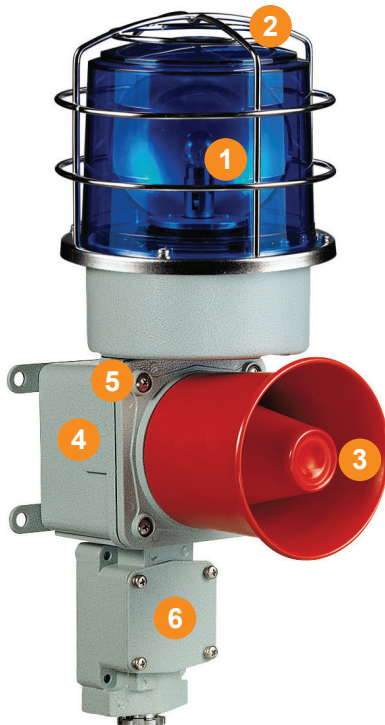


Wall mount warning light and electric horn combinations featuring superior durability, tight seal, and corrosion resistance, designed for vessels and heavy industrial applications

- **SED series**  
- 125mm warning light & electric horn with Max 118dB sound output
- **SD series**  
- 150mm warning light & electric horn with Max 118dB sound output
- **SMD series**  
- 150mm warning light & electric horn with Max 120dB sound output



### 1 Lens

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

The lens surface has two types according to the light source type and function-light diffusion type and light transmission type.

Light transmission type		LED revolving type(SEDLR) Bulb revolving type(SED)
Light diffusion type		LED steady/flashing type(SED/ LF) Xenon lamp strobe type(SED S)

### 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



### Common Specifications

- Wall mount warning light and electric horn 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(bu b, 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
- Cable entry : 1/2"PF
- Materials : Lens-PC, Housing-Al, Protection cage-ST S316L, Reflector-PC, Multi-tiered reflector-Heat resistance ABS
- Standard housing color : MUNS ELL No. 7.5GBG 7/2
- Protection rating : IP66

### ■ 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

User-selected LED strobe type and LED stimulated revolving type are available upon request.

### 3 A variety of selectable warning sounds and sound messages

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

Sound	Pattern	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	PI.PI.PI Short
		Ch5	Tripping Beat
WV	5 Customizable sound messages	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 Fully enclosed structure

- The tightly sealed warning light structure is waterproof and dustproof
- Protection rating : IP66

### 6 Terminal Box

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

# SED/ SD/ SMD series

Warning Light and Electric Horn Combinations  
for Vessels and Heavy Industry Applications

## SED/ SD/ SMD series Information



### Standard type

























- No protection cage is provided
- Recommended for the places where the lens is not damaged by external contact
- Model lists : SED/ SD/ SMD



### Protection cage type

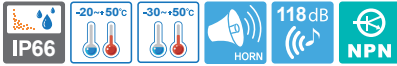
- Provided with protection cage
- Lens can be protected from the damage by external contact
- Model lists : SEDP/ SDP/ SMDP

## SED/ SD/ SMD series References

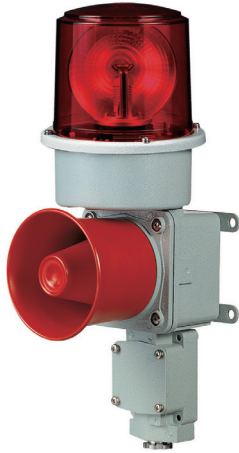
	SED series		SD series		SMD series	
Diameter / dB	Ø125mm / Max 118dB at 1m		Ø150mm / Max 118dB at 1m		Ø150mm / Max 120dB at 1m	
Materials	Lens - PC, Housing - Al, Protection cage-STS316L, Reflector - PC/ Heat resistant ABS					
Protection rating	IP66					
Certificates	KIMM/ CCS/ KR/ CE		KIMM/ ABS/ LR/ KR/ CE			
Cable entry	Standard : 1/2"PF (Customized cable entry available : 3/4"PF)					
Mounting	Wall mounting					
	Standard	With protection cage	Standard	With protection cage	Standard	With protection cage
LED revolving						
	SEDLR	SEDLRP	SDLR	SDLRP	SMDLR	SMDLRP
LED steady/flashing						
	SEDL	SEDLP	SDL	SDLP	SMDL	SMDLP
Xenon lamp strobe						
	SEDS	SEDSP	SDS	SDSP	SMDS	SMDSP
Bulb revolving						
	SED	SEDP	SD	SDP	SMD	SMDP

