Signal Beacon and Electronic Sounder Combinations for Vessels and Heavy Industry Applications

SED / SD / SMD Series

Wall mount Signal Beacon and Electronic Sounder combinations featuring superior durability, tight seal, and corrosion resistance, designed for vessels and heavy Industrial applications

PRODUCT SPECIFICATION

SED | SD | SMD

Materials Lens-PC, Housing-Al, Protection cage-STS316L, Reflector-PC, Reflector-Heat resistant ABS

Cable entry 1/2" PF

Protection rating IP66

Housing standard color MUNSELL No. 7.5BG 7/2

- Wall mount Signal Beacon and Electronic Sounder combinations for vessels and heavy industrial applications
- Aluminum housing and polycarbonate lens material provides excellent impact and shock resistance
- Excellent hermetic structure that block water and dust
- Can select a variety of light source(bulb, LED, xenon lamp) and sound pattern combination
- Attached terminal box enables easy wiring
- Can adjust sound volume and select sound pattern with the switches built inside the products

· **SED Series** Ø125mm signal beacon & electronic sounder with Max.114dB sound output
· **SD Series** Ø150mm signal beacon & electronic sounder with Max.114dB sound output
· **SMD Series** Ø150mm signal beacon & electronic sounder with Max.120dB sound output

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1 Lens

· Utilizes a strong and durable polycarbonate material with excellent shock and vibration resistance.

| Light transmission type | LED revolving type(SEDLR) LED revolving type(SED) |
| Light diffusion type | LED steady/flashing type(SEDL) Xenon lamp strobe type(SEDS) |

2 Protection cage

· The durable protection cage is made of corrosion resistant stainless steel that prevents damage to the lens from external contact
· Materials: STS316L

A Variety of Selectable Light Source and Function Combinations

You can select from a variety of light sources for your work environment, condition, and purpose. Basic specifications are as follows.
 · LED revolving type
 · LED steady/flashing type
 · Xenon lamp strobe type
 · Bulb revolving type

Customization

 · LED Strobe type
 · LED revolving type

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3 A variety of selectable warning sounds and sound massages

You can convey specific information with a variety of 20 warning sounds and voice messages.

Sound	Built-in sound	Ch	Sound tone
WS	5 Warning sounds	Ch1	Fire.A-ANG
		Ch2	Emergency WA-U(Yelp)
		Ch3	Ambulance PI-PO(Hi-low)
		Ch4	Machinery Fault
		Ch5	High Expansion
WP	5 Special warning sounds	Ch1	Fire.A-ANG
		Ch2	Abandon Alarm
		Ch3	Machinery Fault
		Ch4	High Expansion
		Ch5	7 Short Pl. / 1 Long
WM	5 Melodies	Ch1	Sweet Home
		Ch2	For Elise
		Ch3	Cuckoo's Waltz
		Ch4	Piano Sonata
		Ch5	Turkish March
WA	5 Alarms	Ch1	Beep Intermittent
		Ch2	Door Chime
		Ch3	Phone Ring
		Ch4	Pl.Pl.Pl Short
		Ch5	Tripping Beat
WV	5 Customizable voices	Ch1- Ch5	Customized sound tones

4 Housing

· The special aluminum housing features superior durability
· The housing is corrosion resistant from a special anodized surface treatment process
· Materials: Al

5 Terminal Box

· Terminal box is located at the bottom of the product for easy wiring
· Materials: Al

Signal Beacon and Electronic Sounder Combinations for Vessels and Heavy Industry Applications

SED / SD / SMD Series

SED / SD / SMD Series Product Categories

Standard type
- No protection cage is provided
- Recommended for the places where the lens is not damaged by external contact
- SED / SD / SMD Series

Protection cage type
- Provided with protection cage
- Lens can be protected from the damage by external contact
- SEDP / SDP / SMDP Series

SED / SD / SMD Series References

	SED Series	SD Series	SMD Series
Diameter/dB	Ø125mm, Max.114dB at 1m	Ø150mm, Max.114dB at 1m	Ø150mm, Max.120dB at 1m
Materials	Lens-PC, Housing-Al, Protection cage-STS316L, Reflector-PC, Reflector-Heat resistant ABS		
Protection rating	IP66		
Certificates	CCS, CE	CE	-
Cable entry	Standard : 1/2"PF (Customized cable entry available : 3/4"PF)		
Mounting	Wall mount		

Standard type	Built-in protection cage	Standard type	Built-in protection cage	Standard type	Built-in protection cage

LED revolving / Bulb revolving

| SEDLR SED | SEDLRP SEDP | SDLR SD | SDLRP SDP | SMDLR SMD | SMDLRP SMDP |

LED steady/flashing / Xenon lamp strobe

| SEDL SEDS | SEDLP SEDSP | SDL SDS | SDLP SDSP | SMDL SMDS | SMDLP SMDSP |

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Signal Beacon and Electronic Sounder for Vessels and Heavy Industry Applications

