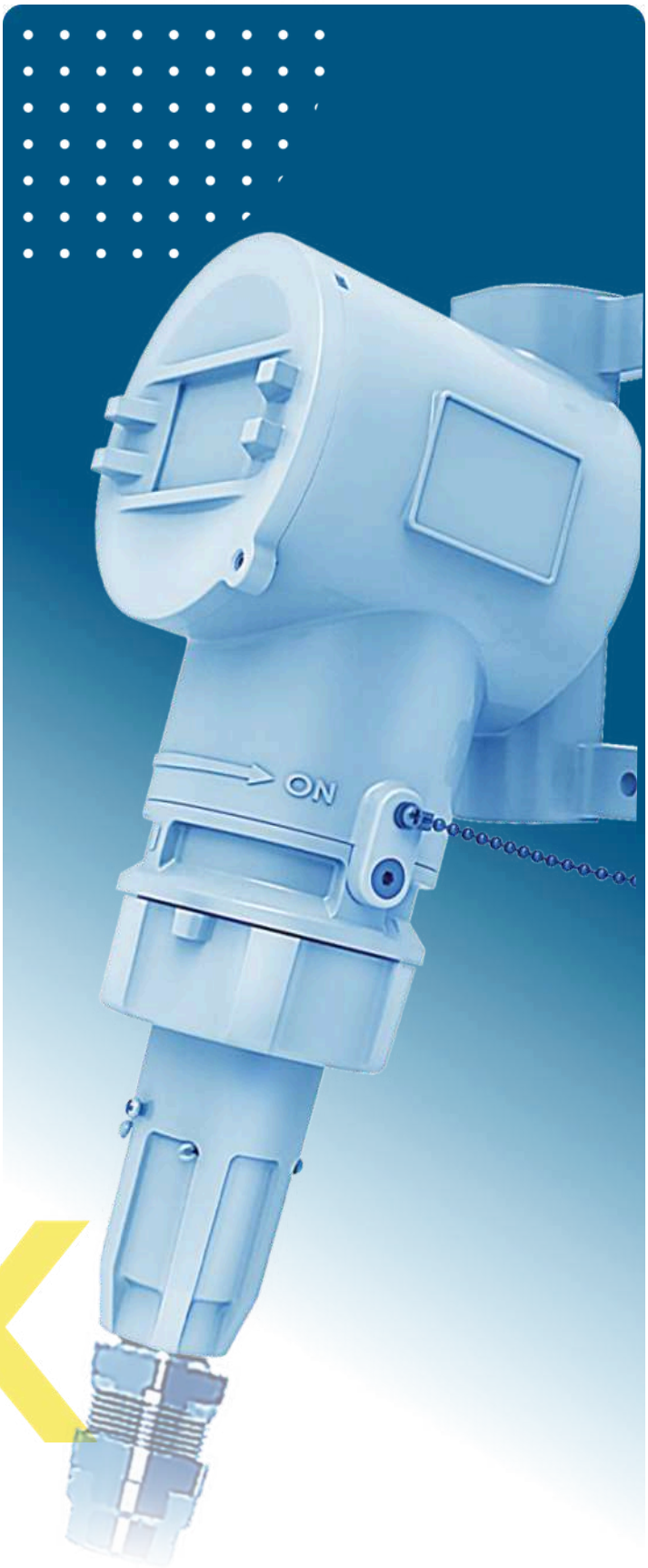
SANCTITY

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EXPLOSION-PROOF ELECTRICAL EQUIPMENT

