Wall Mount Dome Type Signal Light with Electrical Horn

Siren Buzzer 105dB, Electric Horn 100-115dB

- 6 Bit input, 5 sound tones for each group
- Binary input 30 sound tones output
  SD Card(MP3) support

• Sound Tone Selection & Volume Control

QAD series are the combination of dome type signal lights and electric horn that allow sound tone selection and volume control through a built-in control panel.

QAD series (external sound product) can the support MP3 format through SD Card. (QAD100H/ QAD125H)

Multi-functional Product

• How to Setup

1. Sound setup switch
2. SD Card for MP3 play
3. Play mode set up switch
4. Volume

• Sound Setup Switch

Built-in sound and user-defined sound is toggled by using the sound setup switch '1'.

```
        1    2    3    4
ON  (1) [ ]  [ ]  [ ]  [ ]
OFF (0) [█]  [█]  [█]  [█]
```

Group Choice in Bit Input Mode
001 : WS (5 Warning sounds)
010 : WP
(5 special warning sounds 1st group)
011 : WM (5 Melodies)
100 : WA (5 Alarms)
101 : WO
(5 special warning sounds 2nd group)
110 : WN
(5 special warning sounds 3rd group)

Sound Selection
0 : Built-in sound
1 : SD Card(MP3)

- Built-in sounds(5WS, 5WP, 5WM, 5WA, 5WO and 5WN)
- Support SD Card(MP3)
- Binary Input : 30Ch
- Bit input : 5Ch(6 groups)
- Support MP3 format through SD Card
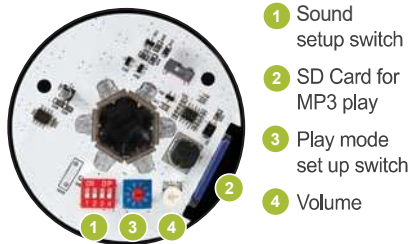- Detailed instructions for multi-functional products are shown on page 28

Common Specifications(QAD80/ QAD100/ QAD125)

- Combination of warning light and horn allow for both visual and audible signal transmission at once
- Flashing rate : 60-80 flashes/min(Built-in Steady-Flash selection switch)
- Appropriate sound tones can be chosen depending on the various working environment among various available sound tones
- Sound tone selector and volume controller in front of the device allows for convenient use
- SD Card type allows user defined sound tone
- Built-in 30 sound tones, Support Binary and Bit input modes
- Bit input mode consists of 5 sound types with 6 groups. Choose one of the groups to play 5 sounds.(MP3 does not support group)
- MP3 support(QAD100H/ QAD125H)
- Materials : Lens - PC, Housing - ABS
- Ambient operating temperature : -30°C to +50°C
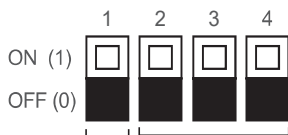- Protection rating : IP65
- Compliant with RoHS directive

30 Built-in sounds

Multi-functional product has built-in 30 sound tones

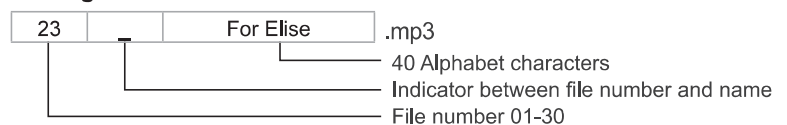| Sound	Category	Ch	Sound Tone	Sound	Category	Ch	Sound Tone
WS	5 warning sounds	Ch1	Fire.A-ANG	WA	5 alarms	Ch1	Beep Intermittent
		Ch2	Emergency WA-U(Yelp)			Ch2	Door Chime
		Ch3	Ambulance PI-PO(Hi-low)			Ch3	Phone Ring
		Ch4	Machinery Fault			Ch4	PI.PI.PI Short
		Ch5	High Expansion			Ch5	Tripping Beat
WP	5 special warning sounds (1st group)	Ch1	Fire.A-ANG	WO	5 special warning sounds (2nd group)	Ch1	Rel rel rel
		Ch2	Abandon Alarm			Ch2	Slow Ambulance PI-PO
		Ch3	Machinery Fault			Ch3	Wye yong Wye yong
		Ch4	High Expansion			Ch4	Phone ring 2
		Ch5	7 Short PI. / 1 Long			Ch5	Fire.A-ANG
WM	5 melodies	Ch1	Sweet Home	WN	5 special warning sounds (3rd group)	Ch1	Oit Oit
		Ch2	For Elise			Ch2	Pi o Pi o
		Ch3	Cuckoo's Waltz			Ch3	Slow Di o Di o
		Ch4	Piano Sonata			Ch4	Li long Li ling
		Ch5	Turkish March			Ch5	911 Siren

User-defined sound (MP3)

User-defined sound(MP3) type

Customer can create a playlist and grouping conveniently through PC. Product supports up to 32Gbyte. SD Card is an optional item.
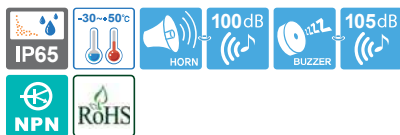
*SD Card needs to be purchased.