SMD Series

IP66	+50°C / -20°C	+50°C / -30°C	HORN	120dB	NPN

Ø150mm signal beacon and Max.120dB electronic sounder combination

🔔 SMDLR / SMDLRP   LED Revolving Signal Beacon and Electronic Sounder Combination

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
SMDLR SMDLRP	DC12V	2.000A	·WS-5 Warning sounds: Max.120dB ·WP-5 Special warning sounds : Max.120dB ·WM-5 Melodies: Max.115dB ·WA-5 Alarms: Max.118dB ·WV-5 Customizable voices: 109-117dB	-	·SMDLR DC-5.91kg AC-6.68kg ·SMDLRP DC-6.20kg AC-6.97kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	DC24V	1.322A				
	AC110V	0.380A				
	AC220V	0.200A				

· Revolving speed: 120-140RPM, Ø150mm

· Ambient operating temperature: -20°C to +50°C

💡 SMDL / SMDLP   LED Steady/Flashing Signal Beacon and Electronic Sounder Combination

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
SMDL SMDLP	DC12V	2.400A	·WS-5 Warning sounds: Max.120dB ·WP-5 Special warning sounds : Max.120dB ·WM-5 Melodies: Max.115dB ·WA-5 Alarms: Max.118dB ·WV-5 Customizable voices: 109-117dB	-	·SMDL DC-5.77kg AC-6.19kg ·SMDLP DC-6.06kg AC-6.48kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	DC24V	1.255A				
	AC110V	0.390A				
	AC220V	0.200A				

· Flashing rate: 60-80 flashes/min(Built-in steady/flashing selection switch), Ø150mm

· Ambient operating temperature: -30°C to +50°C

🔔 SMDS / SMDSP   Xenon Strobe Signal Beacon and Electronic Sounder Combination

Model number	Voltage	Current	Xenon lamp			Sound pattern and volume	Certificates	Weight	Color
			Spec	Standard	Parts no				
SMDS SMDSP	DC12V	2.822A	200V -550V	EUB0641 -1A(G) U type	48	·WS-5 Warning sounds : Max.120dB ·WP-5 Special warning sounds: Max.120dB ·WM-5 Melodies : Max.115dB ·WA-5 Alarms : Max.118dB ·WV-5 Customizable voices: 109-117dB	-	·SMDS DC-5.83kg AC-6.21kg ·SMDSP DC-6.12kg AC-6.50kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	DC24V	1.444A							
	AC110V	0.377A							
	AC220V	0.228A							

· Convenient lamp exchange by adopting connector type lamp installation

· Flashing rate: 60-80 flashes/min, Ø150mm

· Ambient operating temperature: -30°C to +50°C

🔔 SMD / SMDP   Bulb Revolving Signal Beacon and Electronic Sounder Combination

Model number	Voltage	Current	Bulb			Sound pattern and volume	Certificates	Weight	Color
			Spec	Standard	Parts no				
SMD SMDP	DC12V	3.644A	12V15W	G23 15S	17	·WS-5 Warning sounds : Max.120dB ·WP-5 Special warning sounds: Max.120dB ·WM-5 Melodies : Max.115dB ·WA-5 Alarms : Max.118dB ·WV-5 Customizable voices: 109-117dB	-	·SMD DC-5.98kg AC-6.76kg ·SMDP DC-6.27kg AC-7.05kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	DC24V	1.822A	24V15W	G23 15S	18				
	AC110V	0.470A	12V15W	G23 15S	17				
	AC220V	0.275A	12V15W	G23 15S	17				

· Revolving speed: 120-140RPM, Ø150mm

· Ambient operating temperature: -20°C to +50°C

※ Max.built-in volume feature is based on WS, WP-Ch23 / WM-Ch5 / WA-Ch5

※ In case of customized WV 5 tone type, there may be difference of volume depending on user's audio file type.
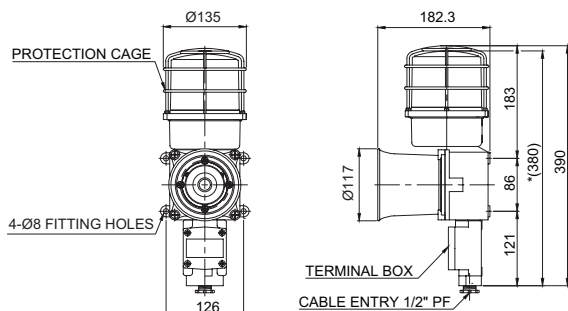