| C A T A L O G |



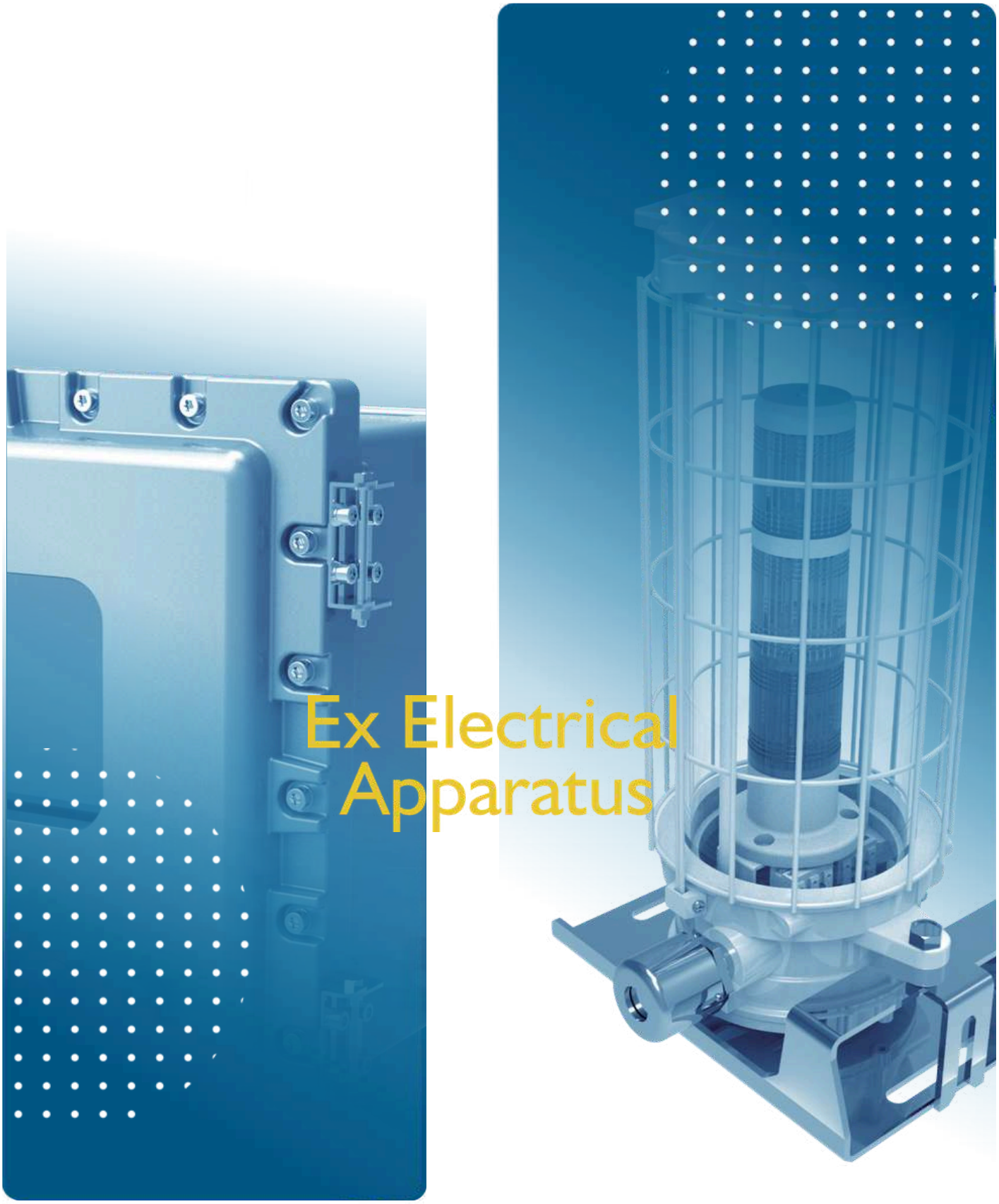


EX

SanTzuoo Co., Ltd. wish our society safe and harmony.
We design and produce reliable explosion-proof apparatuses.
To enhance and to insure safety of the environment.

FM APPROVED IECEx

ver 26.1 (EN)



Ex Electrical Apparatus

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SANCTITY

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VISION

We strive to become synonymous with industrial safety, bringing Taiwan's top-tier explosion-proof technology to the global stage, and providing the most reliable protection for high-risk industries worldwide.

MISSION

"SANCTITY" signifies that safety is a sacred mission. We are committed to providing enterprises with explosion-proof products and consulting services that meet international standards - ensuring every hardworking employee can

"WORK WITH PEACE OF MIND AND RETURN HOME SAFELY."



CATALOG

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	1-2	EX E FLUORESCENT LIGHTING - SEFT01
	1-3	EX E RECESSED FLUORESCENT LIGHTING - SELR
	1-4	EX NR LED TUBE BATTEN LIGHTING - SNLF
	1-5	EX NR LED PANEL BATTEN LIGHTING - SNLF
	2-1~3	EX D LED HIGH BAY LIGHTING - SDLW
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	2-6	EX NR LED LIGHTING - SNLW
	3-1	EX E ENERGY-SAVING LIGHTING - SELB03, SNLB03
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	3-4	EX D MULTILAYER SIGNAL TOWER LIGHT - SDLB
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	7-4	EX D FIRE WARNING SYSTEM - SDEF
	7-5	EX D HORN SPEAKER - SDEB, SDES
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	7-6	FIRE PROTECTION & CONTROLLER PRODUCTS
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	8-2	EX D STATIC GROUNDING SYSTEM - SDEE
		STATIC GROUNDING CLAMP - SGEE
	8-3	EX-PROOF BLOWER, CLEANROOM DUST SYSTEM;
		COOLER, BLUETOOTH EX VIBRATION & TEMP SENSOR
EX-PROOF CONSTRUC-TION MATERIALS	9-1	CONTROLLERS & CONSTRUCTION MATERIALS
	9-2	EXPLOSION-PROOF JUNCTION BOX - SDEJ
		EXPLOSION-PROOF CABLE GLAND - SDC
	9-3~5	EXPLOSION-PROOF CONDUIT BODY - SEAO
	9-5	SEALING FITTING - SDAS & JUNCTION BOXES
	9-6	EX-PROOF ADAPTERS, REDUCERS & PLUGS
WIRELESS COMMUNI-CATION	10-1	WIRELESS COMMUNICATION SYSTEM
	10-2	WIRELESS DEVICE SYSTEM
DETECTION & ALARM	10-3	EX-PROOF OXYGEN AND TOXIC GAS DETECTORS
	10-4	EX-PROOF FLAMMABLE GAS DETECTORS
	10-5	EX-PROOF BEACON SOUNDER

SANCTITY
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Established in 1975, SanTzuoo Co., Ltd. (Sanctity) specializes in the design and manufacture of industrial heaters, heat pipe, explosion-proof lighting, and comprehensive explosion-proof equipment.

