

TOTAL CATALOG

The quality first is the enterprise of SEUN



SEUN ELECTRIC CO., LTD.

47, GAMCHEON-RO, 42BEON-GIL, SAHA-KU, BUSAN, KOREA
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SECOND FACTORY

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INTRODUCTION

❑ COMPANY : SEUN ELECTRIC CO., LTD.

❑ REPRESENTATIVE : PIL JONG YOO

❑ THE DATE OF ESTABLISHMENT (INCORPORATION) : JULY . 1TH .1989

❑ LOCATION : **HEAD OFFICE**

47, GAMCHEON-RO 42BEON-GIL, SAHA-GU, BUSAN, KOREA

TEL : +82-51-208-4643

SHINPYOUNG FACTORY (SECOND FACTORY)

5, EULSUKDO-DAERO 677BEON-GIL, SAHA-GU, BUSAN, KOREA

TEL : +82-51-202-0568

❑ MAIN PARTNERS : HYUNDAI HEAVY INDUSTRIES CO., LTD. / HYUNDAI MIPO DOCKYARD CO., LTD.
/HYUNDAI SAMHO HEAVY INDUSTRIES CO., LTD. / SAMSUNG HEAVY INDUSTRIES CO., LTD.

DAEWOO SHIPBUILDING & MARINE ENGINEERING CO., LTD. / DSEC /

HANJIN HEAVY INDUSTRIES & CONSTRUCTION CO., LTD

❑ MAIN PRODUCT LIST

- 1) BATTERY CHARGER
- 2) REEFER. COTAINER SOCKET
- 3) SIGNAL LIGHT COLUMN
- 4) WATER TIGHT DOOR INDICATION SYSTEM
- 5) MISCELLANEOUS COMMUNICATION ALARM SYSTEM
- 6) AIR LOCK ALARM SYSTEM
- 7) JUNCTIOIN BOX
- 8) MAGNETIC DOOR HOLDER

❑ CEO MESSAGE

The products developed and manufactured by SEUN have proven track record for functionality, stability, and reliability covering nearly three decades.

The high level of product and service quality established by SEUN has led to success in marine equipment.

SEUN equipment proves it's worth in rough seas throughout the world from the tropics to the arctic.

By paying careful attention to customer's needs.

This experience add up to the ability to meet customer's acquirements with speed and flexibility.

These many years for experience and backed up by a certificated ISO 9001 : 2015 quality management system.

SEUN try to do R&D for best products and customer's satisfaction.

COMPANY HISTORY

- ❑ 1984.09. Has Been Established Seun Electric Industrial Company
- ❑ 1989.07. Incorporated And Changed Name To Seun Electric Co.,Ltd.
- ❑ 1990.12. Bring To Completion Of Domestic Production Of Intrinsically Safety Communication System
- ❑ 1991.11. Appointment Of Military Power A Special Case A Category Of Business
(The Office Of Manpower Administration)
- ❑ 1998.12. Acquirement Of ISO 9001:9002 Certification (K.R Certification Center)
- ❑ 1999.12. Establishment Of The Second Factory
- ❑ 2000.07. Plan Of The Research Laboratory Foundation
- ❑ 2003.12. Acquirement Of ISO 9001:2000 Certification
(Korea Standard Association Certification Center)
- ❑ 2005.12. Acquirement Of CE Certification (Signal Light Column)
- ❑ 2008.12. Acquirement Of CE Certification (Battery Charger)
- ❑ 2009.12. Acquirement Of KS Q ISO 9001:2009 / ISO 9001:2008 Certification
(Korea Standard Association Certification Center)
- ❑ 2011.03. Obtain MED Certificate EC-Type Examination Certificate (Module B)
: Alarm device (Signal light column)
- ❑ 2011.08. Obtain MED Certificate EC Quality System Assessment Certificate (Module D)
: Alarm device (Signal light column)
- ❑ 2016.02. Explosion Proof product EX-WBS01, EX-WB01, EX-WS01 Acquired IECEx Certificates.
 - Warning Beacon and Sounder (EX-WBS01)
 - Warning Beacon (EX-WB01)
 - Warning Sounder (EX-WS01)
- ❑ 2016.03. Renewal MED Certificate EC-Type Examination Certificate (Module B)
: Alarm device (Signal light column)
- ❑ 2016.06. Explosion Proof product SUE-FL001, SUE-EHL001 Acquired ATEX Certificates.
 - Electric horn with lamp (SUE-EHL001)
 - Flash light (SUE-FL001)
- ❑ 2016.07. Renewal MED Certificate : EC Quality System Assessment Certificate (Module D)
: Alarm device (Signal light column)
- ❑ 2017.07. Explosion Proof product SU-JBE, SU-JBU Acquired IECEx Certificates.
 - Junction box (SU-JBE Series)
 - Empty Enclosure (SU-JBU Series)
- ❑ 2017.12. Acquirement Of KS Q ISO 9001:2015 / ISO 9001:2015 Certification
(Korea Standard Association Certification Center)
- ❑ 2018.04. Explosion Proof product SUE-CS001, SUE-CS002 Acquired IECEx Certificates
 - Control Station & Junction box (SUE-CS001, CS002)
- ❑ 2018.04. Explosion Proof product SUE-PB001, SUE-PL001 Acquired IECEx Certificates
 - Push Button (SUE-PB001)
 - Pilot Lamp (SUE-PL001)
- ❑ 2018.06. Explosion Proof product SUE-LSC001 Acquired IECEx Certificates
 - Light Signal Column (SUE-LSC001)

Thyristor Controlled Battery Charger And DC24V Distribution Board



SU-BC-2015 Series LCD DISPLAY TYPE



Standard Type

High Current Type

With Back-up
Rectifier System

Battery
Combined Type



LCD DISPLAY MONITOR

- 320×240 Graphic LCD Display
- Alarm Event Memory Function
- Full Automatic Control System
- Auto Equal Charging System
- Output voltages : 12 ~ 130V DC
- Output capacity : 10 ~ 1000A DC

ALARM DEVICE

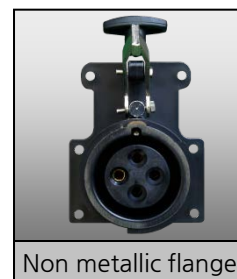
Input Power Fail Alarm	Battery Discharging Alarm
Under Voltage Alarm	Battery Disconnection Alarm
High Voltage Alarm	Rectifier Fail Alarm
Over Current Alarm	Fan Fail Alarm
Earth Leakage Alarm	

Full Automatic Charging System

Product Features:

- Graphic LCD Display
- PC Remote Function
- Alarm Event Memory Function
- Auto Cycle Equal Charging system
- High Efficiency
- High Power Factor
- Digital Ammeter & Voltmeter
- Digital Alarm Control
- Output Current Limiting
- Constant Output Voltage
- Insulation Resistance Meter
- Local or Remote Sensing
- Self Standing Type
- Load Part Diode Dropper
- Output Circuit Breaker
- Output Fuse & Disconnection Switch

RCS-200 series Non metallic flange type Reefer Container Socket



Non metallic flange type Reefer container socket

Standard type

RCS-201 1-gang socket

RCS-202 2-gang socket

RCS-203 3-gang socket

RCS-204 4-gang socket

RCS-205 5-gang socket

RCS-206 6-gang socket

RCS-207 7-gang socket

RCS-208 8-gang socket

RCS-209 9-gang socket

4-pole monitoring Socket with optional pct combined type

RCS-221 1-gang socket

RCS-222 2-gang socket

RCS-223 3-gang socket

RCS-224 4-gang socket

RCS-225 5-gang socket

RCS-226 6-gang socket

RCS-227 7-gang socket

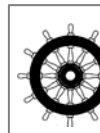
RCS-228 8-gang socket

RCS-229 9-gang socket

RCS-300 series Metallic flange type

Protection Degree	IP67 (water tight approved type) Approval KIMM cert. no : EX99IP589 Patent no. : 0379623
Electrical range	32A 3P+PE 380/440V, 50/60Hz.
Switch	1 circuit breaker per power unit with thermal magnetic tripping
Material	-Body and cover stainless steel SUS304 -Stainless steel on-off device -Plastic socket flange -Plastic bayonet cap and socket interior -Plastic on-off knob
Standard Finishes	Body and cover electrostatic powder coating
Variation	-With 4-pole monitoring socket -Loop-through version for power supply cable -Installation of monitoring electronic -Special versions of the housing at customer request (special dimensions, special mountings, color upon request) -Circuit breaker with other short breaking capacity -Variable position of cable glands -Housing and cover of stainless steel SUS 316
Features	In accordance with C.E.E standard and I.E.C as well as I.S.O specification
Equipment	- Stainless steel mechanical locking mechanism -With mechanical locking device, plug can be removed in O-position only -Plugging in and pulling out are possible only if voltage is disconnected

Light Signal Column



EC Type - Examination Certification
Module B : TE/MED/09/2011
EC Quality System Assessment Cert.
Module D : MED-MD-1007-11



AE 50076739 0001

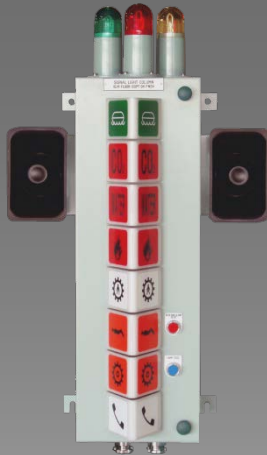


SLC-SC-200 Series

RS-422 Serial
Communication Type

- Self operating function
- 16 alarm sounds memory
- Central priority selection

Protection degree	IP44
Electrical range	DC24V. AC110~AC220V, 50/60Hz. (Customer Specification)
Mimic lamp	-Material : Polycarbonate -Size : 80(W)×100(H) -Lamp : 10watt
Warning light	Strobe light (Flashing xenon) Lens color : Green, Green/white, Yellow, Red
Electric horn	120dBA at 50watt 1metre
Electric siren (Motor siren)	120dBA at 1metre
Enclosure Material	Sheet steel
Standard finishes	Body and cover electrostatic powder



Standard Type



Small Type



Explosion Proof Type



Main Relay Board



Console Type

Watertight Door Indication System

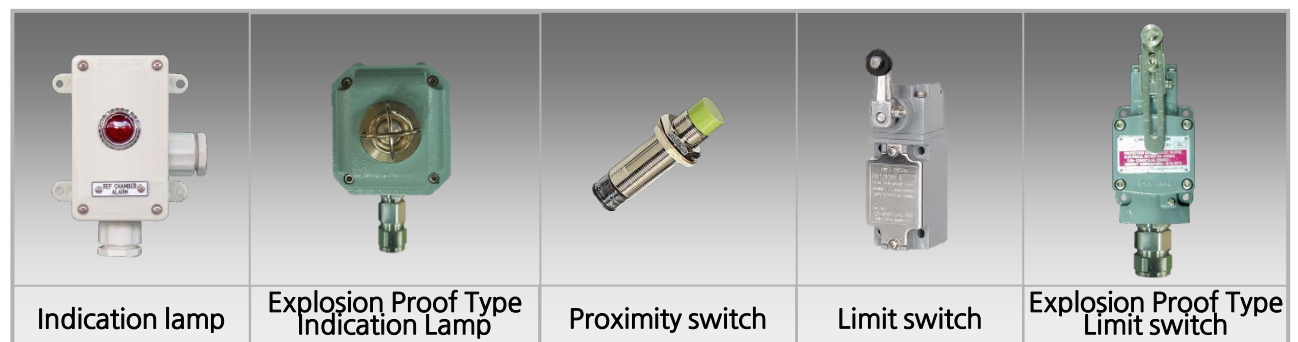
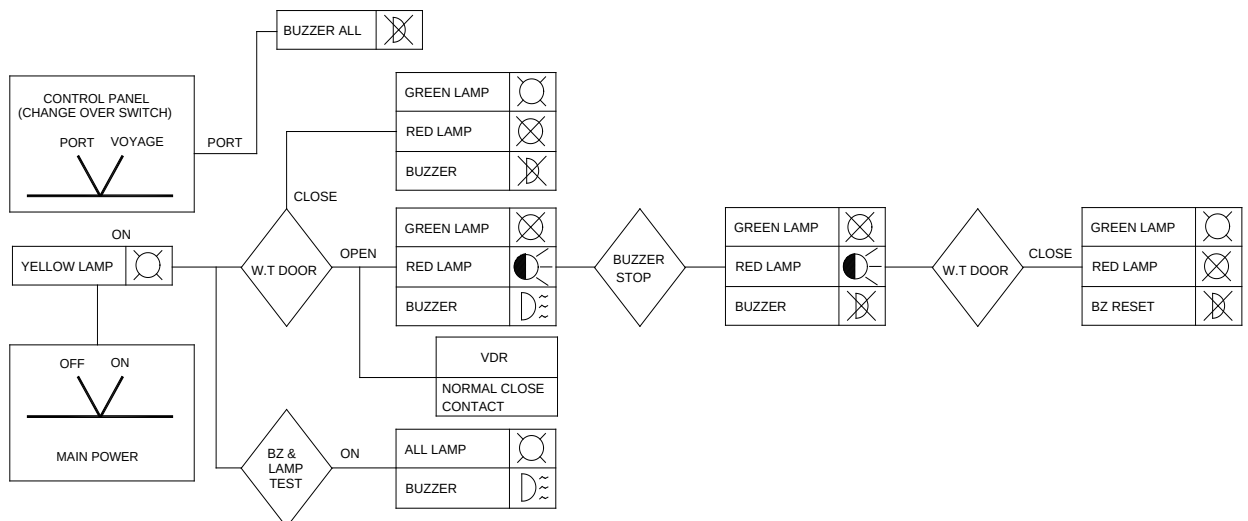