# SED/ SD/ SMD series

Warning Light and Electric Horn Combinations for Vessels and Heavy Industry Applications



Ø150mm signal light and 118dB electric horn combination



SDLR



SDL/ SDS



SD



## Common Specifications(SDLR/ SDL/ SDS/ SD)

- Materials : Lens-PC, Housing-AI, Protection cage-ST316L, Reflector-PC/Heat resistant ABS
- Cable entry : 1/2"PF
- Housing color : MUNSELL No. 7.5BG 7/2
- Protection rating : IP66



## SDLR/ SDLRP LED Revolving Warning Light and Electric Horn Combination

- Revolving speed : 120-140RPM
- Ambient operating temperature : -20°C to + 50°C

Model number	Voltage	Current	Sound pattern and volume	Cer ificates	Weight	Color
SDLR SDLRP	DC12V	2.633A	<ul style="list-style-type: none"> <li>• WS-5 Warning sounds : 118dB</li> <li>• WP-5 Special warning sounds : 118dB</li> <li>• WM-5 Melodies : 118dB</li> <li>• WA-5 Alarms : 116dB</li> <li>• WV-5 Customizable voices : 113dB</li> </ul>		<ul style="list-style-type: none"> <li>• SDLR DC-3.36kg</li> <li>• AC-4.13kg</li> <li>• SDLRP DC-3.65kg</li> <li>• AC-4.42kg</li> </ul>	<ul style="list-style-type: none"> <li>• R-Red</li> <li>• A-Amber</li> <li>• G-Green</li> <li>• B-Blue</li> </ul>
	DC24V	1.288A				
	AC110V	0.308A				
	AC220V	0.154A				



## SDL/ SDLP LED Steady/Flashing Warning Light and Electric Horn Combination

- Flashing rate : 60-80 flashes/min(Built-in steady/flashing selection switch)
- Ambient operating temperature : -30°C to +50°C

Model number	Voltage	Current	Sound pattern and volume	Cer ificates	Weight	Color
SDL SDLP	DC12V	2.511A	<ul style="list-style-type: none"> <li>• WS-5 Warning sounds : 118dB</li> <li>• WP-5 Special warning sounds : 118dB</li> <li>• WM-5 Melodies : 118dB</li> <li>• WA-5 Alarms : 116dB</li> <li>• WV-5 Customizable voices : 113dB</li> </ul>		<ul style="list-style-type: none"> <li>• SDL DC-3.22kg</li> <li>• AC-3.64kg</li> <li>• SDLP DC-3.51kg</li> <li>• AC-3.93kg</li> </ul>	<ul style="list-style-type: none"> <li>• R-Red</li> <li>• A-Amber</li> <li>• G-Green</li> <li>• B-Blue</li> </ul>
	DC24V	1.222A				
	AC110V	0.286A				
	AC220V	0.143A				



## SDS/ SDSP Xenon Lamp Strobe Warning Light and Electric Horn Combination

- Convenient lamp exchange by adopting a connector type lamp installation
- Flashing rate : 60-80 flashes/min
- Ambient operating temperature : -30°C to +50°C