With a strong commitment to quality and continuous innovation, we manage every stage of production -from design and R&D to manufacturing - to ensure exceptional product performance. Our products are certified by leading testing and certification organizations, including Bureau of Standards, Metrology and Inspection, Ministry of Economic Affairs (BSMI), Industrial Technology Research Institute (ITRI), Taiwan Fire Protection Safety Center Res Foundation (CFS), and China's National Explosion-Proof Inspection Center. We are committed to global compliance with ongoing ATEX, IECEx, and CSA certification applications.













COMPANY INTRODUCTION

I. BASIC KNOWLEDGE OF EXPLOSIVE ATMOSPHERES

Certification Mark Description

	CATEGORY	CNS STANDARD	~ IEC STANDARD
Regional Division	Hazardous area (Gas)	CNS 3376-10/C 1038-10	IEC 60079-10-1
	Hazardous area (Dust)	CNS 3376-10-2/C 1038-10-2	IEC 60079-10-2
Installation & Maintenance	Install, select & setup	CNS 3376-14/C 1038-14	IEC 60079-14
	Inspect and maintain	CNS 3376-17/C 1038-17	IEC 60079-17
	Repair, overhaul & remanufacture	CNS 3376-19/C 1038-19	IEC 60079-19



PROTECTION TYPES

	TYPES	CNS STANDARD	~ IEC STANDARD
Gas Environment	General requirement	CNS 3376-0/C 1038-0	IEC60079-0
	Flameproof "d"	CNS3376-1/C1038-1	IEC60079-1
	Pressurized "p"	CNS3376-2/C1038-2	IEC60079-2
	Powder filling "q"	CNS3376-5/C1038-5	IEC60079-5
	Oil immersion "o"	CNS3376-6/C1038-6	IEC60079-6
	Increased safety "e"	CNS3376-7/C1038-7	IEC60079-7
	Intrinsic safety "i"	CNS3376-11/C1038-11	IEC60079-11
	Type of protection "n"	CNS3376-15/C1038-15	IEC60079-15
	Encapsulation "m"	CNS3376-18/C1038-18	IEC60079-18
Dust Environment	Dust - General rules	CNS15591-0/C4528-0	IEC61241-0
	Dust enclosure "tD"	CNS15591-1/C4528-1	IEC61241-1
	Dust enclosure "t"	-	IEC60079-31
	Protection type "pD"	CNS15591-4/C4528-4	IEC61241-4

GAS EQUIPMENT GROUPS

GAS GROUP	REPRESENTA-TIVE GAS	MAXIMUM EXPERIMENTAL SAFE GAP	MINIMUM IGNITING CURRENT
I	Methane	-	-
IIA	Propane	MESG≥0.9mm	MIC>0.8
IIB	Ethylene	0.5mm<MESG<0.9mm	0.45≤MIC≤0.8
IIC	Hydrogen / Acetylene	MESG≤0.5mm	MIC<0.45

DUST EQUIPMENT GROUPS

DUST GROUP	DESCRIPTION
IIIA	Combustible flyings, e.g. solid particles/fibres, nominal size > 500μm
IIIB	Non-conductive dust, resistivity > 10^3 Ωm
IIIC	Conductive dust, resistivity ≤ 10^3 Ωm