Certificate No.: KOMERI-C-10T321



Electrical range	DC24V, AC110~AC220V, 50/60Hz. (Customer Specification)
Door sense type	Proximity switch (Normal or Explosion proof type) Limit switch (Normal or Explosion proof type)
Function	Door open alarm buzzer Alarm stop push buzzer Lamp & buzzer test switch Lamp dimmer switch Port/Voyage selection switch
Panel mounting type	Flush mounting type Wall mounting type

Function diagram



Air Lock Alarm System

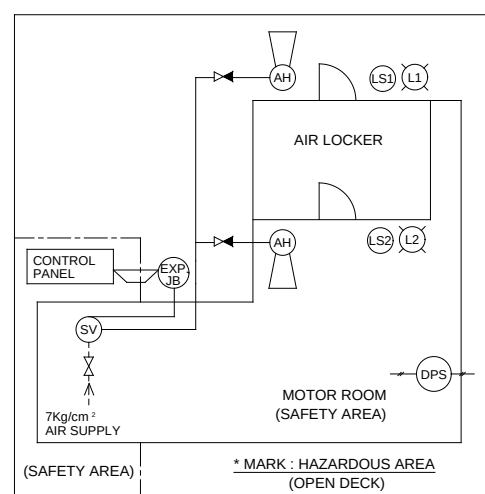
Air Lock Alarm System



Air Lock Alarm Control Panel

Control panel	DC24V, AC110~AC220V, 50/60Hz. (Customer Specification)
Door sense type	Limit switch (Normal or Explosion proof type)
Diff. Pressure Switch	Diff. Pressure switch (Explosion proof type)
Function	Source Lamp Diff. Press. Low Lamp Air Lock Door Open Lamp Motor Room Door Open Lamp Alarm Buzzer Buzzer Stop Push Button
Panel mounting type	Flush mounting type Wall mounting type

Function diagram



Diff. Pressure Switch & Test kit



Explosion Proof Type Elec. Horn with Lamp	Explosion Proof Type Flash light	Air horn	Explosion Proof Type Solenoid valve	Explosion Proof Type Limit switch

Pump Room Dead Man Alarm System



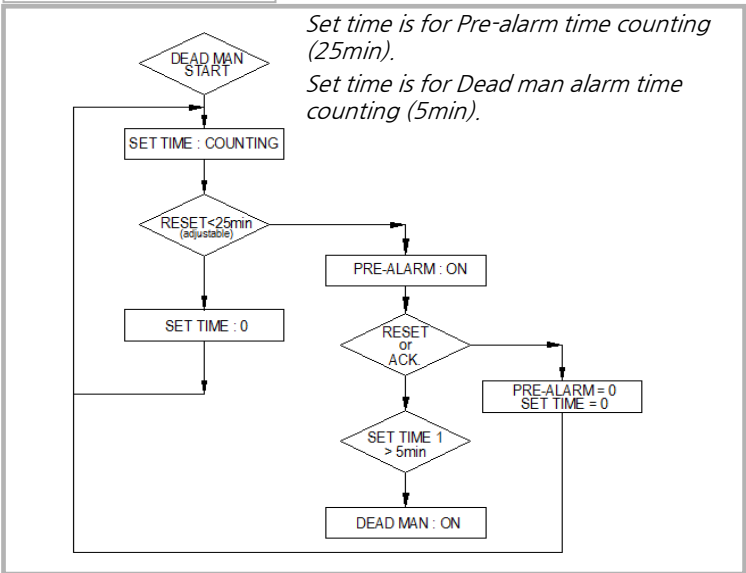
Dead man Alarm Control Panel
(Wall mounting type)

Control panel	DC24V, AC110~AC220V, 50/60Hz. (Customer Specification)
Dead Man Alarm Start / Stop	Push Button With Lamp (Explosion proof type)
Dead Man Alarm Reset	Push Button (Explosion proof type)
Function	Source Lamp System Start Push Button / Lamp System Stop Push Button Dead Man Alarm Lamp Dead Man Alarm Buzzer Dead Man Alarm Buzzer Stop PB
Panel mounting type	Console mounting type Wall mounting type



Dead man Alarm Control Panel
(Console mounting type)

Function diagram



Explosion Proof Type
Elec. Horn with Lamp



Explosion Proof Type
Flash Light



Air horn

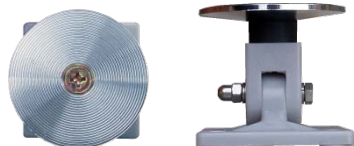


Explosion Proof Type
Reset Push Button



Explosion Proof Type
Start/Stop PB with lamp

Magnetic Door Holder



Magnetic door holder pad



Not water tight type

Water tight type

A. NAME : ELECTRO-MAGNETIC DOOR HOLDER (MANUAL RELEASE BUTTON TYPE)

B. MODEL NO. : SU-MDN, SU-MDW

C. OPERATION

THE PURPOSE OF THE DOOR HOLDERS IS TO RETAIN A DOOR OR HATCH OPEN OR CLOSED AS LONG AS THE CURRENT TO THE HOLDER IS SWITCHED ON. ON CUTTING OFF OF THE CURRENT THE HOLDER RELEASES AND THE DOOR OR HATCH IS CLOSED BY MEANS OF A DOOR CLOSER.

BY MEANS OF VARIOUS MECHANICAL FITTINGS THE HOLDER CAN BE ADAPTED TO DIFFERENT TYPES OF DOORS AND HATCHES. SINCE THE ARMATURE HAS A PAD, THE HOLDER WILL COME UP FLUSH AGAINST THE ARMATURE AND SO ATTAIN FULL HOLDING FORCE.