Model number	Voltage	Current	Bulb			Sound pattern and volume	Certificates	Weight	Color
			Spec	Standard	Parts no				
SDS SDSP	DC12V	2.933A	200V -550V	EUB0641 -1A(G) U Type	48	<ul style="list-style-type: none"> <li>• WS-5 Warning sounds :118dB</li> <li>• WP-5 Special warning sounds :118dB</li> <li>• WM-5 Melodies : 118dB</li> <li>• WA-5 Alarms : 116dB</li> <li>• WV-5 Customizable voices : 113dB</li> </ul>		<ul style="list-style-type: none"> <li>• SDS DC-3.28kg</li> <li>• AC-3.66kg</li> <li>• SDSP DC-3.57kg</li> <li>• AC-3.95kg</li> </ul>	<ul style="list-style-type: none"> <li>• R-Red</li> <li>• A-Amber</li> <li>• G-Green</li> <li>• B-Blue</li> </ul>
	DC24V	1.411A							
	AC110V	0.360A							
	AC220V	0.220A							



## SD/ SDP Bulb Revolving Warning Light and Electric Horn Combination

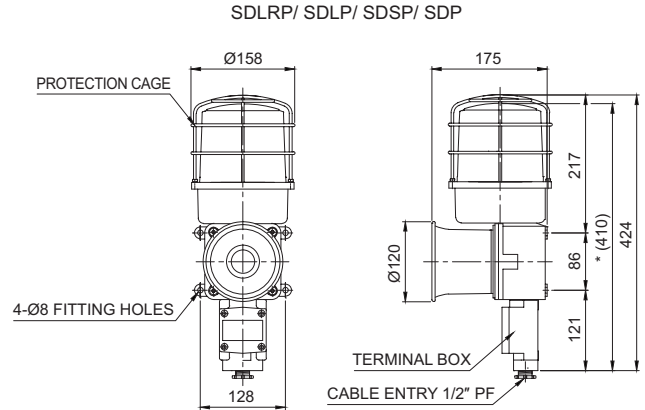
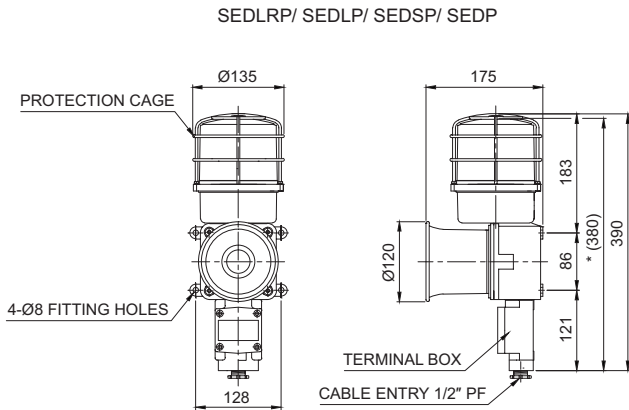
- Revolving speed : 120-140RPM
- Ambient operating temperature : -20°C to + 50°C

Model number	Voltage	Current	Bulb			Sound pattern and volume	Certificates	Weight	Color
			Spec	Standard	Parts no				
SD SDP	DC12V	3.755A	12V15W	G23 15S	17	<ul style="list-style-type: none"> <li>• WS-5 Warning sounds :118dB</li> <li>• WP-5 Special warning sounds :118dB</li> <li>• WM-5 Melodies : 118dB</li> <li>• WA-5 Alarms : 116dB</li> <li>• WV-5 Customizable voices : 113dB</li> </ul>	    DC Only	<ul style="list-style-type: none"> <li>• SD DC-3.43kg</li> <li>• AC-4.21kg</li> <li>• SDP DC-3.72kg</li> <li>• AC-4.50kg</li> </ul>	<ul style="list-style-type: none"> <li>• R-Red</li> <li>• A-Amber</li> <li>• G-Green</li> <li>• B-Blue</li> </ul>
	DC24V	1.788A	24V15W	G23 15S	18				
	AC110V	0.422A	12V15W	G23 15S	17				
	AC220V	0.211A	12V15W	G23 15S	17				