TEMPERATURE CLASSES

GROUP II

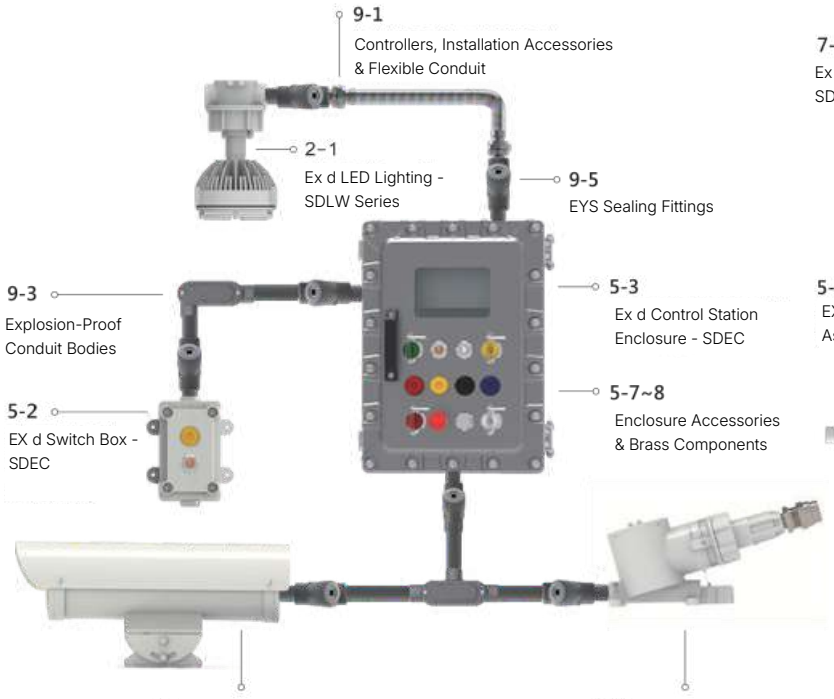
TEMPERATURE CLASS	MAX SURFACE TEMPERATURE	NOTE
T1	450°C	For Group III (dust) equipment, the actual max surface temperature is marked directly, e.g. T100°C, Or specify the highest surface temperature of dust with a known thickness, e.g. T500 320°C.
T2	300°C	
T3	200°C	
T4	135°C	
T5	100°C	
T6	85°C	

HAZARDOUS AREA CLASSIFICATION & EPL

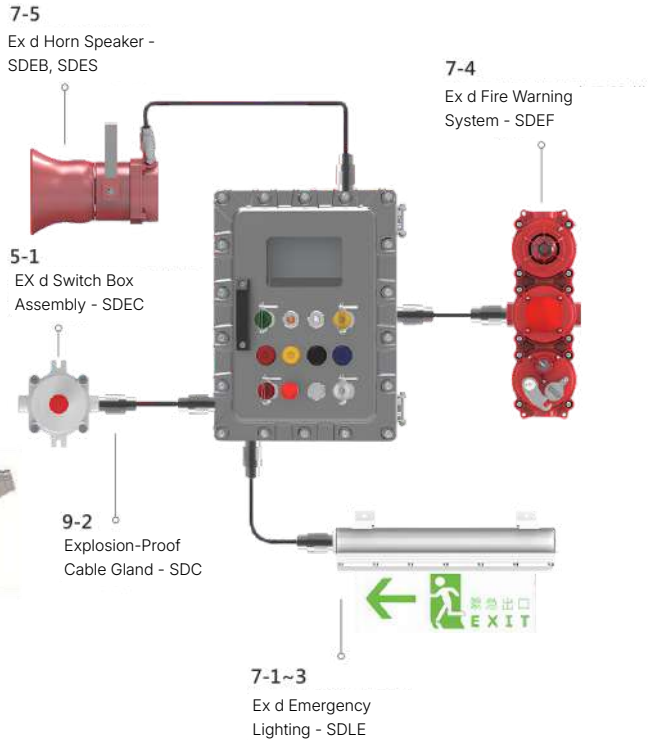
EXPLOSIVE ATMOSPHERE	GAS ENVIRONMENT			DUST	
	GROUP I	GROUP II		GROUP III	
	(EPL)	ZONE	(EPL)	ZONE	(EPL)
Mining	Ma	-	-	-	-
	Mb	-	-	-	-
Continuously/long-period present	-	Zone 0	Ga	Zone 20	Da
Likely in normal operation	-	Zone 1	Gb	Zone 21	Db
Unlikely/only briefly in normal operation	-	Zone 2	Gc	Zone 22	Dc

II. WIRING SYSTEM INSTALLATION & PRECAUTIONS FOR EX ELECTRICAL EQUIPMENT

1. Explosion-proof wiring systems are divided into two main categories: Conduit Systems and Cable Systems. At the entry and exit points of explosion-proof electrical equipment, enclosures, outlet bodies, and junction boxes, thread engagement, sealing fittings, or cable glands are utilized to provide isolation protection, thereby preventing the ingress of explosive gases or vapors into other parts of the system.



CONDUIT SYSTEMS (NEC)



CABLE SYSTEMS (IEC/CNS)

2. Precautions for Ex Electrical Equipment

- Explosion-proof electrical installation personnel must be familiar with the international IEC 60079 series standards, CNS 3376 and the US National Electrical Code (NEC) installation practices to ensure the complete explosion-proof integrity of the wiring system during installation.
- When a conduit system produces sparks under normal operation, in accordance with Article 318-35 of the Taiwan's Electricity Demand Equipment Installation Rules (equivalent with IEC 60079-14), a sealing fitting filled with appropriate explosion-proof compound (sealing compound/fiber) shall be installed within 5 cm (50 mm) of the explosion-proof enclosure.
- Conduit systems and sealing fittings shall be equipped with appropriate drain devices to ensure that condensed moisture can be safely drained.