D. ELECTRICAL SPECIFICATION

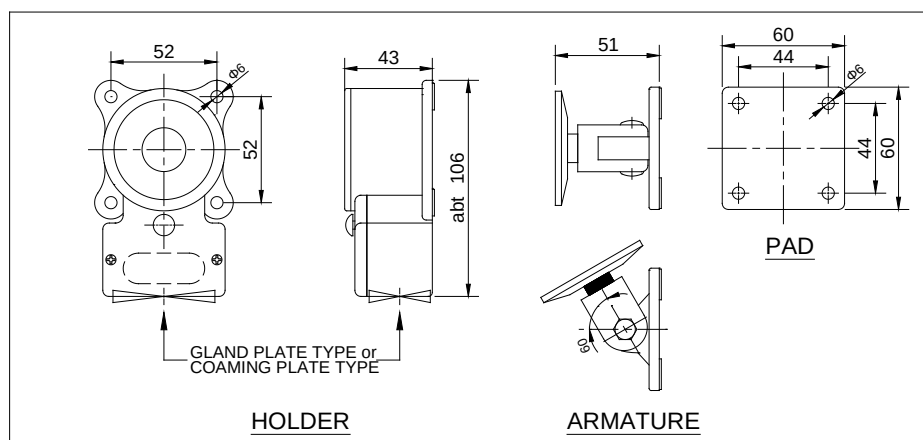
- OPERATING VOLTAGE : DC24V
- POWER CONSUMPTION : 1.08W
- CURTENT CONSUMPT : 45.2mA
- HOLDING FORCE : 23kg

E. TYPE

COAMING PLATE TYPE		GLAND PLATE TYPE	
	■MODEL NO. : SU-MDN		■MODEL NO. : SU-MDW

- COMBINED TYPE (WATER TIGHT & NON WATER TIGHT)
- CABLE GLANDS TO BE SUITABLE FOR YARD CABLE OUT DIAMETER 15.0mm.

F. DIMENSIONAL SKETCHES

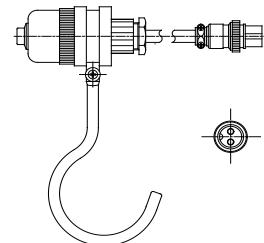


SU-1001

Portable type Push button



- Cable length : 3M~5M
(Customer Specification)
- Push button : Push Lock type or
Push Return type
- Mounting type : Hanger type
- Location : Hospital room

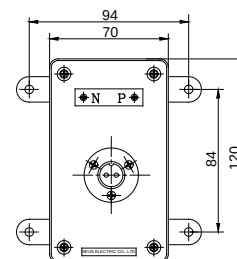


SU-1002

Receptacle for Portable push button



- Mounting type : Wall mounting type
Flush mounting type
- Location : Hospital room
- Socket : 2P
- Enclosure Material : ABS
- Color : Gray

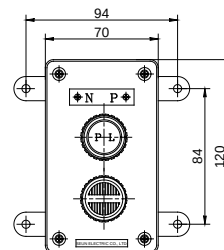


SU-1009

Buzzer with lamp



- Mounting type : Wall mounting type
Flush mounting type
- Electrical range : DC24V, AC110~AC220V
- Enclosure Material : ABS
- Lamp color : White, Yellow, Blue, Red
- Color : Gray

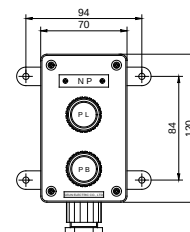


SU-1017A

Push button with lamp



- Ingress protection : IP56
- Electrical range : DC24V, AC110~AC220V
- Frequency : 50/60Hz.
- Material : ABS
- Lamp color : White, Yellow, Blue, Red
- Color : Gray

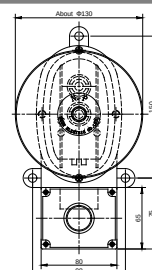


SU-1023R

Alarm bell with lamp

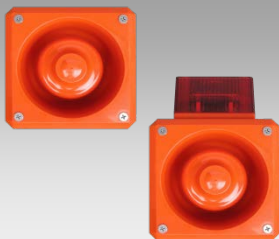


- Electrical range : DC24V, AC110~AC220V
- Enclosure Material : Body - Resin(ABS)
Bell pen - Steel
- Output : 90dB at 1metre
- Bell pen : 130mm, 200mm
- Bell pen color : Red, Blue, Yellow, White /cr
- Lamp color : White, Yellow, Blue, Red
- W.T cable gland type, N.W.T coaming type

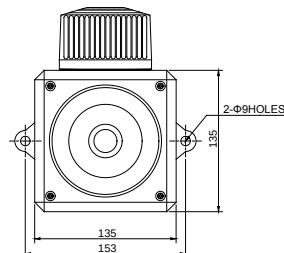


SUB106 / BL106

Low current high output Elec. Horn with Lamp



- High sound output
- Low current consumption
- Operating voltage DC24V and DC48V, AC115V, AC230V±10
- Sound level : 110dB/1m
- Ingress protection : IP65
- Material : ABS

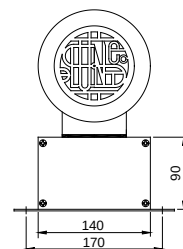


SU-MS8411

Motor siren



- Ingress protection : IP55
- Electrical range: DC24V, AC110~AC220V
- Sound level : 120dB/1m
- Material : Body-Sheet steel
Motor siren-Resin(ABS)
- Color : Red

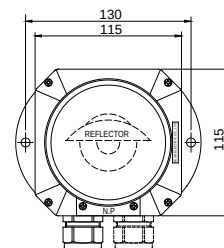


SU-003R

Rotating light



- Ingress protection : IP56
- Electrical range : DC24V, AC110~AC220V
- Bulb : 10W
- Material : Body - Resin
- Lens color: Green, Yellow, Red, Blue
- Body Color : Black

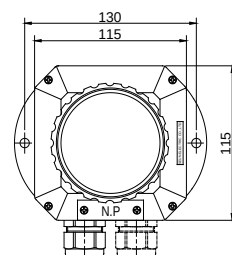


SU-003S

Strobe light



- Ingress protection : IP56
- Electrical range : DC24V, AC110~AC220V
- Material : Body - Resin
Lens - Polycarbonate
- Lens color : Green, Yellow, Red
- Body color : Black

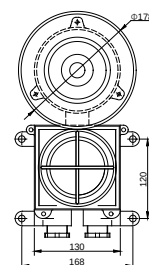


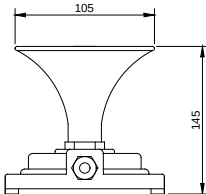
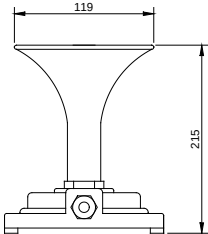
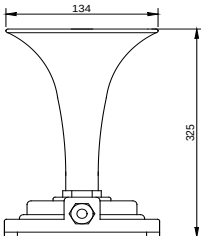
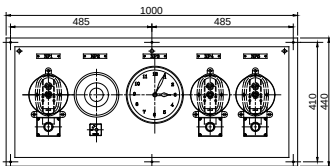
SU10-EH8411