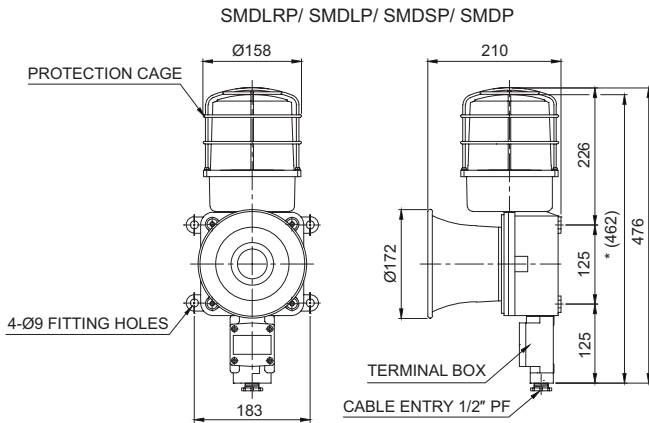
### Technical Diagram

(Units : mm)



\* (380) represents SEDLR/ SEDL/ SEDS/ SED size without protection cage.

\* (410) represents SDLR/ SDL/ SDS/ SD size without protection cage.



\* (462) represents SMDLR/ SMDL/ SMDS/ SMD 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

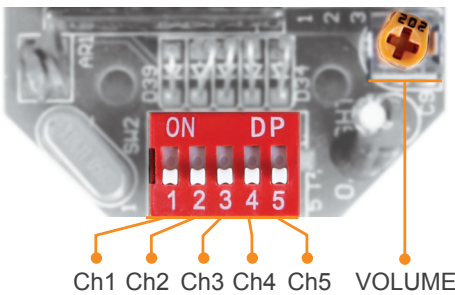
\* Color will be MUNSELL No. 7.5BG 7/2 when released.



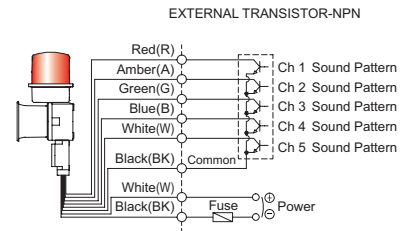
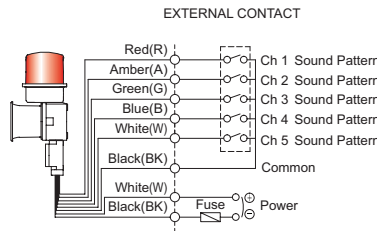
### Sound Selection Instructions and Wiring

- 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.

- Customization : External contact(LC)



SED SERIES DC/AC  
SD SERIES DC/AC  
SMD SERIES DC/AC



### Ordering Specification

SEDLR [Model number]	WA [Sound]	24 [Voltage]	R [Color]
<ul style="list-style-type: none"> <li>• SEDLR</li> <li>• SEDLRP</li> <li>• SEDL</li> <li>• SEDLP</li> <li>• SEDS</li> <li>• SEDSP</li> <li>• SED</li> <li>• SEDP</li> <li>• SDLR</li> <li>• SDLRP</li> <li>• SDL</li> <li>• SDLP</li> <li>• SDS</li> <li>• SDSP</li> <li>• SD</li> <li>• SDP</li> <li>• SMDLR</li> <li>• SMDLRP</li> <li>• SMDL</li> <li>• SMDLP</li> <li>• SMDS</li> <li>• SMDSP</li> <li>• SMD</li> <li>• SMDP</li> </ul>	<ul style="list-style-type: none"> <li>• WS-Warning sounds</li> <li>• WP-Special warning sounds</li> <li>• WM-Melodies</li> <li>• WA-Alarms</li> <li>• WV-Customizable voices</li> </ul>	<ul style="list-style-type: none"> <li>• 12-DC12V</li> <li>• 24-DC24V</li> <li>• 110-AC110V</li> <li>• 220-AC220V</li> </ul>	<ul style="list-style-type: none"> <li>• R-Red</li> <li>• A-Amber</li> <li>• G-Green</li> <li>• B-Blue</li> </ul>