Revolving Warning Light

Compact / Small / Large LED Revolving Warning Lights

	RLE	RHE	SKHE	RLR
Model Name	Compact LED Revolving Warning Light	Small LED Revolving Warning Light	Small LED Revolving Warning Light	Extreme Vibration Resistant Large LED Revolving Warning Light
Model	RLE	RHE	SKHE	RLR
Rated Voltage	12V DC, 24V DC, 100V AC, 220V AC	12V DC, 24V DC, 48V DC, 100V AC, 200V AC	12V DC, 24V DC, 100V AC, 200V AC	12/24V DC, 48V DC, 100 - 240V AC
Size (mm)	φ82	φ100	φ118	φ162
IP	23 (55 when mount rubber –sold separately– is used)	23 (55 when mount rubber –sold separately– is used)	23	66
Buzzer sound pressure in dB (at a distance of 1m)		Typ.88	Typ.88	
Body		ABS	ABS (bracket part)	ABS
Globe	ABS	Polycarbonate	AS	Polycarbonate
Light Source	Polycarbonate	LED	LED	LED
Terminal Block	LED	O		
Open collector				
CE Marking		O (12V DC, 24V DC, 48V DC)	O (12V DC, 24V DC)	O (12/24V DC, 48V DC, 100-240V AC)
RoHS		O (all)	O (all)	O (12/24V DC, 48V DC)
UL Standard		O (UL model) 12V DC, O (UL model) 24V DC		
Other				
Explosion protection				

Wall-Mounted / Small / Medium Revolving Warning Lights

	WH-A	SKH-EA	SKP-A	KP-A
Model Name	Wall-Mounted Small Revolving Warning Light	Small Revolving Warning Light	Medium Revolving Warning Light	Medium Revolving Warning Light
Model	WH-A	SKH-EA	SKP-A	KP-A
Rated Voltage	24V DC, 100V AC, 200V AC	12V DC, 24V DC, 100V AC, 200V AC	12V DC, 24V DC, 48V DC, 100V AC, 200V AC	24V DC, 100V AC, 200V AC
Size (mm)	φ100	φ100	φ138	φ162
IP	54 (23 with buzzer)	23	23	23
Buzzer sound pressure in dB (at a distance of 1m)	90			
Body	ABS	Steel Plate (coated)	Steel Plate (coated)	AES
Globe	Polycarbonate	AS	Polycarbonate	AS
Light Source	Bulb	Bulb	Bulb	Bulb
Terminal Block				
Open collector				
CE Marking	O (24V DC)	O (12V DC, 24V DC)	O (12V DC, 24V DC)	O (24V DC)
RoHS				
UL Standard				
Other	Switch box compatible			
Explosion protection				

Large Revolving Warning Lights

	SKC-A	HP	KG
Model Name	Large Revolving Warning Light	Large Revolving Warning Light	Large Revolving Warning Light
Model	SKC-A	HP	KG
Rated Voltage	12V DC, 24V DC, 100V AC, 200V AC	12V DC, 24V AC	12V DC, 24V AC, 100V AC
Size (mm)	φ187	φ180	φ186
IP	23		23
Buzzer sound pressure in dB (at a distance of 1m)			
Body	Steel Plate (coated)	ABS	ABS
Globe	AS	AS	Yellow: polystyrene Red: AS
Light Source	Bulb	Halogen	Bulb
Terminal Block			
Open collector			
CE Marking	O (12V DC, 24V DC)		
RoHS			
UL Standard			Two-sided mirror
Other	Two-sided mirror		
Explosion protection			

Table 1

	RU/RS					RH-A						SKH-A				
Page number	Page 120					Page 121						Page 122				
Model Name	Compact Revolving Warning Light					Small Revolving Warning Light										
Model	**RU/RS**					**RH-A**						**SKH-A**				
Product image																
Rated Voltage	12V DC	24V DC	100V AC	220V AC	24V AC	12V DC	24V DC	100V AC	120V AC	200V AC	240V AC	12V DC	24V DC	100V AC	200V AC	24V AC
Size (mm)	φ82					φ100						φ118				
IP	23 (55 when mount rubber –sold separately– is used)					23 (55 when mount rubber –sold separately– is used)						23 (IP54 for watercraft)				
Buzzer sound pressure in dB (at a distance of 1m)						Typ.90						Typ.90				
Body	ABS					ABS						ABS (bracket part)				
Globe	Polycarbonate					Polycarbonate						AS				
Light Source	Bulb					Bulb						Bulb				
Terminal Block								○								
Open collector																
CE Marking	○	○			○	○	○					○	○			○
RoHS																
UL Standard								○ (UL model)								
Other																
Explosion protection																

Table 2

	SKL-A					
Page number	Page 126					
Model Name	Large Revolving Warning Light					
Model	**SKL-A**					
Product image						
Rated Voltage	12V DC	24V DC	48V DC	100V AC	200V AC	240V AC
Size (mm)	φ162					
IP	23					
Buzzer sound pressure in dB (at a distance of 1m)						
Body	Steel plate (coating)/stainless steel (SUS 304)					
Globe	Polycarbonate					
Light Source	Bulb					
Terminal Block						
Open collector						
CE Marking	○	○				
RoHS						
UL Standard						
Other						
Explosion protection						

* For specifications, see the product page.

Compact LED Revolving Warning Light

RLE

Colors	Red, amber, green (colors cannot be changed by replacing the globe)
Globe	Polycarbonate resin with superb shock resistance and heat resistance
Body	ABS resin

The RLE Series features an 82mm diameter, ultra-bright, maintenance-free LEDs, and comes in multiple voltage types.

· Unique rotation reflection system for efficient warning signals
- IP55 with rubber mount (SZ-210); IP23 without rubber mount
· Available colors: Red, Amber, Green

<IP55 compliant range when using mounting rubber>

IP23   82φ

(IP55 when mount rubber: sold separately)

Specifications

Model	Rated Voltage	Power Consumption	Number of flashes	Mass
RLE-12	12V DC	Max. 2.5W	120/minute	0.4kg
RLE-24	24V DC	Max .3.0W		0.4kg
RLE-100	100V AC	2.6W		0.6kg
RLE-220	220V AC	2.6W		0.6kg

Model Code
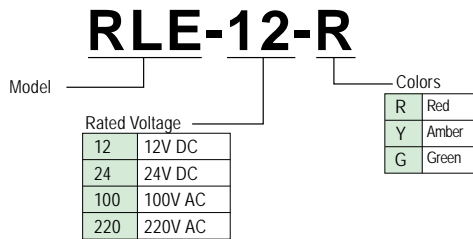
RLE-12-R

Model

Rated Voltage

12	12V DC
24	24V DC
100	100V AC
220	220V AC

Colors

R	Red
Y	Amber
G	Green

Optional Parts

For details, see pages 182 to 187.

Optional Parts	Model
Mount rubber	SZ-210
Wallmount Bracket	SZ-007

*When using a wallmount bracket, IP value is 23 even with a mount rubber.

Dimensions (mm)

73
123
43
13

3-M4 screw
φ82

Installation Dimension Drawings

Cord hole*
(When using mount rubber SZ-210)

3 Mounting Holes - φ5

φ50

Cord hole
(When mount rubber is not used)

120°
22
32
10
6
120°
120°

Nameplate
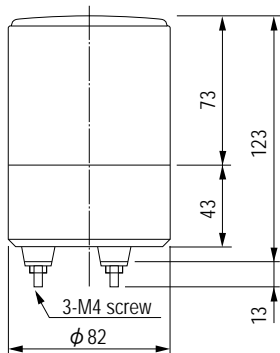
*To pass a 100V outlet, a φ30 cord hole is required.

Nominal Cross-sectional Area : Wire Type : Wire Length

RLE-12,24
0.5mm^2 : AV : 200
RLE-100 (with plug)
0.75mm^2 : VCTFK : 300
RLE-220
0.75mm^2 : VCTF : 340

Small LED Revolving Warning Light

RHE

RHE model
RHEB model
(with audible)

Sound
pressure
88dB

IP23

RoHS

UL

CE

100φ

(IP55 when mount rubber
is used–sold separately)

(RHE-UL only)

(12V, 24V,
48V only)

| Colors | Red, amber, green, blue (You cannot change colors by replacing the globe) |
| Globe | Polycarbonate resin with superb shock resistance and heat resistance |

The RHE Series features an 82mm diameter, ultra-bright, energy-efficient LED system, and comes with a built-in 90dB audible alarm.