Electric Horn with Strobe Light



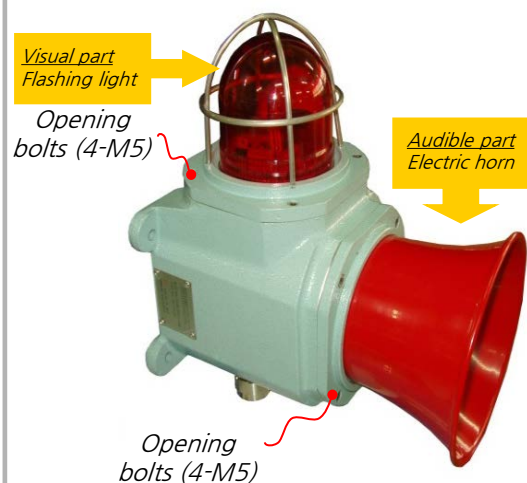
- Ingress protection : IP56
- Electrical range : DC24V, AC110~AC220V
- Sound level : 118~120dB/1m
- Lens color : Green, Blue, Yellow, Red
- Enclosure Material : Cast Aluminum
- Sound : Kind of 10 Sound
- Body color : Munsell No. 7.5BG 7/2



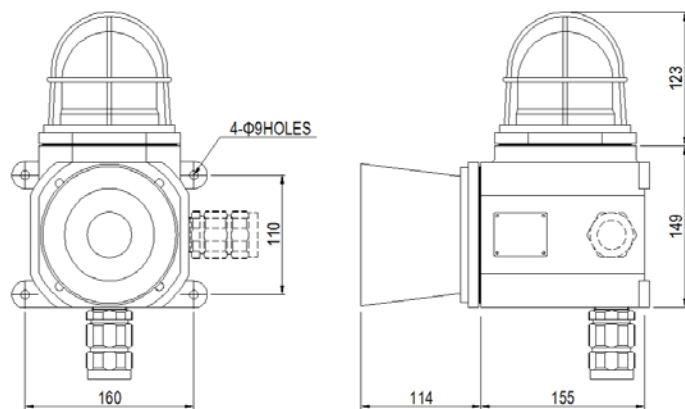
Type-1	Air Horn		
	• Material : Resin(ABS) • Air pressure : 4~8kg/cm² • Connection : 10mm O.D, PT¼ • Sound frequency : 700~800Hz • Sound level : 120dB/1m • Color: Red.		
Type-2	Air Horn		
	• Material : Resin(ABS) • Air pressure : 4~8kg/cm² • Connection : 10mm O.D, PT¼ • Sound frequency : 400~600Hz • Sound level : 120dB/1m • Color : Red, Blue, Blue/green(7.5BG 7/2)		
Type-3	Air Horn		
	• Material : Resin(ABS) • Air pressure : 4~8kg/cm² • Connection : 10mm O.D, PT¼ • Sound frequency : 200~300Hz • Sound level : 120dB/1m • Color :Yellow, Red, Blue/green(7.5BG 7/2)		
Accessory			
			
Solenoid Valve & Box	Air Strainer	Stop Valve	Non-return Valve
SU-GAPLW	Galley Group Alarm Panel		
	• Type : A TYPE, B TYPE, C TYPE • Material : SUS304 • Location : Galley • Composition : Ref. Chamber alarm bell Speaker Clock Deep fat fryer (Discharge) Deep fat fryer (High temp.)		

Electric horn with flashing light SUE-EHL001

Ex ATEX
Explosion proof type



DIMENSIONS(mm)



MAIN FEATURE

Certification : Ex db IIB T5 Gb

Certification No. : Presafe 16 ATEX 8066X

Ingress protection : IP66

Enclosure Material : Cast copper free aluminum

Lens color : Green, Clear, Yellow, Red, Blue

Body painting color : MUNSELL NO. 7.5BG 7/2

Cable gland : M20 x 1.5 - 2EA (Standard)

TECHNICAL SPECIFICATION

Operating voltage : DC24V, AC110V, AC220V 50/60Hz

Power consumption DC24V : 490mA, AC110V : 313mA, AC220V : 249mA

Stroke : XENON / (No. of flickering : 0.4~0.7times / SEC.)

Operating temperature : -30℃ ~ +60℃

Sound output : 118dB

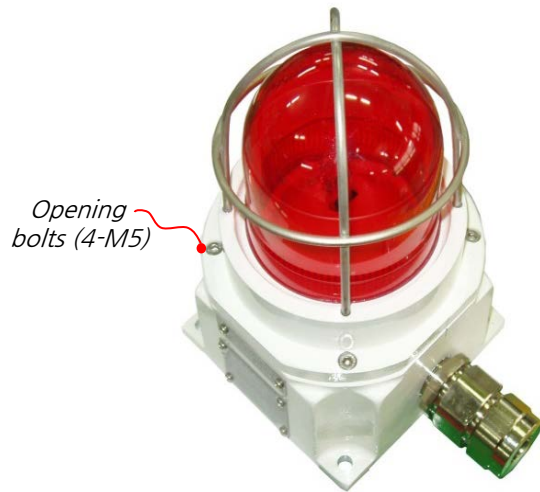
Weight : DC Type 5.3kg, AC Type 5.98kg

MAINTENANCE

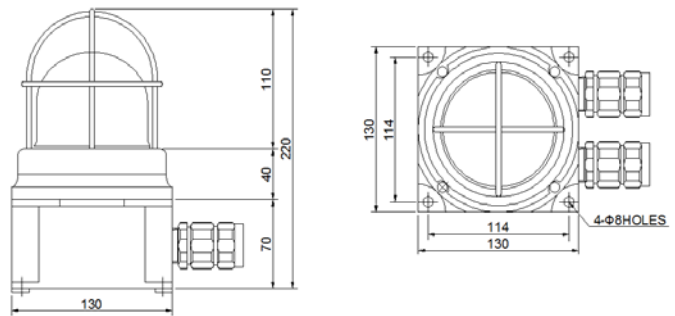
1. Take care not to damage the housing or protection net, globe, horn.
2. To replace a defective flash circuit board (Not visual), please proceed as follows.
 - 1) Disconnect power
 - 2) Open the unit (4-M5 Length bolts)
 - 3) Remove circuit board
3. To replace a defective electric horn (Not audible), please proceed as follows.
 - 1) Disconnect power
 - 2) Open the unit (4-M5 Length bolts)
 - 3) Remove driver unit

Flashing light SUE-FL001

Ex ATEX
Explosion proof type



DIMENSIONS(mm)



MAIN FEATURE

Certification : Ex db IIB T5 / T6 Gb

Certification No. : Presafe 16 ATEX 8067X

Ingress protection : IP66

Enclosure Material : Cast copper free aluminum

Lens color : Green, Clear, Yellow, Red, Blue

Body painting color : WHITE

Cable gland : M20 x 1.5 - 2EA (Standard)

TECHNICAL SPECIFICATION

Operating voltage : DC24V, AC110V, AC220V 50/60Hz

Power consumption DC24V : 120mA, AC110V : 109mA, AC220V : 141mA

Strobe : XENON / (No. of flickering : 0.4~0.7times / SEC.)