MP3 file naming

```
23  _  For Elise  .mp3
```
40 Alphabet characters
Indicator between file number and name
File number 01-30

QAD series

Signal/ LED Warning Lights with High Volume Built-in Buzzer

IP65 | -30~+50℃ | HORN 100dB | BUZZER 105dB
NPN | RoHS

- **6 Bit input, 5 sound tones for each group**
- **Binary input 30 sound tones output**

QAD80 series

QAD80 does not support SD Card.

QAD series buzzer and electric sound is rich and clear because the RESONANCE CHAMBER amplifies the sound.

⚠ **Do not supply power into the signal line. Product may be damaged as a result**

- Once powering on, signal light will work. However, the speaker will require additional wiring.

QAD80H Wall Mount Type LED Steady/ Flash & Electric Horn

- Built-in sound

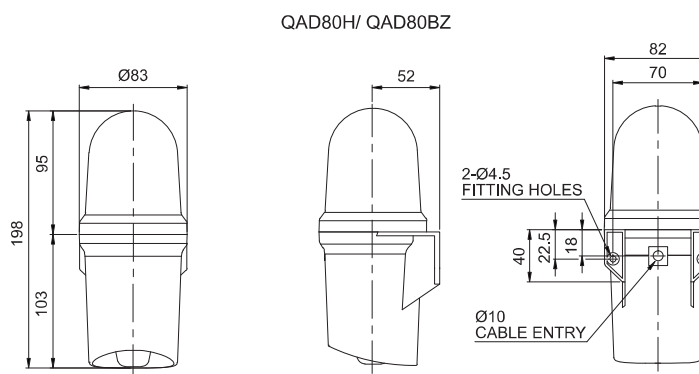| Model number	Voltage	Current	Sound Pattern and volume	Certificates	Weight	Color
QAD80H	DC12V-24V	Max 0.640A	• Bit Input : 5Ch • Binary Input: 30Ch • Warning sounds : Max 100dB	-	0.70kg	● R-Red ● A-Amber ● G-Green ● B-Blue

※ Operating range for DC model : DC10V-30V

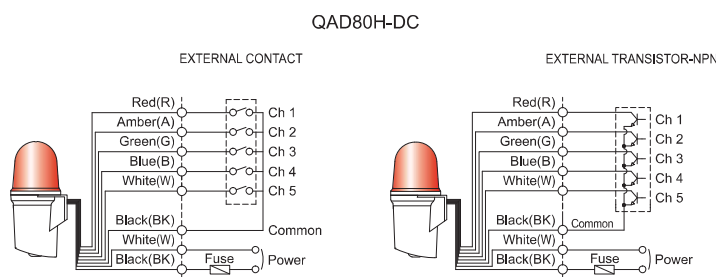### QAD80BZ Wall Mount Type LED Steady/ Flash & Strong Buzzer

- Built-in strong buzzer

Model number	Voltage	Current	Sound Pattern and volume	Certificates	Weight	Color
QAD80BZ	DC12V	0.500A	• Buzzer Volume : Max 105dB	-	0.75kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	DC24V	0.270A			0.75kg	

Technical Diagram   (Units : mm)

QAD80H/ QAD80BZ

Ø83 · 95 · 198 · 103 · 52 · 82 · 70 · 2-Ø4.5 FITTING HOLES · 40 · 22.5 · 18 · Ø10 CABLE ENTRY

Wiring Instructions

QAD80H-DC

EXTERNAL CONTACT

Red(R) · Amber(A) · Green(G) · Blue(B) · White(W) · Ch 1 · Ch 2 · Ch 3 · Ch 4 · Ch 5 · Black(BK) · Common · White(W) · Black(BK) · Fuse · Power

EXTERNAL TRANSISTOR-NPN

Red(R) · Amber(A) · Green(G) · Blue(B) · White(W) · Ch 1 · Ch 2 · Ch 3 · Ch 4 · Ch 5 · Black(BK) · Common · White(W) · Black(BK) · Fuse · Power

- External power line standard, UL1015 AWG18(0.75sq)×2C 400mm
- Signal line standard, UL1007 AWG22(0.3sq) 400mm
- Product can be wired regardless of polarity
- In case of 6 Bits input, 5 sound tones can be played. For Binary input, 30 sound tones can be played

※ Detailed instructions for multi-functional products are shown on page 28.
(Wiring Instructions substitutes for channel selection switch)

Ordering Specification

QAD80H	-	12/24	-	R
[Model number]		[Voltage]		[Color]

- QAD80H
- QAD80BZ

- 12/24-DC12V-24V
- 12-DC12V
- 24-DC24V

● R-Red
● A-Amber
● G-Green
● B-Blue

Signal/ LED Warning Lights with High Volume Built-in Buzzer

Qlight

| IP65 | -30~+50℃ | HORN 100dB | BUZZER 105dB |
| SD mp3 | 95dB | NPN | RoHS |

- **6 Bit input, 5 sound tones for each group**
- **Binary input 30 sound tones output SD Card(MP3) support**

QAD100 series

QAD series buzzer and electric sound is rich and clear because the RESON-ANCE CHAMBER amplifies the sound.