· 1 LED chip light source for high energy-efficiency without sacrificing visibility
- Built-in 90dB audible alarm
- IP55 with rubber mount (SZ-220A); IP23 without rubber mount
- Built-in terminal block for easy wiring
· Available colors: Red, Amber, Green, Blue

IP55 compliant when using mounting rubber

Specifications

RHE specifications

Model		Rated Voltage	Current Consumption ( ) with buzzer	Inrush Current	Number of flashes	Mass	Colors
RHE	RHEB						
RHE-12	RHEB-12	12V DC	0.25A (0.28A)	1.5A/100msec	120/minute	0.4kg	R: Red or Y: Amber
							G: Green or B: Blue
RHE-24	RHEB-24	24V DC	0.16A (0.19A)	5.0A/4msec			R: Red or Y: Amber
							G: Green or B: Blue
RHE-48	——	48V DC	0.08A	——			R: Red or Y: Amber
							G: Green or B: Blue
RHE-100	RHEB-100	100V AC	0.042A (0.045A)	1.0A/20msec		0.6kg	R: Red or Y: Amber
							G: Green or B: Blue
RHE-200	RHEB-200	200V AC	0.022A (0.025A)	0.5A/20msec			R: Red or Y: Amber
							G: Green or B: Blue

RHE-UL model (UL model)

Model		Rated Voltage	Current Consumption ( ) with buzzer	Inrush Current	Number of flashes	Mass	Colors
RHE	RHEB						
RHE-12UL	RHEB-12UL	12V DC	0.25A (0.28A)	1.5A/100msec	120/minute	0.4kg	R: Red or Y: Amber
							G: Green or B: Blue
RHE-24UL	RHEB-24UL	24V DC	0.16A (0.19A)	5.0A/4msec			R: Red or Y: Amber
							G: Green or B: Blue

Model Code

RHEB-24UL-R
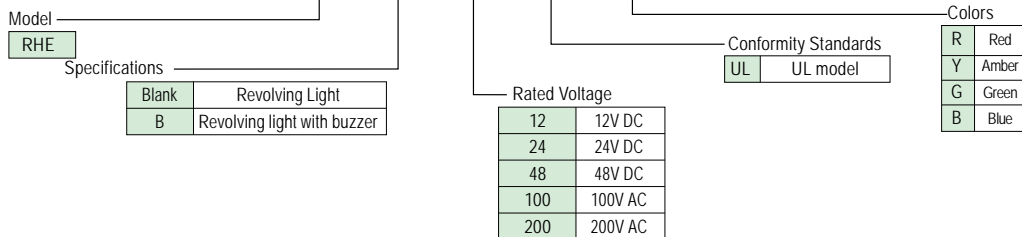
Model
| RHE |

Specifications
| Blank | Revolving Light |
| B | Revolving light with buzzer |

Rated Voltage
12	12V DC
24	24V DC
48	48V DC
100	100V AC
200	200V AC

Conformity Standards
| UL | UL model |

Colors
R	Red
Y	Amber
G	Green
B	Blue

Network

Signal Tower

Signal Light

Revolving Warning Light

Cube Tower

Audibles

Hybrid Signaling Devices

LED Illumination

Options

Network

Signal Tower

Signal Light

Revolving Warning Light

Cube Tower

Audibles

Hybrid Signaling Devices

LED Illumination

Options

Optional Parts
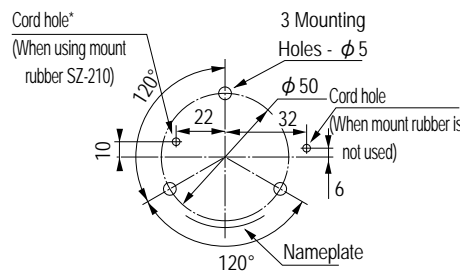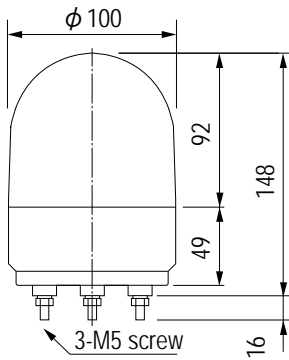For details, see pages 182 to 187.

Optional Parts	Model
Mount rubber	SZ-200
Wallmount Bracket	SZ-007

*When using a wallmount bracket, IP value is 23 even with a mount rubber.

Dimensions (mm)

RHE

φ100

92

49

148

16

3-M5 screw

Installation Dimension Drawings

Terminal Block   Nameplate

Buzzer hole
(RHEB model only)

120°
12°
φ70

3 Mounting Holes - φ6

R35

Cord hole
(when mount rubber is used)

70°
R14
R45
25°

120°

Cord hole
(when mount rubber is not used)
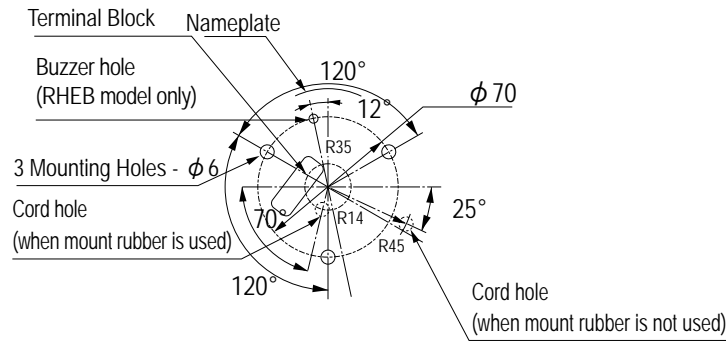
*The applicable crimp terminal has a thread hole diameter of 3 mm The outer diameter can be up to φ8mm.

Wiring Diagram

Without buzzer
Bottom view

Fuse *

(+) (−)

Power supply voltage
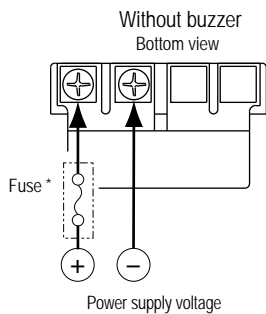
For AC type, there is no + / - polarity.

* For the fuse, please use a 3A fuse.
(RHE (B)-100/200, UL model is 1A)
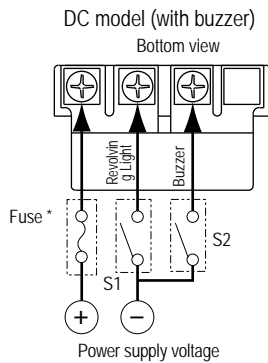
DC model (with buzzer)
Bottom view

Revolving Light   Buzzer

Fuse *

S2

S1

(+) (−)

Power supply voltage

Contact S1	Contact S2	Description
ON	OFF	Revolving Light
OFF	ON	Buzzer
ON	ON	Revolving light & buzzer

AC model (with buzzer)
Bottom view

Fuse *

S3

S1   Buzzer

Power supply voltage

Buzzer contact open circuit
voltage 12V DC
Short circuit electric current 40mA
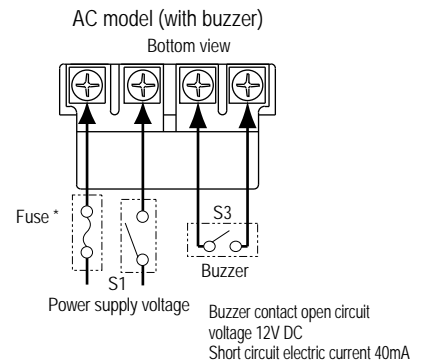
Contact S3	Description
OFF	Revolving Light
ON	Revolving light & buzzer

* Terminal block system wiring is not included. (UL1007 0.5mm² wiring for RHE-12,24,48; UL1430 0.5mm² wiring for RHE-12UL,24UL have been set for 240±30mm)

sensormatic
SPECIALIST&SOLUTIONS

Small LED Revolving Warning Light

SKHE

SKHE model
SKHEB model (with audible)

| Colors | Red, amber, green, blue (You cannot change colors by replacing the globe) |
| Globe | The material is AS resin, which is translucent and highly weather resistant. |

The SKHE Series features an 118mm diameter, ultra-bright, high energy-efficient LED system, and comes with a built-in 90dB audible alarm.