Operating temperature : -30℃ ~ +60 ℃(For T5), -30℃ ~ +50 ℃(For T6)

Weight : 2.5kg

MAINTENANCE

1. Take care not to damage the housing or protection net, globe.
2. To replace a defective flash circuit board, please proceed as follows.
 - 1) Disconnect power
 - 2) Open the unit (4-M5 Length bolts)
 - 3) Remove circuit board

Warning Beacon and Sounder

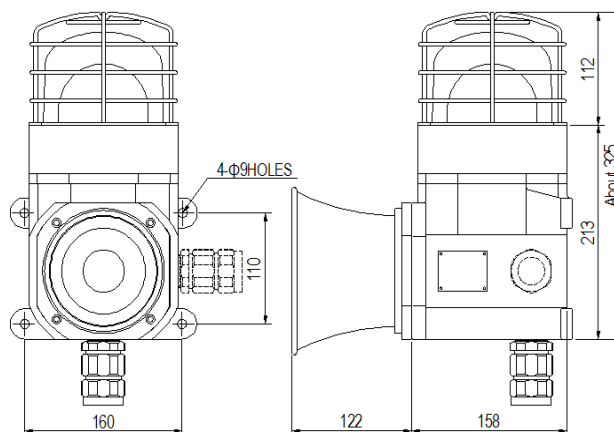
EX-WBS01



Explosion proof type



DIMENSIONS(mm)



MAIN FEATURE

Certification : Ex db IIB + H₂ T4 / T5 / T6 Gb

Certification No. : IECEx CQM 15.0052X

Ingress protection : IP66

Enclosure Material : Cast copper free aluminum

Lens color : Green, White, Yellow, Red, Blue

Body painting color : MUNSELL NO. 7.5BG 7/2

Cable gland : M20 x 1.5 - 2EA (Standard)

TECHNICAL SPECIFICATION

Operating voltage : DC24V, AC110V, AC220V 50/60Hz

Power consumption DC24V: 120mA, AC110V: 109mA, AC220V: 141mA

Strobe : XENON / (No. of flickering : 0.4~0.7times / SEC.)

Operating temperature : -20℃~ +20℃ (For T6), -20℃~ +35℃ (For T5), -20℃~ +60℃ (For T4)

Weight : 9.3kg

MAINTENANCE

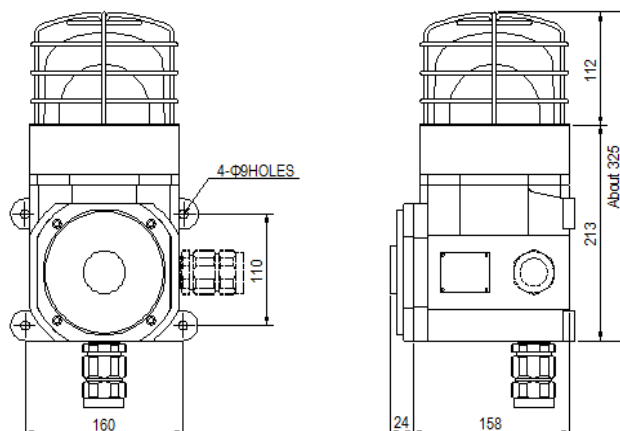
Change of circuit board

After being aware of below instruction and outside view drawing, conduct the board change.

- 1) Caution! - Change the board after power shut-down and stay 1 minute at least.
- 2) Separate Glass cover set (Applicable for EX. WBS01 / EX. BS01 model)
 - A. Unfasten the HEX SOCKET SCREW(M4) - 2EA at the glass cover area with hexagon wrench.
 - B. Wind counterclockwise and separate them.
 - C. Detach "C" shape STOP RING and separate the inner globe.
- 3) Change the circuit board
 - A. Separate the connector below the board.
 - B. Joint the connector to the changed circuit board correctly and put the location.
- 4) Reassembly
Reverse order of disassembly

Warning Beacon

EX-WB01

**DIMENSIONS(mm)**

MAIN FEATURE

Certification : Ex db IIB + H₂ T4 / T5 / T6 Gb

Certification No. : IECEx CQM 15.0052X

Ingress protection : IP66

Enclosure Material : Cast copper free aluminum

Lens color : Green, White, Yellow, Red, Blue

Body painting color : MUNSELL NO. 7.5BG 7/2

Cable gland : M20 x 1.5 - 2EA (Standard)

TECHNICAL SPECIFICATION

Operating voltage : DC24V, AC110V, AC220V 50/60Hz

Power consumption DC24V: 120mA, AC110V: 109mA, AC220V: 141mA

Strobe : XENON / (No. of flickering : 0.4~0.7times / SEC.)

Operating temperature : -20℃~ +20℃ (For T6), -20℃~ +35℃ (For T5), -20℃~ +60℃ (For T4)

Weight : 9.3kg

MAINTENANCE

Change of circuit board

After being aware of below instruction and outside view drawing, conduct the board change.