⚠ **Do not supply power into the signal line. Product may be damaged as a result**

- Once powering on, signal light will work. However, the speaker will require additional wiring.

🔔 QAD100H Wall Mount Type LED Steady/ Flash & Electric Horn

- Built-in sound/ MP3

Model number	Voltage	Current	Sound Pattern and Volume	Certificates	Weight	Color
QAD100H	DC12V-24V	Max 1.055A	• Bit Input : 5Ch • Binary Input : 30Ch • Warning : Max 100dB • MP3 : Max 95dB	-	0.92kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	AC110V-220V	Max 0.360A			0.94kg	

※ DC type model has a free-voltage range of 10V-30V.
※ AC type model has a free-voltage range of 100V-240V.

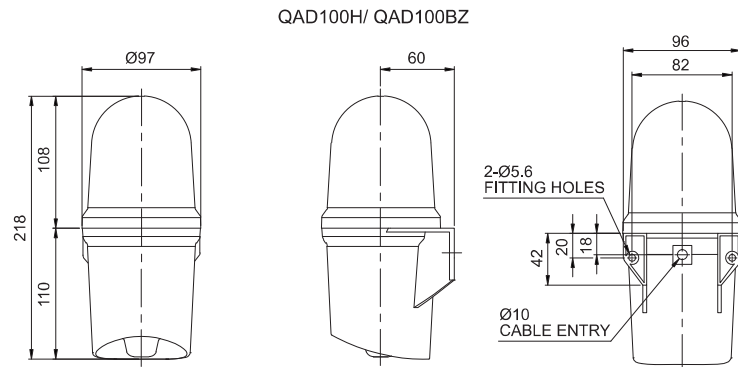## 🔔 QAD100BZ Wall Mount Type LED Steady/ Flash & Strong Buzzer

- Built-in strong buzzer

Model number	Voltage	Current	Sound Pattern and Volume	Certificates	Weight	Color
QAD100BZ	DC12V	0.550A	• Buzzer Volume : Max 105dB	-	0.98kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	DC24V	0.300A				
	AC110V-220V	Max 0.100A			1.01kg	

※ AC type model has a free-voltage range of 100V-240V.

📐 Technical Diagram (Units : mm)

QAD100H/ QAD100BZ

Ø97 · 108 · 218 · 110 · 60 · 96 · 82 · 2-Ø5.6 FITTING HOLES · 42 · 20 · 18 · Ø10 CABLE ENTRY

Wiring Instructions

QAD100H-DC/AC

EXTERNAL CONTACT

Red(R) Amber(A) Green(G) Blue(B) White(W) — Ch 1, Ch 2, Ch 3, Ch 4, Ch 5
Black(BK) White(W) Black(BK) — Common, Fuse, Power

EXTERNAL TRANSISTOR-NPN

Red(R) Amber(A) Green(G) Blue(B) White(W) — Ch 1, Ch 2, Ch 3, Ch 4, Ch 5
Black(BK) White(W) Black(BK) — Common, Fuse, Power

- External power line standard, UL1015 AWG18(0.75sq)×2C 400mm
- Signal line standard, UL1007 AWG22(0.3sq) 400mm
- Product can be wired regardless of polarity
- In case of 6 Bits input, 5 sound tones can be played. For Binary input, 30 sound tones can be played

※ Detailed instructions for multi-functional products are shown on page 28.
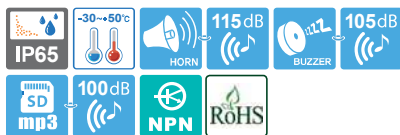(Wiring Instructions substitutes for channel selection switch)

Ordering Specification

QAD100H	-	**110/220**	-	**R**
[Model number]		[Voltage]		[Color]
• QAD100H • QAD125H		• 12/24-DC12V-24V • 110/220-AC110V-220V		● R-Red ● A-Amber ● G-Green ● B-Blue

Signal/ LED Warning Lights with High Volume Built-in Buzzer

Qlight

IP65 | -30~+50℃ | HORN 115dB | BUZZER 105dB
SD mp3 | 100dB | NPN | RoHS

- **6 Bit input, 5 sound tones for each group**
- **Binary input 30 sound tones output SD Card(MP3) support**

QAD125 series

QAD series buzzer and electric sound is rich and clear because the RESON-ANCE CHAMBER amplifies the sound.