· 1 LED chip light source for high energy-efficiency without sacrificing visibility
- Built-in 90dB audible alarm
- Built-in terminal block for easy wiring
· Available colors: Red, Amber, Green, Blue

Sound pressure 88dB (Buzzer specification only)
IP23
RoHS
CE (12V, 24V only)
118φ

Specifications

Model		Rated Voltage	Current Consumption	Number of flashes	Mass	Colors
SKHE	SKHEB					
SKHE-12	SKHEB-12	12V DC	0.22A	120/minute	0.4kg	R: Red or Y: Amber
						G: Green or B: Blue
SKHE-24	SKHEB-24	24V DC	0.16A			R: Red or Y: Amber
						G: Green or B: Blue
SKHE-100	SKHEB-100	100V AC	0.042A		0.6kg	R: Red or Y: Amber
						G: Green or B: Blue
SKHE-200	SKHEB-200	200V AC	0.022A			R: Red or Y: Amber
						G: Green or B: Blue

Model Code

SKHEB-24-R

Model
Specifications

| Blank | Revolving Light |
| B | Revolving light with buzzer |

Rated Voltage

12	12V DC
24	24V DC
100	100V AC
200	200V AC

Colors

R	Red
Y	Amber
G	Green
B	Blue

Optional Parts

For details, see pages 182 to 187.

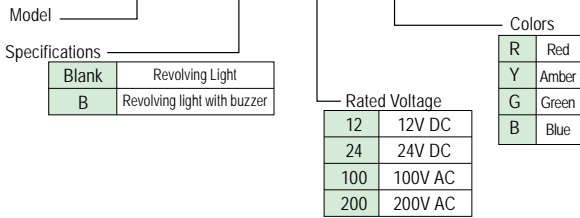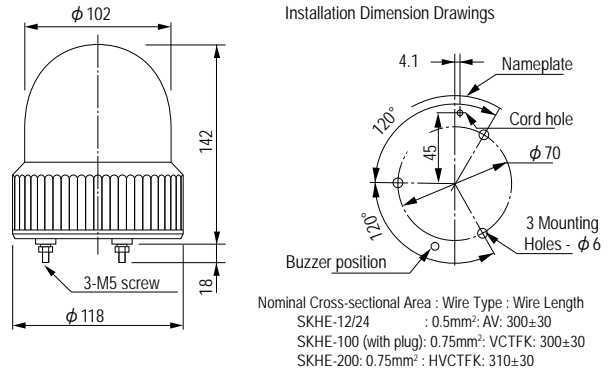| Optional Parts	Model
Wallmount Bracket	SZ-007

Dimensions (mm)

φ 102
142
φ 118
3-M5 screw
18

Installation Dimension Drawings

4.1
Nameplate
120°
Cord hole
45
φ 70
120°
3 Mounting Holes - φ 6
Buzzer position

Nominal Cross-sectional Area : Wire Type : Wire Length
SKHE-12/24   : 0.5mm² : AV: 300±30
SKHE-100 (with plug): 0.75mm²: VCTFK: 300±30
SKHE-200: 0.75mm² : HVCTFK: 310±30

*Please be careful, as the position of the name plate against the installation surface changes according to how the globe is fastened.
*To pass a 100V outlet, a φ 30 cord hole is required.

Wiring Diagram

DC model

Red
Black
White (Buzzer)
Fuse
S1
S2
+
−
Power supply voltage
For AC type, there is no + / - polarity.

Contact S1	Contact S2	Description
ON	OFF	Revolving Light
OFF	ON	Buzzer
ON	ON	Revolving light & buzzer

*Wiring diagram is for model B. There are no white wire for units without a buzzer.

AC model (100V AC)

Gray
Gray
Green (Buzzer)
White (Buzzer)
S1 *
Fuse
S3
− Power supply voltage

Contact S3	Description
OFF	Revolving Light
ON	Revolving light & buzzer

*Wiring diagram is for model B. There are no white and green wires for units without a buzzer.
Buzzer contact open circuit voltage 12V DC Short circuit current 40mA

AC model (200V AC)

White
Black
Green (Buzzer)
White (Buzzer)
S1 *
Fuse
S3
− Power supply voltage

Contact S3	Description
OFF	Revolving Light
ON	Revolving light & buzzer

*Wiring diagram is for model B. There are no white and green wires for units without a buzzer.
Buzzer contact open circuit voltage 12V DC Short circuit current 40mA

*In addition to a two-way switch, you can also use a one-way switch.

Network
Signal Tower
Signal Light
Revolving Warning Light
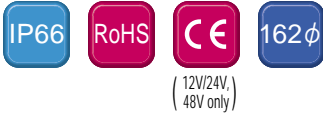Cube Tower
Audibles
Hybrid Signaling Devices
LED Illumination
Options

Extreme Vibration Resistant Large LED Revolving Warning Light

RLR

Network

Signal Tower

Signal Light

Revolving Warning Light

Cube Tower

Audibles

Hybrid Signaling Devices

LED Illumination

Options

Colors	Red, Amber, Green, Blue
Globe	Polycarbonate resin with superb shock resistance and heat resistance

The RLR Series features an 162mm diameter, ultra-bright, maintenance-free LEDs, with high vibration resistance, ideal for moving vehicles.
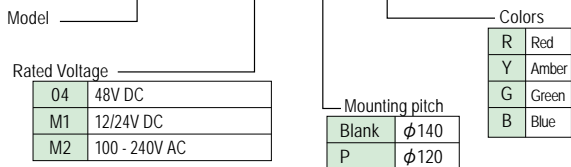
· Gear-method system for controlling light source and motor significantly increases product life
- IP66 protection rating for dust and water
- Vibration resistance for up to 11.2G
· Available colors: Red, Amber, Green, Blue

IP66 RoHS CE 162φ

(12V/24V, 48V only)

Specifications

Model	Rated Voltage	Rated Power Consumption	Number of flashes	Mass	Colors
RLR-M1	12/24V DC	7.6W	105/minute	1.0kg	R: Red or Y: Amber
RLR-M1-P					G: Green or B: Blue
RLR-04	48V DC	8.2W			R: Red or Y: Amber
RLR-04-P					G: Green or B: Blue
RLR-M2	100 - 240V AC	7.8W		1.06kg	R: Red or Y: Amber
					G: Green or B: Blue
RLR-M2-P	100 - 240V AC	7.8W			R: Red or Y: Amber
					G: Green or B: Blue

Model Code

RLR-04-P-R

Model

Rated Voltage
04	48V DC
M1	12/24V DC
M2	100 - 240V AC

Mounting pitch
| Blank | φ140 |
| P | φ120 |

Colors
R	Red
Y	Amber
G	Green
B	Blue

Optional Parts For details, see pages 182 to 187.

Optional Parts	Model
Wallmount Bracket	SZ-023
Wallmount Bracket	SZ-008

Dimensions (mm)

φ162
φ141
193
65
26
(15)
330
+80 0
3-M8
RLR-04 / M1= φ6
RLR-M2= φ9

Installation Dimension Drawings

RLR-□□

Cord exit scope (when exiting is in the just-under direction)
φ20
φ140
120°
120°
40
3 Mounting Holes - φ9
Nameplate Location

RLR-□□/Bottom surface

RLR-□□-P

Cord exit scope (when exiting is in the just-under direction)
φ20
φ120
120°
120°
40
3 Mounting Holes - φ9
Nameplate Location

RLR-□□P /Bottom surface
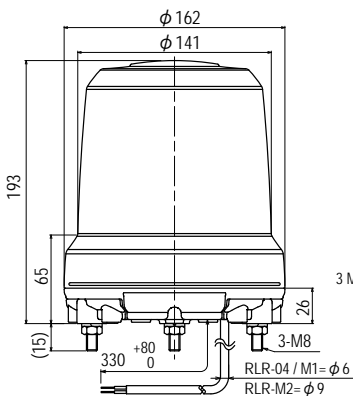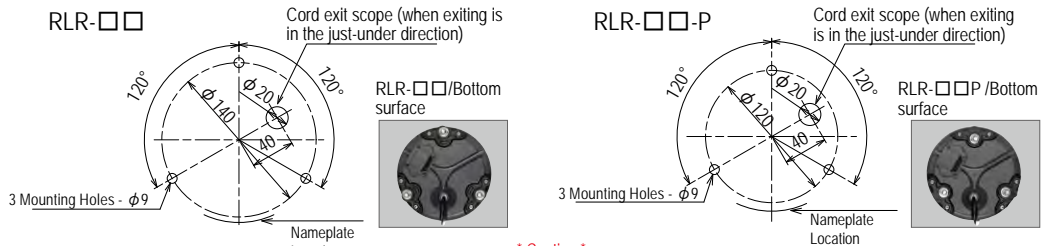
* Caution *
When it needs to be water resistant, please be sure to apply water-resistance at the time of wiring.
There is possibility of water penetration from the power source terminal surface.