3. Applicable Installation Locations

Suitable for hazardous and special environment locations subject to flammable, salt mist, corrosive, or explosive conditions, such as petroleum refineries, gas stations, LPG refilling stations, wastewater treatment plants, thermal power plants, mines, semiconductor wafer fabs, biotech facilities, chemical plants, and offshore/maritime areas.

EX D FLUORESCENT LIGHTING - SDFT10

Ceiling Mount (2ft x 1 Tube)



Ceiling Mount (4ft x 2 Tube)



MATERIAL

Body Material: Die-cast aluminium alloy, powder-coated; Passed 1,000-hr salt-spray test.

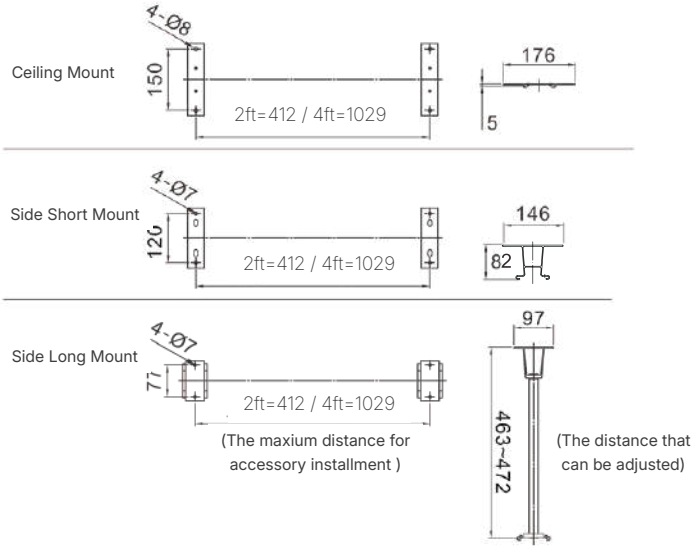
Lens Guard: Tempered-glass cover, Corrosion-resistant baked-paint guard net.

SPECIFICATIONS

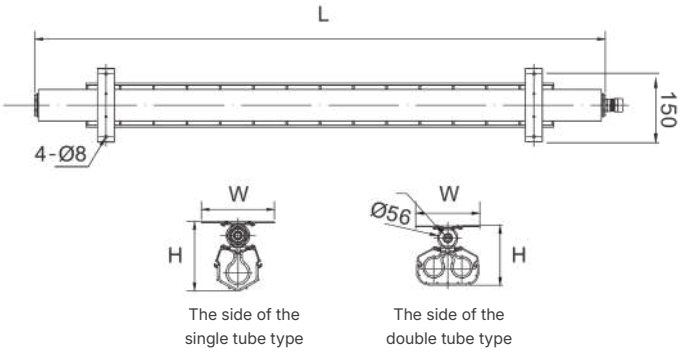
- **IP Rating** : IP66
- **Rated Frequency** : 50/60 Hz
- **Ballast** : High-power electronic ballast PF>0.98
- **Operating Temperature** : -20~+60°C
- **Light Color** : White / Yellow
- **Installation method** : Ceiling /short-pipe / long-pipe mount
- **Entry Position** : Side wiring
- **Entry Hole** : $^{3}/_{4}$" NPT
- **Ex-proof Certification** :

Note: Must be installed with explosion-proof accessories (Refer to P.9-1 – P.9-5)

Accessories Dimensions



Ceiling Mount



Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

Model No.	Explosion-proof Rating	Voltage	Light Source	Dimension (mm)			Weight (Kg)
				L	W	H	
SDFT10-01FD15-01	Ex d IIB+H_2 T6 Gb, Ex tb IIIC T85°C Db	AC120/220V	T5 14Wx1	755	176	166	4
SDFT10-01FD25-01			T5 14Wx2			163	4.5
SDFT10-01FB15-01		AC100~240V	T5 28Wx1	1372		166	6.5
SDFT10-01FB25-01			T5 28Wx2			163	8
SDFT10-01FB17-01		AC277V	T5 28Wx1			166	6.5
SDFT10-01FB27-01			T5 28Wx2			163	8
SDFT10-01LX15-01		AC100~277V	LED 9Wx1	755		166	4
SDFT10-01LX25-01			LED 9Wx2			163	4.5
SDFT10-01LT15-01		AC100~240V	LED 12Wx1	1372		166	7.5
SDFT10-01LT25-01			LED 12Wx2			163	8
SDFT10-01LD15-01		AC100~240V	LED 20Wx1			166	7.5
SDFT10-01LD25-01			LED 20Wx2			163	8
SDFT10-01LE15-01		AC100~277V	LED 18Wx1			166	7.5
SDFT10-01LE25-01			LED 18Wx2			163	8

1-2 EX E FLUORESCENT LIGHTING - SEFT01

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Ceiling Mount (4ft x 1 Tube)



Ceiling Mount (4ft x 2 Tube)



MATERIAL

Body Material: Die-cast aluminium alloy, powder-coated; Passed 1,000-hr salt-spray test.