- 1) Caution! - Change the board after power shut-down and stay 1 minute at least.
- 2) Separate Glass cover set (Applicable for EX. WBS01 / EX. BS01 model)
 - A. Unfasten the HEX SOCKET SCREW(M4)- 2EA at the glass cover area with hexagon wrench.
 - B. Wind counterclockwise and separate them.
 - C. Detach "C" shape STOP RING and separate the inner globe.
- 3) Change the circuit board
 - A. Separate the connector below the board.
 - B. Joint the connector to the changed circuit board correctly and put the location.
- 4) Reassembly
Reverse order of disassembly

Warning Sounder EX-WS01

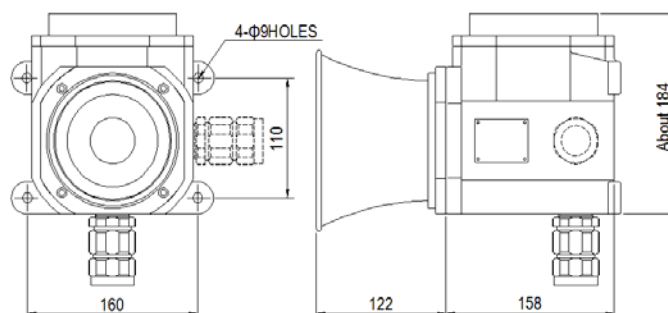


IECEx

Explosion proof type



DIMENSIONS(mm)



MAIN FEATURE

Certification : Ex db IIB + H₂ T4 / T5 / T6 Gb

Certification No. : IECEx CQM 15.0052X

Ingress protection : IP66

Enclosure Material : Cast copper free aluminum

Body painting color : MUNSELL NO. 7.5BG 7/2

Cable gland : M20 x 1.5 - 2EA (Standard)

TECHNICAL SPECIFICATION

Operating voltage : DC24V, AC110V, AC220V 50/60Hz

Power consumption DC24V: 120mA, AC110V: 109mA, AC220V: 141mA

Operating temperature : -20℃~ +20℃ (For T6), -20℃~ +35℃ (For T5), -20℃~ +60℃ (For T4)

Weight : 7.0kg

MAINTENANCE

Change of circuit board

After being aware of below instruction and outside view drawing, conduct the board change.

- 1) Caution! - Change the board after power shut-down and stay 1 minute at least.
- 2) The separation of the BODY COVER (EX. WS01 applied)
 - A. Unfasten the fixing bolt (M5x6 bolt 4EA) at the BODY COVER area with hexagon wrench
 - B. Carefully separate BODY COVER
 - C. Remove the "C" shape STOP RING and separate the inner circuit board.
- 3) Change the circuit board
 - A. Separate the connector below the board.
 - B. Joint the connector to the changed circuit board correctly and put the location.
- 4) Reassembly
Reverse order of disassembly

Light Signal Column SUE-LSC001

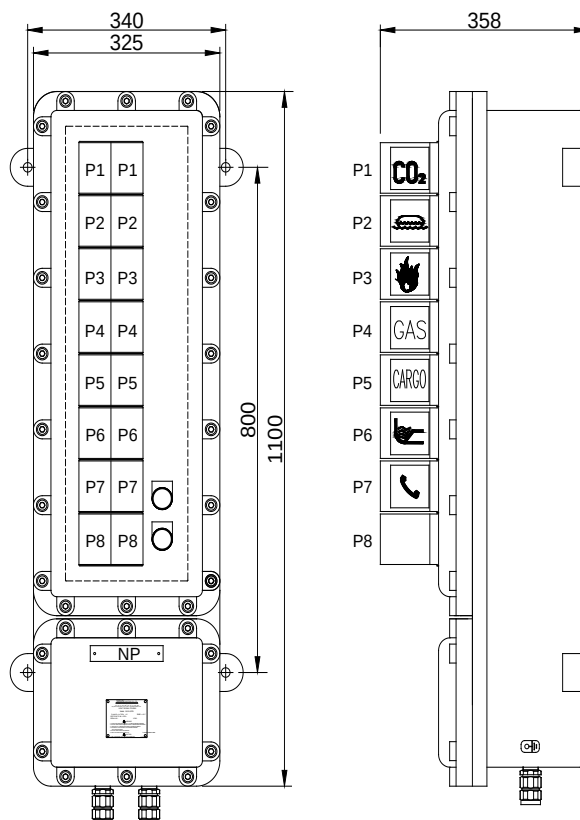


IECEX

Explosion proof type



DIMENSIONS(mm)



MAIN FEATURE

Certification : Ex db IIB T6 Gb

Certification No. : IECEx KTL 18.0008X

Ingress protection : IP66

Enclosure Material : Cast copper free aluminum

Body painting color : Customer specification

Cable gland : Customer specification

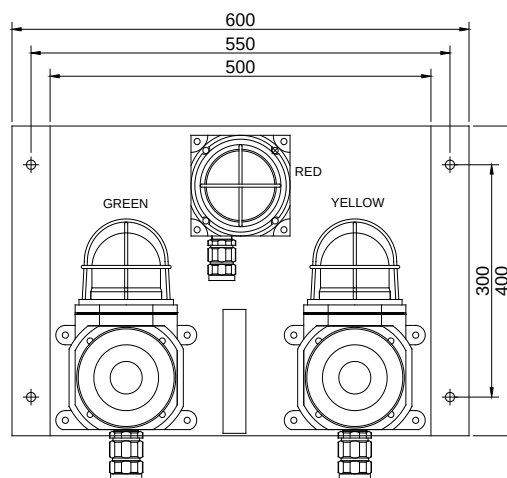
TECHNICAL SPECIFICATION

Operating voltage : AC110V, AC220V 50/60Hz

Power consumption : AC110V : 0.8A,
AC220V : 0.45A

Operating temperature : -40℃ ~ +60℃

Weight : About 95kg



Explosion Proof **Electric Siren** with **Green** Flashing Light
Explosion Proof **Electric Horn** with **Yellow** Flashing Light
Explosion Proof **Red** Flashing light

Control Station & Junction Box SUE-CS001, SUE-CS002



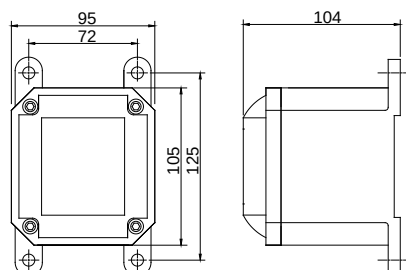
IECEx

Explosion proof type



SUE-CS001

DIMENSIONS(mm)



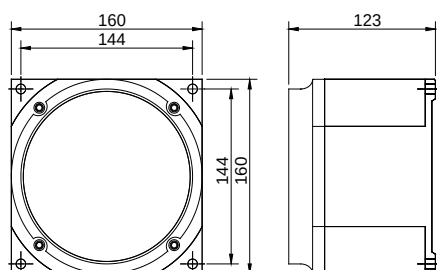
MAIN FEATURE

Certification : Ex db IIC T6/T5 Gb
Certification No. : IECEx KTL 18.0009X
Ingress protection : IP66
Material : Cast copper free aluminum
Body painting color : Munsell No. 7.5BG 7/2
Cable gland : Customer specification



SUE-CS002

DIMENSIONS(mm)