⚠ **Do not supply power into the signal line. Product may be damaged as a result**

- Once powering on, signal light will work. However, the speaker will require additional wiring.

QAD125H Wall Mount Type LED Steady/ Flash & Electric Horn

- Built-in sound/MP3

Model number	Voltage	Current	Sound Pattern and Volume	Certificates	Weight	Color
QAD125H	DC12V-24V	Max 1.055A	• Bit Input : 5Ch • Binary Input : 30Ch • Warning : Max 115dB • MP3 : Max 100dB	-	1.12kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	AC110V-220V	Max 0.360A			1.14kg	

※ DC type model has a free-voltage range of 10V-30V.
※ AC type model has a free-voltage range of 100V-240V.
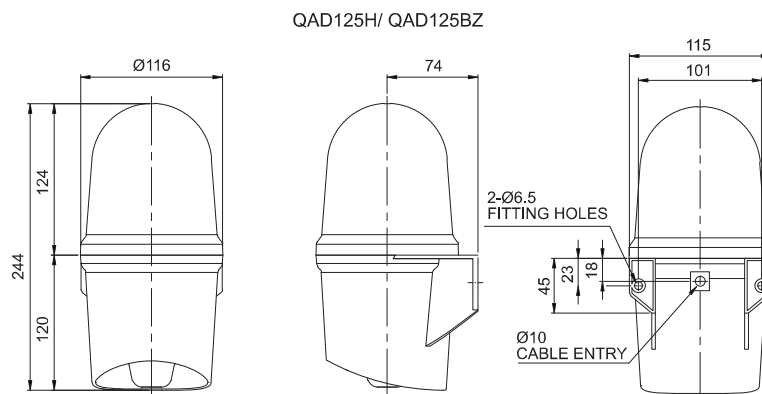
QAD125BZ Wall Mount Type LED Steady/ Flash & Strong Buzzer
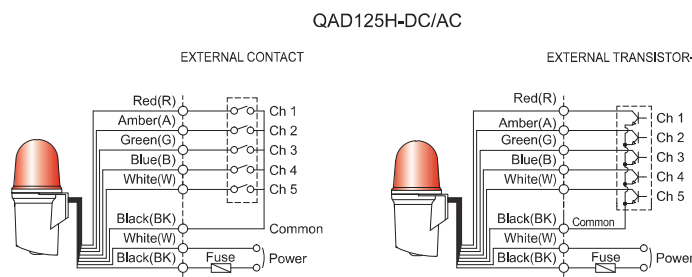
- Built-in strong buzzer

Model number	Voltage	Current	Sound Pattern and Volume	Certificates	Weight	Color
QAD125BZ	DC12V	0.550A	• Buzzer Volume : Max 105dB	-	1.22kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	DC24V	0.300A				
	AC110V-220V	Max 0.100A			1.27kg	

※ AC type model has a free-voltage range of 100V-240V.

Technical Diagram (Units : mm)

QAD125H/ QAD125BZ

Ø116 | 124 | 244 | 120 | 74 | 115 | 101 | 2-Ø6.5 FITTING HOLES | 45 | 23 | 18 | Ø10 CABLE ENTRY

Wiring Instructions

QAD125H-DC/AC

EXTERNAL CONTACT
Red(R) / Amber(A) / Green(G) / Blue(B) / White(W) — Ch 1 / Ch 2 / Ch 3 / Ch 4 / Ch 5
Black(BK) — Common
White(W) / Black(BK) — Fuse — Power

EXTERNAL TRANSISTOR-NPN
Red(R) / Amber(A) / Green(G) / Blue(B) / White(W) — Ch 1 / Ch 2 / Ch 3 / Ch 4 / Ch 5
Black(BK) — Common
White(W) / Black(BK) — Fuse — Power

- External power line standard, UL1015 AWG18(0.75sq)×2C 400mm
- Signal line standard, UL1007 AWG22(0.3sq) 400mm
- Product can be wired regardless of polarity
- In case of 6 Bits input, 5 sound tones can be played. For Binary input, 30 sound tones can be played

Ordering Specification

QAD125BZ	-	24	-	R
[Model number]		[Voltage]		[Color]
• QAD100BZ • QAD125BZ		• 12-DC12V • 24-DC24V • 110/220-AC110V-220V		● R-Red ● A-Amber ● G-Green ● B-Blue

Warning/ Signal/ Stackable

Signal & Electric Horn/ Speakers

Vessels and Heavy-Duty Equipment

Explosion Proof

Warning Light Bar

Aviation Obstruction Lights

Signal Tower Lights

USB/ETN Signal Tower Lights

Wireless Network System

Electric Horn/ Speakers

Industrial LED Lights