Lens Guard: Tempered-glass cover, Corrosion-resistant baked-paint guard net.

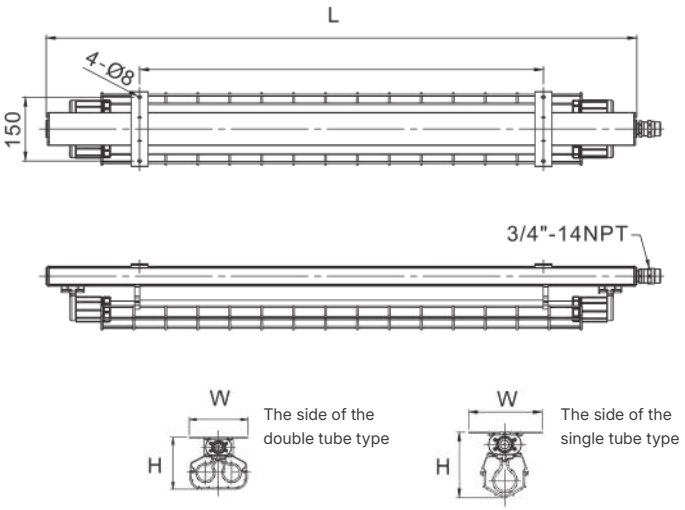
SPECIFICATIONS

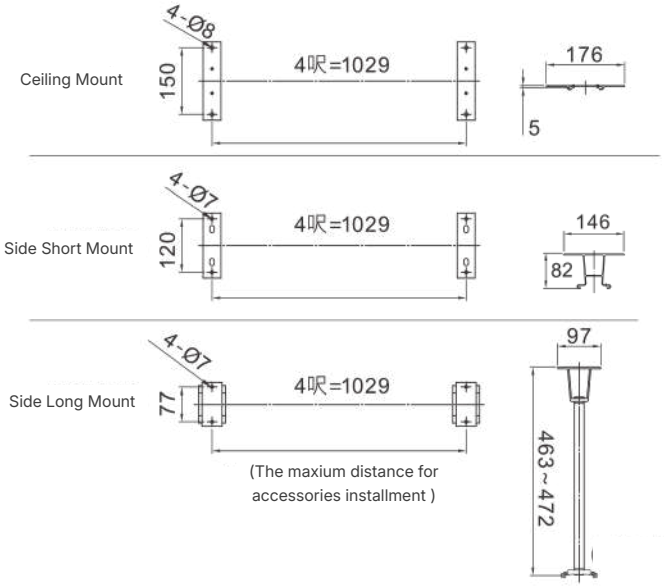
- **IP Rating** : IP66
- **Rated Frequency** : 50/60 Hz
- **Ballast** : High-power electronic ballast PF>0.98
- **Operating Temperature** : -20~+60°C
- **Light Color** : White / Yellow
- **Installation method** : Ceiling /short-pipe / long-pipe mount
- **Entry Position** : Side wiring
- **Entry Hole** : $^{3}/_{4}$" NPT
- **Ex-proof Certification** :

Note: Must be installed with explosion-proof accessories (Refer to P.9-1 – P.9-5)

Accessories Dimensions

Ceiling Mount





Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

Model No.	Explosion-proof Rating	Voltage	Light Source	Dimension (mm)			Weight (Kg)
				L	W	H	
SEFT01-01FB15-01	Ex d ec IIB+H_2 T4 Gc, Ex tb IIIC T85°C Db	AC110~220V	T5 28Wx1	1388	176	156	4
SEFT01-01FB25-01			T5 28Wx2			156	5.6
SEFT01-01FB17-01		AC277V	T5 28Wx1			156	4
SEFT01-01FB27-01			T5 28Wx2			156	5.6

EX E RECESSED FLUORESCENT LIGHTING - SELR 1-3

Wide Recessed Fluorescent Light + Trim Plate



Narrow Recessed Fluorescent Light + Trim Plate



MATERIAL

Body Material: Die-cast aluminium alloy, powder-coated; Passed 1,000-hr salt-spray test.