Nominal cross sectional area : Wire type
RLR-04/M1 : 0.5mm² : HVCTF
RLR-M2 : 0.75mm² : VCT

RU/RS

RU/RS model
RUP model
(with a pole, for indoors)

RU model

RS model

RUP model

When mount rubber (sold separately) is used

Colors	Red, Amber, Green, Blue
Globe	Polycarbonate resin with superb shock resistance and heat resistance
Body	ABS resin

The RU/RS Series features an 82mm diameter and automobile incandescent bulbs as a light source for high vibration resistance, ideal for moving vehicles.

· Automobile incandescent bulbs for high vibration resistance
- Comes in a rounded dome (RU models) and circular dome shapes (RS models)
· IP55 with rubber mount (SZ-210); IP23 without rubber mount
· Available colors: Red, Amber, Green, Blue

(IP55 compliant when using mounting rubber)

IP23
(IP55 when mount rubber s used–sold separately)

82φ

CE
(12V, 24V only)

Specifications

Model			Rated Voltage	Current Consumption	Number of flashes	Bulb		Mass	
RU	RUP	RS					Number	RU/RS	RUP
RU-12	RUP-12	RS-12	12V DC	0.5A		12V 6W	18	0.4kg	0.8kg
RU-24	RUP-24	RS-24	24V DC	0.3A		24V 6W	19		
RU-100	RUP-100	RS-100	100V AC	0.075A	120/minute	12V 6W	18	0.6kg	1.0kg
RU-220	RUP-220	RS-220	220V AC	0.035A					
RU-24AC	RUP-24AC	——	24V AC	0.3A		24V 6W	19	0.4kg	0.8kg

Light bulb No.	Model
18	D01200604-F1
19	D02400604-F1

Bulb Shape   Glass Bulb G14, Base BA9S

*Light bulbs come in packs of 10.
*Stock for some light bulbs may be limited, as products become discontinued. We ask for your understanding in this regard.

Model Code

R U P - 1 0 0 - R

Model
| RU |
| RS |
| RUP |

Rated Voltage
12	12V DC
24	24V DC
24AC	24V AC
100	100V AC
220	220V AC

Colors
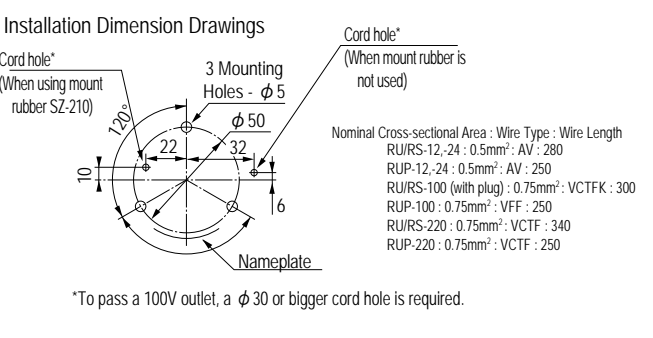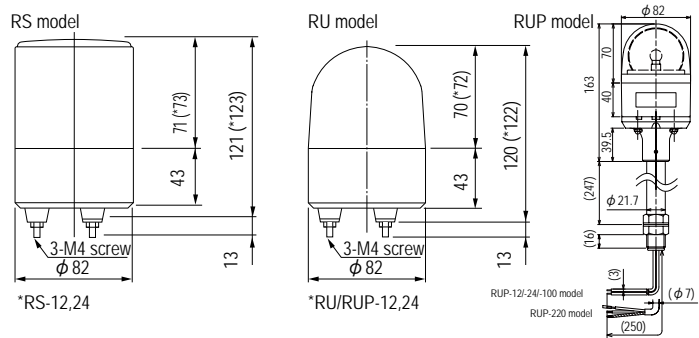| R | Red |
Y	Amber
G	Green
B	Blue
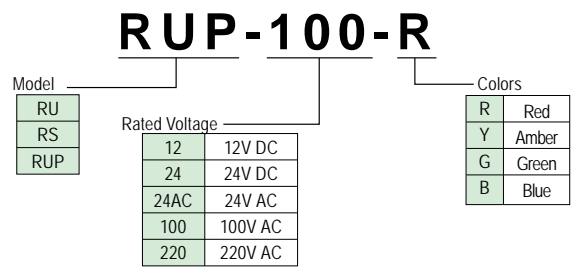
Optional Parts

For details, see pages 182 to 187.

Optional Parts	Model
Mount rubber	SZ-210
Wallmount Bracket	SZ-007

*Mount rubber cannot be used for RUP-models
*When using a wallmount bracket, IP value is 23 even with a mount rubber.

Dimensions (mm)

RS model

71 (*73)
43
121 (*123)
3-M4 screw
φ 82
13

*RS-12,24

RU model

70 (*72)
43
120 (*122)
3-M4 screw
φ 82
13

*RU/RUP-12,24

RUP model

φ 82
70
40
163
39.5
φ 21.7
(247)
(16)
(3)
(φ 7)
RUP-12/-24/-100 model
RUP-220 model
(250)

Installation Dimension Drawings

Cord hole*
(When using mount rubber SZ-210)

Cord hole*
(When mount rubber is not used)

3 Mounting Holes - φ 5
φ 50
120°
22   32
10
6
Nameplate

Nominal Cross-sectional Area : Wire Type : Wire Length
RU/RS-12,-24 : 0.5mm^2 : AV : 280
RUP-12,-24 : 0.5mm^2 : AV : 250
RU/RS-100 (with plug) : 0.75mm^2 : VCTFK : 300
RUP-100 : 0.75mm^2 : VFF : 250
RU/RS-220 : 0.75mm^2 : VCTF : 340
RUP-220 : 0.75mm^2 : VCTF : 250

*To pass a 100V outlet, a φ 30 or bigger cord hole is required.

Network

Signal Tower

Signal Light

Revolving Warning Light

Cube Tower

Audibles

Hybrid Signaling Devices

LED Illumination

Options

Small Revolving Warning Light

RH-A

Network
Signal Tower
Signal Light
Revolving Warning Light
Cube Tower
Audibles
Hybrid Signaling Devices
LED Illumination
Options

RH-A model
RHB-A model
(With electronic buzzer)

RH-AUL model
RHB-AUL model
(With electronic buzzer)

RH-A model

When mount rubber is used
(sold separately)

Colors	Red, Amber, Green, Blue
Globe	Polycarbonate resin with superb shock resistance and heat resistance
Body	ABS resin

The RH Series features an 100mm diameter, built-in 90dB audible alarm, and automobile incandescent bulbs as a light source for high vibration resistance, ideal for moving vehicles.

· Automobile incandescent bulbs for high vibration resistance
- Built-in 90dB audible alarm
- Built-in terminal block for easy wiring
· IP55 with rubber mount (SZ-220A); IP23 without rubber mount
· Available colors: Red, Amber, Blue

<IP55 compliant range when using mounting rubber>

Sound pressure 90dB

IP23
IP55 when mount rubber is used–sold separately–

UL
UL model only

CE

100φ
12V, 24V only

Specifications

Model		Rated Voltage	Current Consumption		Number of flashes	Bulb		Mass
RH	RHB		RH	RHB			Number	
RH-12A	RHB-12A	12V DC	0.8A	0.85A		12V 10W	9	
RH-24A	RHB-24A	24V DC	0.5A	0.55A		24V 10W	10	0.4kg
RH-24AUL	RHB-24AUL				170/minute			
RH-100A	RHB-100A	100V AC	0.065A	0.115A		12V 5W	12	0.6kg
RH-120AUL	RHB-120AUL	120V AC	0.065A	0.115A				
RH-200A	RHB-200A	200V AC	0.03A	0.08A				
RH-240AUL	RHB-240AUL	240V AC	0.03A	0.08A				

Bulb Shape Glass Bulb G18, Base BA15S

Light bulb No.	Model
9	D01201003A-F1
10	D02401003A-F1
12	D01200503A-F1

*Light bulbs come in packs of 10.
*Stock for some light bulbs may be limited, as products become discontinued. We ask for your understanding in this regard.