SMDLR

SMDLP / SMDSP

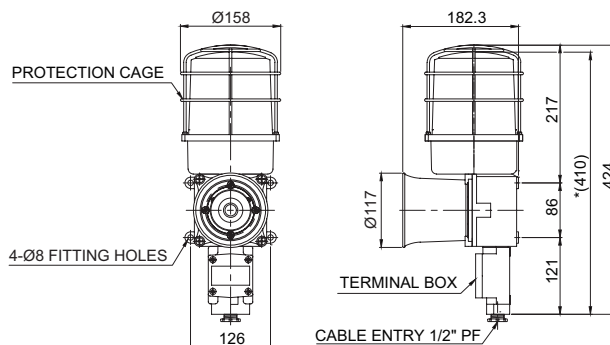**SMDP**

SED / SD / SMD Series

Technical Diagram

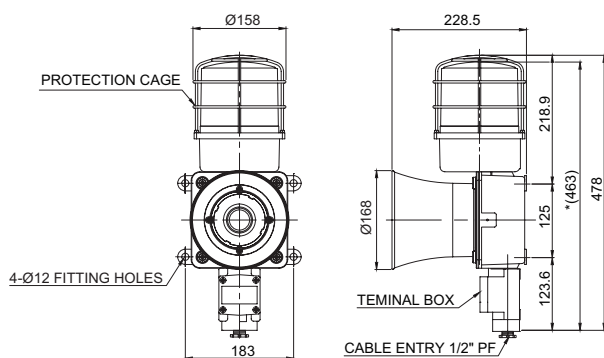Units: mm

·SEDLRP / SEDLP / SEDSP / SEDP

Ø135
182.3
183
*(380)
390
86
121
PROTECTION CAGE
Ø117
4-Ø8 FITTING HOLES
TERMINAL BOX
CABLE ENTRY 1/2" PF
126

※ *(380) represents SED Series size without protection cage.

·SDLRP / SDLP / SDSP / SDP

Ø158
182.3
217
*(410)
424
86
121
PROTECTION CAGE
Ø117
4-Ø8 FITTING HOLES
TERMINAL BOX
CABLE ENTRY 1/2" PF
126

※ *(410) represents SD Series size without protection cage.

·SMDLRP / SMDLP / SMDSP / SMDP

Ø158
228.5
218.9
*(463)
478
125
123.6
PROTECTION CAGE
Ø168
4-Ø12 FITTING HOLES
TEMINAL BOX
CABLE ENTRY 1/2" PF
183

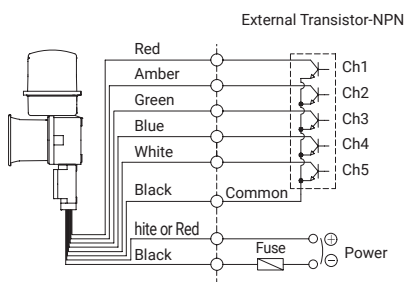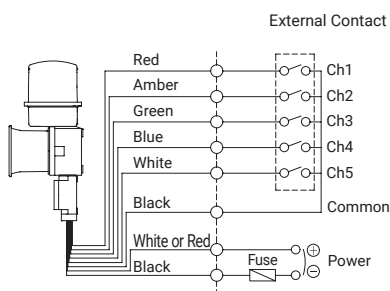※ *(463) represents SMD Series size without protection cage.

Customization

· Cable gland type
· Customized cable entry(3/4"PF) available(Standard : 1/2"PF)
· Customized external sound line type available : SED/SD/SMD Series have built-in switch for sound tone selection
· Customized wiring in case of external contact or transistor wiring type as sound tone selector (Model number : -LC)
· Brass housing : Brass housing for SD/ SMD Series are optionally provided which has excellent anti-corrosive properties
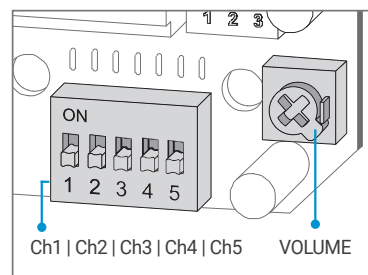※ Color will be MUNSELL No. 7.5BG 7/2 when released.

Sound Selection Instructions and Wiring

·SED / SD / SMD Series-DC/AC

· Customization: External contact(LC)

· Standard Type: Select sound using the switch inside of the unit. When you turn on the dip switch for each channel, the designated sound will be played.

External Contact

Red — Ch1
Amber — Ch2
Green — Ch3
Blue — Ch4
White — Ch5
Black — Common
White or Red
Black — Fuse — Power ⊕ ⊖

External Transistor-NPN

Red — Ch1
Amber — Ch2
Green — Ch3
Blue — Ch4
White — Ch5
Black — Common
hite or Red
Black — Fuse — Power ⊕ ⊖

1 2 3
ON
1 2 3 4 5
Ch1 | Ch2 | Ch3 | Ch4 | Ch5   VOLUME

Wiring Instructions

· SED, SEDLR, SD, SDLR, SMD, SMDLR - Black output line is negative(-).

Ordering Specification

SEDLR	-	WA	-	24	-	R
[Model number]		[Sound]		[Voltage]		[Color]
SEDLR / SEDLRP / SEDL / SEDLP		WS-ningds		12-DC12V		●R-Red
SEDS / SEDSP / SED / SEDP		Wpeci war		24-DC24V		●A-Amber
SDLR / SDLRP / SDL / SDLP				110-AC110V		●G-Green
SDS / SDSP / SD / SDP				220-AC220V		●B-Blue
SMDLR / SMDLRP / SMDL / SMDLP						
SMDS / SMDSP / SMD / SMDP						