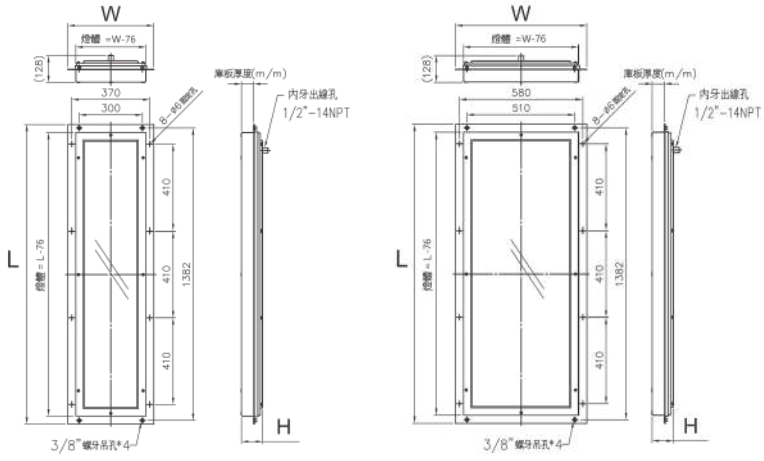
Lens Guard: Tempered-glass cover

SPECIFICATIONS

- **IP Rating** : IP66
- **Rated Frequency** : 60 Hz
- **Operating Temperature** : -20~+40°C
- **Light Color** : White / Yellow
- **Installation method** : Recessed
- **Entry Hole** : $^1/_2$" NPT
- **Ex-proof Certification** :

Note: Must be installed with explosion-proof accessories (Refer to P.9-1 – P.9-5)

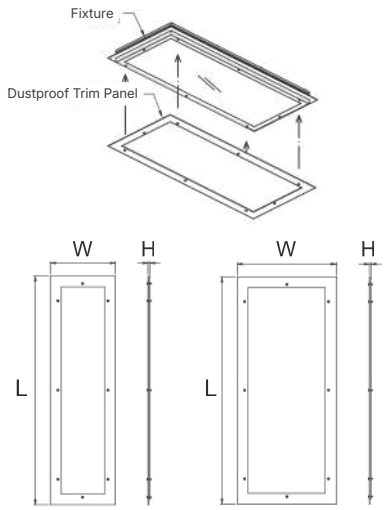
Recessed Method



Narrow Model

Wide Model

Dustproof Trim Panel Dimension



Trim Pannel of Narrow Model

Trim Pannel of Wide Model

Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

Model No.	Ex Rating	Voltage	Light Source	Opening Method	Dimension (mm)			Weight (Kg)
					L	W	H	
SELR-FL8-ALL0166-W0	Ex e IIC T5 Gc, Ex tb IIIC T85°C Db	AC100~277V	LED 16Wx6	Front-opening Wide version	1416	618	99	18
SELR-FL8-ALL0164-W0			LED 16Wx4					
SELR-FL8-ALL0162-W0			LED 16Wx2					
SELR-BL8-ALL0166-W0			LED 16Wx6	Back-opening Wide version			101	
SELR-BL8-ALL0164-W0			LED 16Wx4					
SELR-BL8-ALL0162-W0			LED 16Wx2					
SELR-FL8-ALL0163-N0			LED 16Wx3	Front-opening Narrow version		408	99	13
SELR-FL8-ALL0162-N0			LED 16Wx2					
SELR-BL8-ALL0163-N0			LED 16Wx3	Back-opening Narrow version			101	
SELR-BL8-ALL0162-N0			LED 16Wx2					
				Dust-proof panel (Wide)	1408	610	10	
				Dust-proof panel (Narrow)		400		

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[4ft] Ex Batten Light - Tube Type (Ceiling Mount) - 3 Tubes



[2ft] Ex Batten Light - Tube Type (Chain Suspended) - 2 Tubes



MATERIAL

Body Material: Stainless steel forming, powder-coated;

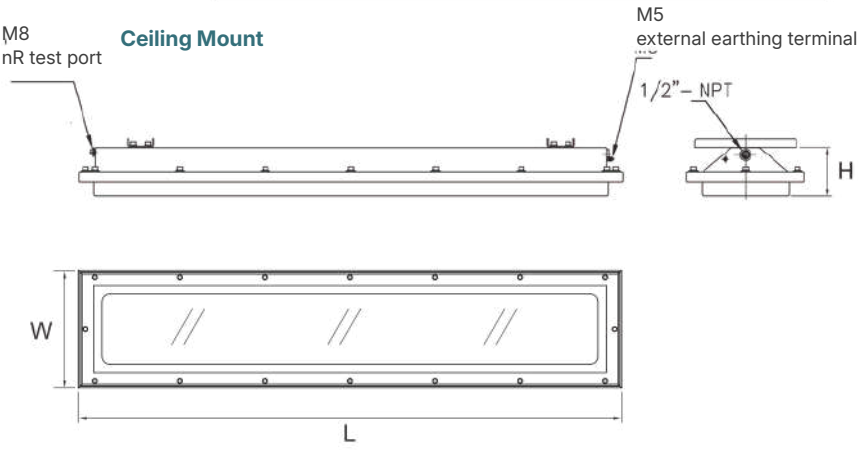
Lens Guard: Tempered-glass cover

SPECIFICATIONS

- **IP Rating** : IP66
- **Rated Frequency** : 60 Hz
- **Operating Temperature** : -20~+40°C
- **Light Color** : White
- **Installation method** : Ceiling / chain-suspended mount
- **Entry Hole** : $^1/_2$" NPT
- **Ex-proof Certification** :

