Sound

Method of Volume Control

This product has volume controller^② on the back side. Turn it clockwise for increasing volume or turn it counterclockwise for decreasing volume.

7 Mounting

- This product was manufactured for the indoor use. Installing in any direction is okay for indoor use.
- Outdoor use is limited at a place where no water or very little water percolates.
- Mount at the place where exists low vibration, impact, moisture and dust as long as possible.
- Fix the product by using mounting bolt (M4-4EA) originally equipped. (Please check PCD from the structure drawing.)

8 Caution

- If the using voltage goes seriously higher or lower than the rated voltage, it can cause the reduction of the life span or cause an operating problem. Make sure the voltage does not exceed +/-5% of the rated voltage..
- Please keep the product from chemical substance such as thinner or benzene. Lens or body of the product can be damaged, discolored or deformed by chemicals.
- Strong impact to the product can cause malfunction.

9 Trouble shooting

Situation	Main reason	Solution
Sound tone deterioration or Volume decreasing	Voltage is lower than rated voltage	Check using voltage
Too high sound tone than the standard	Voltage is higher than rated voltage	Check using voltage
Mixed sound	Signal sound line short	Check connection
	Problem sound tone selection switch	Contact QLight or the agent
No sound	Wrong wiring	Check wiring
	No power supply	Check power supply

For A/S & Information about Product

QLIGHT CO., LTD.

<http://www.qlightkr.com>

E-mail: qlightkr@qlightkr.com

Overseas Marketing Team / Plant

Tel) 055-328-4082 Fax) 055-328-3883

185-25 Mukbang-ro Sangdong-Myun, Gimhae-Si, Gyeongsangnam-do, Korea