Model Code

RHB-24A-R
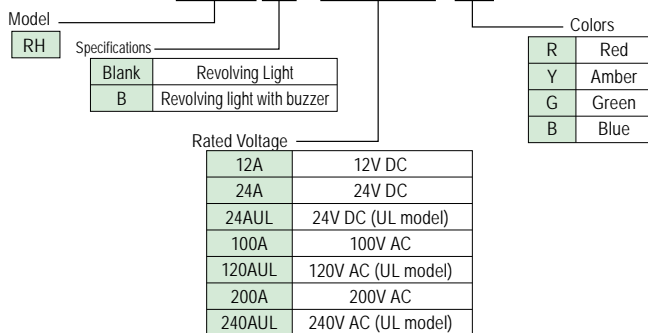
Model
RH

Specifications
Blank	Revolving Light
B	Revolving light with buzzer

Rated Voltage
12A	12V DC
24A	24V DC
24AUL	24V DC (UL model)
100A	100V AC
120AUL	120V AC (UL model)
200A	200V AC
240AUL	240V AC (UL model)

Colors
R	Red
Y	Amber
G	Green
B	Blue

Optional Parts For details, see pages 182 to 187.

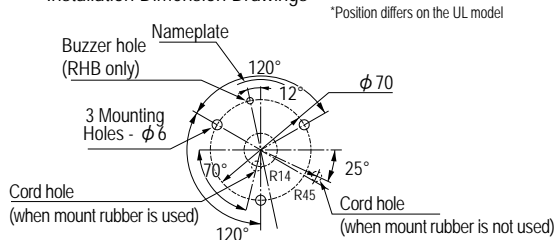| Optional Parts	Model
Mount rubber	SZ-200
Wallmount Bracket	SZ-007

*When mount rubber is used, the buzzer sound becomes degraded, and sound pressure will deteriorate.
*When using a wallmount bracket, IP value is 23 even with a mount rubber.

Dimensions (mm)

RH-A model
φ100
92
146
49
(12/24V DC model is 148)
16
3-M5 screw
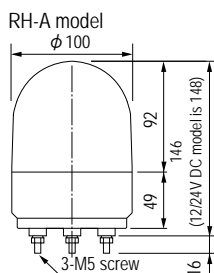
12V, 24V specification includes a wire. (UL1430 AWG20 cord outlet is 240±30mm)

Installation Dimension Drawings
*Position differs on the UL model

Buzzer hole (RHB only)
Nameplate
120°
12°
φ70
3 Mounting Holes - φ6
70°
25°
R14
R45
Cord hole (when mount rubber is used)
Cord hole (when mount rubber is not used)
120°

*The applicable crimp terminal has a thread hole diameter of 3 mm External shape may be used up to φ8mm.

sensormatic
SPECIALIST&SOLUTIONS

Small Revolving Warning Light

SKH-A

SKH-A model
SKHB-A model (with electronic buzzer)

Colors	Red, Amber, Green, Blue, Purple
Globe	The material is AS resin, which is translucent and highly weather resistant.

The SKH Series features an 118mm diameter, built-in 90dB audible alarm, and automobile incandescent bulbs as a light source for high vibration resistance, ideal for moving vehicles.

· Automobile incandescent bulbs for high vibration resistance
- Built-in 90dB audible alarm
· Available colors: Red, Amber, Green, Blue

Sound pressure 90dB | IP23 (For watercraft, IP54) | CE (12V, 24V only) * *SKH-102AAC excluding SKHB-24AAC | 118φ

Specifications

Model		Rated Voltage	Power current		Number of flashes	Bulb		Mass
SKH model	SKHB model		SKH model	SKHB model			Number	
SKH-101A	SKHB-12A	12V DC	0.8A	0.85A	170/minute	12V 10W	9	0.4kg
SKH-102A	SKHB-24A	24V DC	0.5A	0.55A		24V 10W	10	
SKH-110A	SKHB-100A	100V AC	0.065A	0.115A		12V 5W	12	0.6kg
SKH-120A	SKHB-200A	200V AC	0.030A	0.080A				
SKH-102AAC	SKHB-24AAC	24V AC	0.5A	0.55A		24V 10W	10	0.4kg
Boats only SKH-102SA	—	24V DC	0.5A	—	170/minute	24V 10W	10	0.4kg
SKH-110SA	—	100V AC	0.065A	—		12V 5W	12	0.6kg

Bulb Shape   Glass Bulb G18, Base BA15S

Light bulb No.	Model
9	D01201003A-F1
10	D02401003A-F1
12	D01200503A-F1

* Light bulbs come in packs of 10.
* Stock for some light bulbs may be limited, as products become discontinued. We ask for your understanding in this regard.
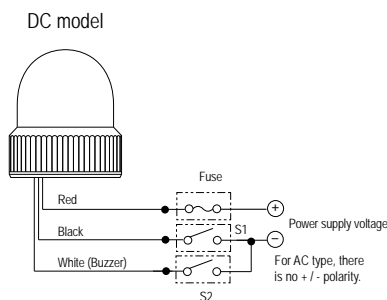
Model Code

SKHB-100A-R

Model
SKH

Specifications
Blank	Revolving Light
B	Revolving light with buzzer

Rated Voltage
	SKH	SKHB	SKH (exclusively for watercraft)
12V DC	101A	12A	–
24V DC	102A	24A	102SA
24V AC	102AAC	24AAC	–
100V AC	110A	100A	110SA
200V AC	120A	200A	–

Colors
R	Red
Y	Amber
G	Green
B	Blue
P	Purple

Dimensions (mm)

φ102

142

18

3-M5 screw

φ118

(24/100/200V AC model is 140)

Installation Dimension Drawings

AC model
4.1
120°
45
120°
Cord hole
φ70
3 Mounting Holes - φ6
120°
Buzzer position
Nameplate

DC model
120°
45
120°
Nameplate
Cord hole
φ70
3 Mounting Holes - φ6
Buzzer position

Nominal Cross-sectional Area : Wire Type: Lead Line Length
SKH-101A,102A,102AAC
0.5mm² : AV : 300
SKHB-12A,24A,24AAC
0.5mm² : AV : 300
SKH-110A (with plug), 120A
0.75mm² : VCTFK : 310
SKHB-100A (with plug), 200A
0.75mm² : VCTKF : 310
(Signal Wire : 0.5mm² : AV : 300)

*lease be careful, as the position of the name plate against the installation surface changes according to how the globe is fastened.
*To pass a 100V outlet, a φ30 cord hole is required.

*Please send inquiries for the size of watercraft specifications (SKH-SA type).

Optional Parts   For details, see pages 182 to 187.

Optional Parts	Model
Wallmount Bracket	SZ-007

Wiring Diagram

DC model

Red
Black
White (Buzzer)
Fuse
S1
S2
Power supply voltage
For AC type, there is no + / - polarity.

Contact S1	Contact S2	Description
ON	OFF	Revolving Light
OFF	ON	Buzzer
ON	ON	Revolving light & buzzer

*Wiring diagram is for model B.
There is no white wire for units without a buzzer.

AC model (100V AC)

Gray
Gray
Green (Buzzer)
White (Buzzer)
S1 *
Fuse
S3
Power supply voltage

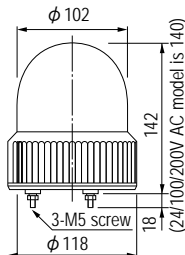| Contact S3	Description
OFF	Revolving Light
ON	Revolving light & buzzer

* Wiring diagram is for model B.
There are no white and green wires for units without a buzzer.
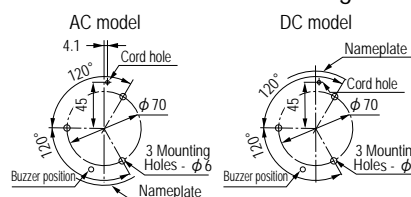Buzzer contact open circuit voltage 12V DC Short circuit current 40mA

AC model (200V AC)

White
Black
Green (Buzzer)
White (Buzzer)
S1 *
Fuse
S3
Power supply voltage

Contact S3	Description
OFF	Revolving Light
ON	Revolving light & buzzer

* Wiring diagram is for model B.
There are no white and green wires for units without a buzzer.
Buzzer contact open circuit voltage 12V DC Short circuit current 40mA

*In addition to a two-way switch, you can also use a one-way switch.