TECHNICAL SPECIFICATION

Operating voltage : AC220V, AC110V, DC24V
Rating of Terminal Block : Max. Voltage 600V
Operating temperature :
 SUE-CS001 : -40℃ ~ +60℃ (For T6)
 SUE-CS002 : -40℃ ~ +60℃ (For T5),
 SUE-CS002 : -40℃ ~ +45℃ (For T6)

Ex Component Usage

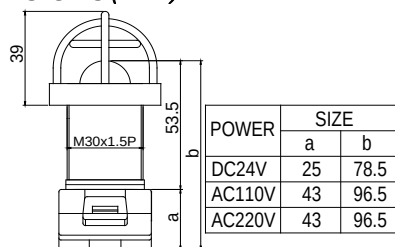
SUE-CS001-xx-xxx : P1 (One Pilot Lamp), B1 (One Push Button), JB (Junction Box)
 SUE-CS002-xx-xxx : P1~P4 (Pilot Lamp Number : 1~4), B1~B4 (Push Button Number : 1~4),
 P*B* (Combined usage of Pilot Lamp and Push Button with total number limited to 4),
 JB (Junction Box)

Pilot Lamp , Push Button SUE-PL001, SUE-PB001



SUE-PL001

DIMENSIONS(mm)



MAIN FEATURE

Certification : Ex db IIC Gb
Certification No. : IECEx KTL 18.0007U
Operating temperature : -40℃ ~ +70℃

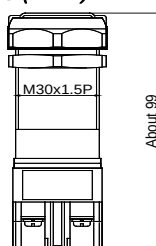
Pilot Lamp SUE-PL001

- **Lens color :** Green, Red, Yellow, Clear
 - **Operating voltage :**
 AC220V (3.1mA 0.68W)
 AC110V (4mA 0.44W)
 DC24V (11mA 0.26W)



SUE-PB001

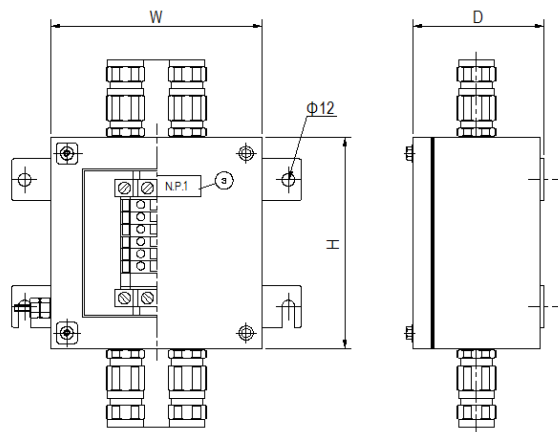
DIMENSIONS(mm)



Push Button SUE-PB001

- **Lens color :** Green, Red, Yellow, Blue
 - **Operating voltage :** AC600V, DC250V 10A

Ex e Type Junction Box & Empty Box SU-JBE, SU-JBU

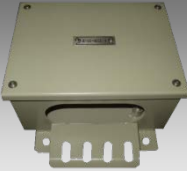


Certification		Ex eb IIC T6 Gb	
Certification No.		Ex e Junction Box IECEx CQM 17.0010X	Empty Box IECEx CQM 17.0011U
Protection degree		IP66	
Material	Body	1.5mm SUS316L Stainless steel	
	Cover	1.5mm SUS316L Stainless steel	
	Gland plate (Option)	3.0mm SUS316L Stainless steel	
Ambient Temperature		$-40^{\circ}\text{C} \leq T_a \leq 40^{\circ}\text{C}$	
Finish		Electrochemical Polished or Painting	

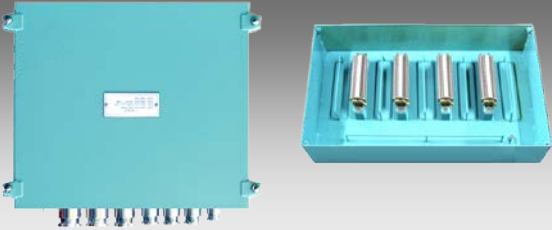
MODEL			DIMENSION					REMARK
			WIDTH	HEIGHT	DEPTH 1	DEPTH 2	DEPTH 3	
SU-JBE-	1500	1501	150	x	150	x	125	
SU-JBE-	2000	2001	200	x	200	x	125 / 165	
SU-JBE-	2500	2501	250	x	250	x	165 / 225	
SU-JBE-	3000	3001	300	x	300	x	165 / 225	
SU-JBE-	3500	3501	350	x	500	x	165 / 225	
SU-JBE-	4000	4001	400	x	400	x	165 / 225	
SU-JBE-	5000	5001	500	x	500	x	165 / 225	
SU-JBE-	5100	5100	510	x	780	x	165 / 225 / 325	
SU-JBE-	6500	6501	650	x	950	x	165 / 225 / 325	
SU-JBE-	8000	8001	800	x	1250	x	165 / 225 / 325	

Ex) SU- JBE - 150 0 : NON GLAND PALTE TYPE
1 : GLAND PLATE TYPE

Normal Type Small Junction Box

			
Small Junction Box - Model No : JB-051/2/3 - Material : Cast brass - Protection : IP56	Small Junction Box - Model No : JB-002A JB-003A - Material : Cast brass - Protection : IP56	Small Junction Box - Model No : JB-002 - Material : ABS - Protection : IP56 - Size : 115 x 100 x 70 - TB : Shark type (Spring-cage)	Small Junction Box - Model No : JB-003 - Material : RESIN - Protection : IP67 - Size : 115 x 115 x 80 - TB : Shark type (Spring-cage)
			
Small Junction Box - Model No : JB-451/2 - Material : Sheet steel - Protection : IP23 - Size : 130 x 90 x 80 190 x 140 x 100	Small Junction Box - Model No : JB-401/2 - Material : Sheet steel - Protection : IP23 - Size : 150 x 170 x 75 150 x 240 x 75	Small Junction Box - Model No : JB-201/2 - Material : Sheet steel or Stainless steel - Protection : IP44 - Size : 140 x 100 x 80 200 x 150 x 100	Small Junction Box - Model No : JB-701 - Material : Sheet steel or Stainless steel - Protection : IP66 - Size : 150 x 150 x 100

Normal Type Mult. Junction Box

	
Non-Water tight type Main Junction Box - Model No. : JBN TYPE - Material : Sheet steel - Protection : IP23 - TB : Shark type (Spring-cage)	Water tight type Main Junction Box - Model No. : JBW TYPE - Material : Sheet steel or Stainless steel - Protection : IP44 & IP56 - TB : Shark type (Spring-cage)