Network | Signal Tower | Signal Light | Revolving Warning Light | Cube Tower | Audibles | Hybrid Signaling Devices | LED Illumination | Options

Wall-Mounted Small Revolving Warning Light

WH-A

WH-A model
WHB-A model
Round Globe

Colors	Red, Amber, Green, Blue
Globe	Polycarbonate resin with superb shock resistance and heat resistance
Body	ABS resin

The WH Series features an 100mm diameter, side wall-mount design, built-in 90dB audible alarm, and automobile incandescent bulbs as a light source for high vibration resistance.

· Automobile incandescent bulbs for high vibration resistance
- Built-in 90dB audible alarm
- Built-in terminal block for easy wiring
· IP54 rating for dust and water resistance
· Available colors: Amber, Blue

Sound pressure 90dB | IP54 | CE | 100φ

(Product with a buzzer is IP23) (24V only)

Specifications

WH-A model

Model		Rated Voltage	Current Consumption	Number of flashes	Bulb		Mass
	WH-A					Number	
Without buzzer	**WH-24A**	24V DC	0.5A	170/minute	24V 10W	10	0.55kg
	WH-100A	100V AC	0.065A		12V 5W	12	0.75kg
	WH-200A	200V AC	0.03A				
With buzzer	**WHB-24A**	24V DC	0.55A		24V 10W	10	0.55kg
	WHB-100A	100V AC	0.115A		12V 5W	12	0.75kg
	WHB-200A	200V AC	0.08A				

Bulb Shape   Glass Bulb G18, Base BA15S

Light bulb No.	Model
10	D02401003A-F1
12	D01200503A-F1

*Light bulbs come in packs of 10.
*Stock for some light bulbs may be limited, as products become discontinued. We ask for your understanding in this regard.
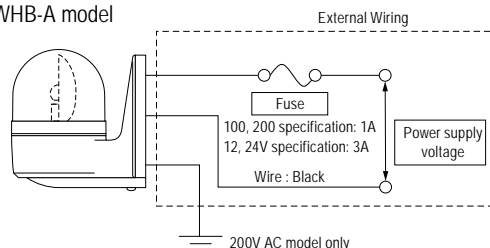
Dimensions (mm)

φ100
110
4.3
14

WH-A series
147
55
66
140
142
14.5

Installation Dimension Drawings

80
Hole A
28
25
80
Switch box compatible mounting pitch = 66 to 84
75
Hole A
4-φ6.5
Switch box compatible mounting pitch = 66 to 84
75
Cord exit hole (φ16)

Hole A
9
11.1
R2.1
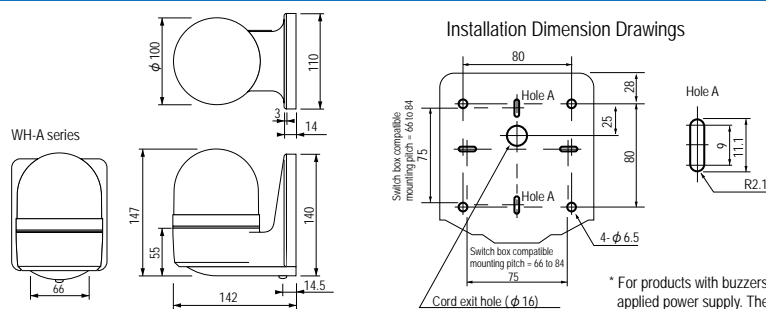
* For products with buzzers, the revolving light and buzzer work simultaneously with the applied power supply. They cannot be controlled separately.

Wiring Diagram

WH-A model
WHB-A model

External Wiring

Fuse
100, 200 specification: 1A
12, 24V specification: 3A
Power supply voltage
Wire : Black

200V AC model only

Network

Signal Tower

Signal Light

Revolving Warning Light

Cube Tower

Audibles

Hybrid Signaling Devices

LED Illumination

Options

Small Revolving Warning Light

SKH-EA

Colors	Red, Amber, Green, Blue
Globe	The material is AS resin, which is translucent and highly weather resistant.

The SKH Series features an 100mm diameter, durable body design, and automobile incandescent bulbs as a light source for high vibration resistance, ideal for moving vehicles.

· Automobile incandescent bulbs for high vibration resistance
- Durable, weather-resistant metal and acrylic body structure
- Comes in multiple voltage types
· Available colors: Red, Amber, Green, Blue

IP23   C E   100φ

(12V, 24V only)

Specifications

Model	Rated Voltage	Current Consumption	Number of flashes	Bulb	Number	Mass
SKH-12EA	12V DC	0.8A	170/minute	12V 10W	9	0.4kg
SKH-24EA	24V DC	0.5A		24V 10W	10	
SKH-100EA	100V AC	0.065A		12V 5W	12	0.6kg
SKH-200EA	200V AC	0.03A				

Bulb Shape   Glass Bulb G18, Base BA15S

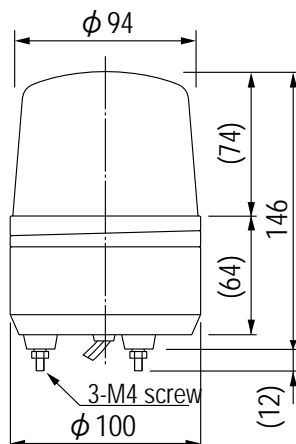| Light bulb No.	Model
9	D01201003A-F1
10	D02401003A-F1
12	D01200503A-F1

* Light bulbs come in packs of 10.
* Stock for some light bulbs may be limited, as products become discontinued. We ask for your understanding in this regard.
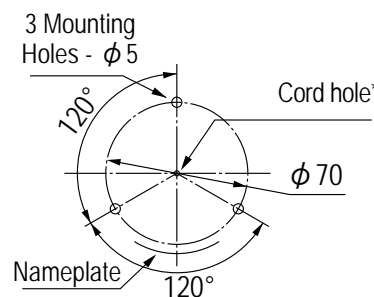
Optional Parts   For details, see pages 182 to 187.

Optional Parts	Model
Wallmount Bracket	SZ-007

Dimensions (mm)

φ94
(74)
146
(64)
3-M4 screw
φ100
(12)

Installation Dimension Drawings

3 Mounting Holes - φ5
120°
Cord hole*
φ70
Nameplate
120°

Nominal Cross-sectional Area : Wire Type: Lead Line Length

SKH-12EA,24EA
0.5mm² : AV : 300
SKH-100EA (with plug), 200EA
0.75mm² : VCTFK : 330

*To pass a 100V outlet, a φ30 cord hole is required.

Network

Signal Tower

Signal Light

Revolving Warning Light

Cube Tower

Audibles

Hybrid Signaling Devices

LED Illumination

Options

Medium Revolving Warning Light

SKP-A

Network

Signal Tower

Signal Light

Revolving Warning Light

Cube Tower

Audibles

Hybrid Signaling Devices

LED Illumination

Options

IP23 CE 138φ

(12V, 24V only)*
*excludes SKP-104A

Colors	Red, Amber, Green, Blue
Globe	Melanine with superb shock resistance and heat resistance

The SKP Series features an 138mm diameter and automobile incandescent bulbs as a light source for high vibration resistance, ideal for moving vehicles.

· Automobile incandescent bulbs for high vibration resistance
- Silent and stable light rotation system
· Weather resistant and corrosion proof body design
· Available colors: Red, Amber, Green, Blue

Specifications

Model	Rated Voltage	Current Consumption	Number of flashes	Bulb	Number	Mass
SKP-101A	12V DC	2.6A	140/minute	12V 35W	1	0.8kg
SKP-102A	24V DC	1.2A		24V 35W	2	
SKP-104A	48V DC	0.8A		48V 35W	5	0.9kg
SKP-110A	100V AC	0.3A		120V 40W	36	1.0kg
SKP-120A	200V AC	0.13A	120/minute	220V 30W	37	

Light bulb shape… 12V/24V / Glass ball RP35 base BA15S 48V/100V/200V / Glass ball RP35 base BA15D

Light bulb No.	Model
1	D01203501-F1
2	D02403501-F1
5	D04803502-F1

Light bulb No.	Model
36	D12004024-F1
37	D22003024-F1

*Light bulbs come in packs of 10.
*Stock for some light bulbs may be limited, as products become discontinued. We ask for your understanding in this regard.
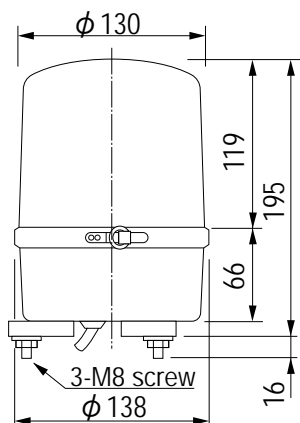
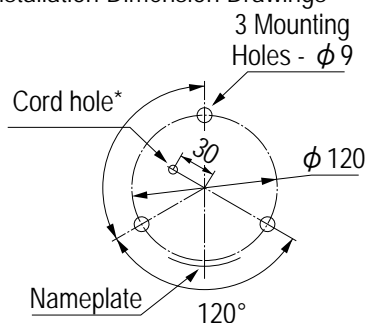## Optional Parts For details, see pages 182 to 187.

Optional Parts	Model
Rubber cover that is compliant with external projection	SKP-001
Wallmount Bracket	SZ-023
Wallmount Bracket	SZ-008

*Only SKP-101A will be compliant with external projection regulation using the SKP-001 model.

Dimensions (mm)

φ 130
119
195
66
3-M8 screw
φ 138
16

Installation Dimension Drawings

3 Mounting Holes - φ 9

Cord hole*

30 φ 120

Nameplate

120°

*To pass a 100V outlet, a φ 35 or bigger cord hole is required.

Nominal Cross-sectional Area : Wire Type: Lead Line Length

SKP-101A,102A,104A
1.25mm^2 : AVS : 270
SKP-110A (with plug)
0.75mm^2 : VCT : 330
SKP-120A
0.75mm^2 : VCT : 330

sensormatic SPECIALIST&SOLUTIONS

Medium Revolving Warning Light

KP-A

IP23 CE 162φ
(only 24V)

Colors	Red, Amber, Green, Blue
Globe	The material is AS resin, which is translucent and highly weather resistant.

The KP Series features an 162mm diameter, splash resistant body design, and automobile incandescent bulbs as a light source for high vibration resistance, ideal for moving vehicles.

· Automobile incandescent bulbs for high vibration resistance
· Weather resistant and corrosion proof body design
- Able to operate in temperatures as low as -30
· Available colors: Red, Amber, Green, Blue

Specifications

Model	Rated Voltage	Current Consumption	Number of flashes	Bulb	Number	Mass
KP-24A	24V DC	1.2A	140/minute	24V 35W	2	1.0kg
KP-100A	100V AC	0.3A		120V 40W	36	1.2kg
KP-200A	200V AC	0.13A	120/minute	220V 30W	37	1.2kg

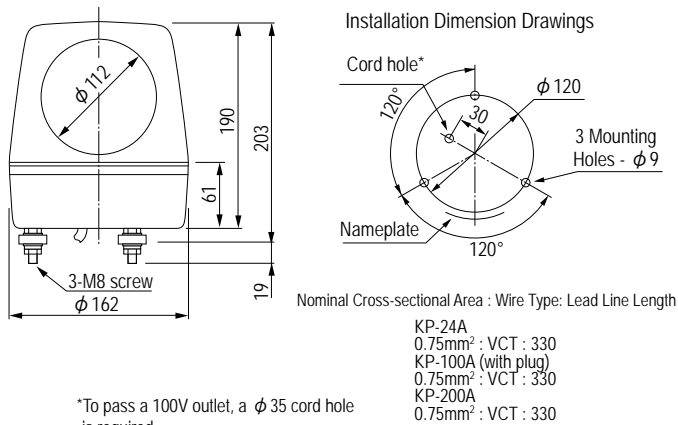Light bulb form… 24V / Glass ball RP35 base BA15S   100V/200V Glass ball RP35 base BA15D

Light bulb No.	Model
2	D02403501-F1
36	D12004024-F1

Light bulb No.	Model
37	D22003024-F1

*Light bulbs come in packs of 10.
*Stock for some light bulbs may be limited, as products become discontinued. We ask for your understanding in this regard.

Optional Parts
For details, see pages 182 to 187.

Optional Parts	Model
Wallmount Bracket	SZ-023
Wallmount Bracket	SZ-008

Dimensions (mm)

Installation Dimension Drawings

φ112
190
203
61
19
3-M8 screw
φ162

Cord hole*
120°
30
φ120
3 Mounting Holes - φ9
Nameplate
120°

Nominal Cross-sectional Area : Wire Type: Lead Line Length

KP-24A
0.75mm² : VCT : 330
KP-100A (with plug)
0.75mm² : VCT : 330
KP-200A
0.75mm² : VCT : 330

*To pass a 100V outlet, a φ35 cord hole is required.

Large Revolving Warning Light

SKL-A

SKL-CA model
SKL-SA model (stainless steel)

IP23 CE 162φ
(12V, 24V only)

Colors	Red, Amber, Green *, Blue*
Globe	Polycarbonate resin with superb shock resistance and heat resistance
Body	CA type: Steel plate (Coating) SA type: Non-rusting stainless steel (SUS 304)

The SKL Series features an 162mm diameter, comes in multiple voltage types, and automobile incandescent bulbs as a light source for high vibration resistance, ideal for moving vehicles.

· Automobile incandescent bulbs for high vibration resistance
· Weather resistant and corrosion proof body design
· Available colors: Red, Amber, Green, Blue

Specifications

Model	Rated Voltage	Current Consumption	Number of flashes	Bulb	Number	Mass
SKL-101CA	12V DC	2.6A	140/minute	12V 35W	1	1.3kg
SKL-101SA	12V DC	2.6A		12V 35W	1	
SKL-102CA	24V DC	1.2A		24V 35W	2	
SKL-102SA	24V DC	1.2A		24V 35W	2	
SKL-104CA	48V DC	0.8A		48V 35W	5	1.4kg
SKL-110CA	100V AC	0.3A		120V 40W	36	1.5kg
SKL-110SA	100V AC	0.3A		120V 40W	36	
SKL-120CA	200V AC	0.13A	120/minute	220V 30W	37	
SKL-120SA	200V AC	0.13A		220V 30W	37	
SKL-102ACSA	24V AC	1.2A	140/minute	24V 35W	2	1.4kg

Light bulb shape… 12V/24V / Glass ball RP35 base BA15S   48V/100V/200V / Glass ball RP35 base BA15D

Light bulb No.	Model
1	D01203501-F1
2	D02403501-F1
5	D04803502-F1

Light bulb No.	Model
36	D12004024-F1
37	D22003024-F1

*Light bulbs come in packs of 10.
*Stock for some light bulbs may be limited, as products become discontinued. We ask for your understanding in this regard.
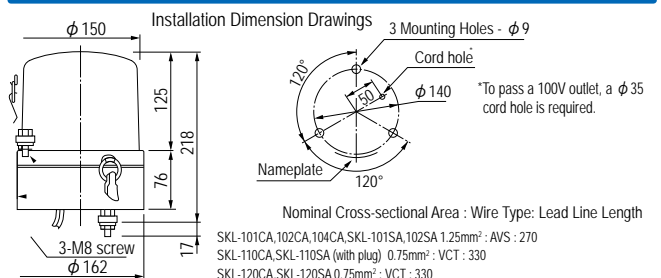
Optional Parts
For details, see pages 182 to 187.

Optional Parts	Model
Rubber cover that is compliant with external projection	HKM-001
Wallmount Bracket	SZ-023
Wallmount Bracket	SZ-008

*Using HKM-001, only SKL-101□A is compliant with external projection regulations.

Dimensions (mm)

φ150
Installation Dimension Drawings
125
218
76
17
3-M8 screw
φ162

3 Mounting Holes - φ9
Cord hole
120°
50
φ140
Nameplate
120°

*To pass a 100V outlet, a φ35 cord hole is required.

Nominal Cross-sectional Area : Wire Type: Lead Line Length

SKL-101CA,102CA,104CA,SKL-101SA,102SA 1.25mm² : AVS : 270
SKL-110CA,SKL-110SA (with plug) 0.75mm² : VCT : 330
SKL-120CA,SKL-120SA 0.75mm² : VCT : 330

Sidebar: Network | Signal Tower | Signal Light | Revolving Warning Light | Cube Tower | Audibles | Hybrid Signaling Devices | LED Illumination | Options

Large Revolving Warning Light

SKC-A

Network

Signal Tower

Signal Light

Revolving Warning Light

Cube Tower

Audibles

Hybrid Signaling Devices

LED Illumination

Options

Colors	Red, Amber, Blue, Green
Globe	The material is AS resin, which is translucent and highly weather resistant.

The SKC Series features an 187mm diameter, comes in multiple voltage types, and automobile incandescent bulbs as a light source for high vibration resistance, ideal for moving vehicles.

· Belt-drive rotation system for silent and stable signaling
· Weather resistant and corrosion proof body design
· Available colors: Red, Amber, Green, Blue

IP23 CE 187φ
(12V, 24V only)

Specifications

Model	Rated Voltage	Current Consumption	Number of flashes	Bulb	Number	Mass
SKC-201A	12V DC	2.6A	200/minute	12V 35W	1	1.6kg
SKC-202A	24V DC	1.2A		24V 35W	2	
SKC-210A	100V AC	0.4A		120V 40W	36	1.8kg
SKC-220A	200V AC	0.2A	160/minute	220V 30W	37	

Light bulb shape… 12V/24V / Glass ball RP35 base BA15S 100V/200V Glass bulb RP35 Base BA15D

Light bulb No.	Model
1	D01203501-F1
2	D02403501-F1

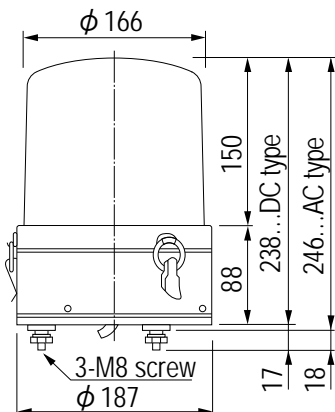| Light bulb No.	Model
36	D12004024-F1
37	D22003024-F1

*Light bulbs come in packs of 10.
*Stock for some light bulbs may be limited, as products become discontinued. We ask for your understanding in this regard.
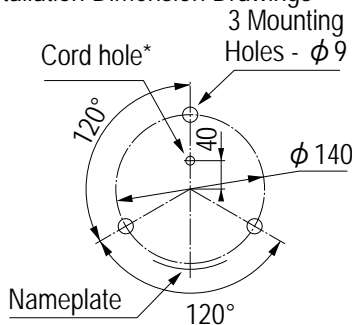
Optional Parts   For details, see pages 182 to 187.

Optional Parts	Model
Wallmount Bracket	SZ-008

Dimensions (mm)

φ 166
150
238…DC type
246…AC type
88
3-M8 screw
φ 187
17
18

Installation Dimension Drawings
Cord hole*
3 Mounting Holes - φ 9
120°
40
φ 140
Nameplate
120°
120°

*To pass a 100V outlet, a φ 35 cord hole is required.

Nominal Cross-sectional Area: Wire Type: Lead Line Length

SKC-201A,202A
1.25mm² : AVS : 250
SKC-210A (with plug)
0.75mm² : VCT : 330
SKC-220A
0.75mm² : VCT : 330

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HP

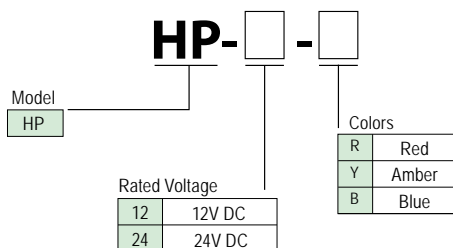| Colors	Red, Amber, Blue
Globe	The material is AS resin, which is translucent and highly weather resistant.
Body	ABS resin

The HP Series features an 186mm diameter, comes in multiple voltage types, and halogen bulbs as a light source.

· Halogen bulb light source; more efficient than incandescent bulb types
· Durable, weather resistant, ABS structure
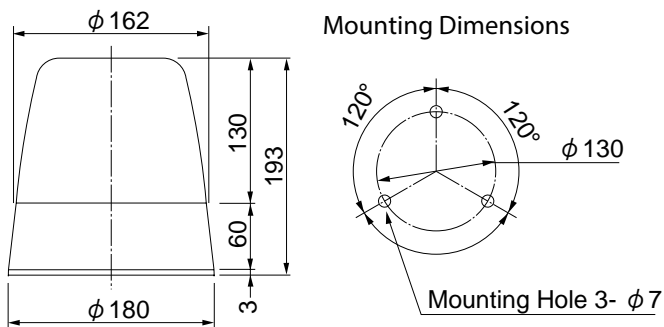· Available colors: Red, Amber, Blue

IP23 186φ

Specifications

Model	Rated Voltage	Halogen Bulb Bulb sold seperately	Flash Rate (fpm)	Mass
HP-12	12V/24V DC	0.5A	160	1.0kg
HP-24				

Model Code

HP-☐-☐

Model
HP

Rated Voltage
| 12 | 12V DC |
| 24 | 24V DC |

Colors
R	Red
Y	Amber
B	Blue

Dimensions (mm)

φ162
130
193
60
3
φ180

Mounting Dimensions

120° 120°
φ130

Mounting Hole 3- φ7

Network

Signal Tower

Signal Light

Revolving Warning Light

Cube Tower

Audibles

Hybrid Signaling Devices

LED Illumination

Options

Large Revolving Warning Light

KG

Network

Signal Tower

Signal Light

Revolving Warning Light

Cube Tower

Audibles

Hybrid Signaling Devices

LED Illumination

Options

Colors	Red (KG-100 model only) Amber
Globe	A polystyrene resin * that has superior weather resistance and translucency.

The KG Series features an 186mm diameter and comes in multiple voltage types, and incandescent bulbs as a light source.

· Belt-drive rotation system for silent and stable signaling
- Large, 2-sided reflecting mirror for intense rotating light flashing
· Weather resistant and corrosion proof body design
· Available colors: Red, Amber

IP23 186φ

Specifications

Model	Rated Voltage	Current Consumption	Number of flashes	Light bulb	Number	Mass
KG-12	12V DC	2.7A	180/minute	12V 35W	1	0.7kg
KG-24	24V DC	1.2A		24V 35W	2	
KG-100	100V AC	0.32A		120V 40W	36	0.9kg

Light bulb shape… 12V/24V / Glass ball RP35 Base BA15S   100V Glass ball RP35 Base BA15D

Light bulb No.	Model
1	D01203501-F1
2	D02403501-F1
36	D12004024-F1

*Light bulbs come in packs of 10.
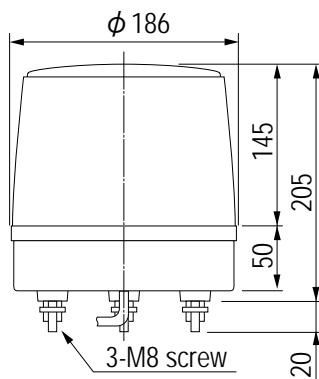*Stock for some light bulbs may be limited, as products become discontinued.

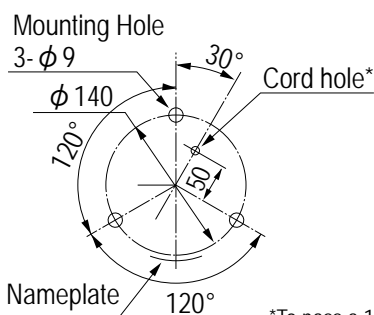We ask for your understanding in this regard.

Optional Parts   For details, see pages 182 to 187.

Optional Parts	Model
Wallmount Bracket	SZ-023
Wallmount Bracket	SZ-008

Dimensions (mm)

φ186

145

205

50

20

3-M8 screw

Installation Dimension Drawings

Mounting Hole
3-φ9
φ140
30°
120°
50
120°
Cord hole*
Nameplate

Nominal Cross-sectional Area : Wire Type: Lead Line Length
KG-12/24 : 1.75mm^2 : AV : 230
KG-100 (with plug): 0.75mm^2 : VCT : 450

*To pass a 100V outlet,
a φ30 or bigger cord hole is required.

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