Note: Must be installed with explosion-proof accessories (Refer to P.9-1 – P.9-5)

Ceiling Mount



Ex Batten Light - Tube Type

Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

Model No.	Explosion-proof Rating	Voltage	Light Source	Fixture Length	Dimension (mm)			Weight (Kg)
					L	W	H	
SNLF-CL85-0363ALL-00	Ex nR IIC T6 Gc, Ex tb IIIC T85°C Db	AC100~240V	LED Tube 36Wx3	4ft	1341	290	141	16.4
SNLF-CL85-0362ALL-00			LED Tube 36Wx2		1341	290	141	
SNLF-CL85-0203ALL-00		AC100~240V	LED Tube 20Wx3		1341	290	141	
SNLF-CL85-0202ALL-00			LED Tube 20Wx2		1341	290	141	
SNLF-CL85-0183ALL-00		AC100~277V	LED Tube 18Wx3		1341	290	141	
SNLF-CL85-0182ALL-00			LED Tube 18Wx2		1341	290	141	
SNLF-CL85-0123ALL-00		AC100~240V	LED Tube 12Wx3		1341	290	141	
SNLF-CL85-0122ALL-00			LED Tube 12Wx2		1341	290	141	
SNLF-CL85-0103ALL-00		AC100~277V	LED Tube 10Wx3	2ft	723	290	121	9.5
SNLF-CL85-0102ALL-00			LED Tube 10Wx2		723	290	121	
SNLF-CL85-0083ALL-00		AC100~277V	LED Tube 8Wx3		723	290	121	
SNLF-CL85-0082ALL-00			LED Tube 8Wx2		723	290	121	
SNLF-CL85-0063ALL-00		AC100~240V	LED Tube 6Wx3		723	290	121	
SNLF-CL85-0062ALL-00			LED Tube 6Wx2		723	290	121	

[2ft] Ex Batten Light - Panel Type (Ceiling Mount)



[4ft] Ex Batten Light - Panel Type (Chain Suspended)



MATERIAL

Body Material: Stainless steel forming, powder-coated;

Fixture Cover: Tempered-glass cover

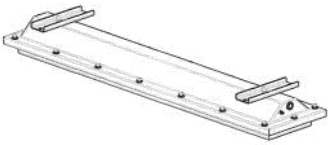
SPECIFICATIONS

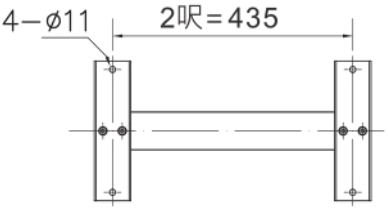
- **IP Rating** : IP66
- **Rated Frequency** : 60 Hz
- **Operating Temperature** : -20~+40°C
- **Light Color** : White / Yellow
- **Installation method** : Ceiling / chain-suspended mount
- **Entry Hole** : $^{1}/_{2}$" NPT
- **Ex-proof Certification** :

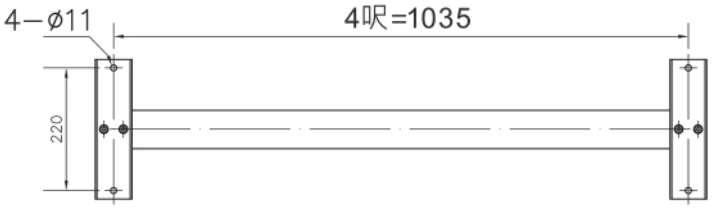
Note: Must be installed with explosion-proof accessories (Refer to P.9-1 – P.9-5)

Accessories Dimensions

Ceiling Mount (Mount Weight: 0.5kg/set)



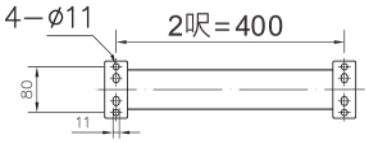




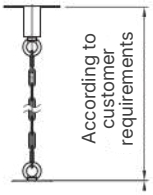


Chain Suspended (Mount Weight: 0.8kg/set)









Ex Batten Light - Panel Type

Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

Model No.	Explosion-proof Rating	Voltage	Light Source	Fixture Length	Dimension (mm)			Weight (Kg)
					L	W	H	
SNLF-CLD5-0106A22-00	Ex nR IIC T6 Gc, Ex tb IIIC T85°C Db	AC 220V	LED Panel 10Wx6	4ft	1341	290	141	16.4
SNLF-CLD5-0104A22-00			LED Panel 10Wx4		1341	290	141	
SNLF-CLD5-0102A22-00			LED Panel 10Wx2	2ft	723	290	121	9.5

2-1 EX D LED HIGH BAY LIGHTING - SDLW

SANCTITY
QUALITY / RELIABLE / FOCUS



MATERIAL

Body Material: Die-cast aluminium alloy, powder-coated; Passed 1,000-hr salt-spray test.

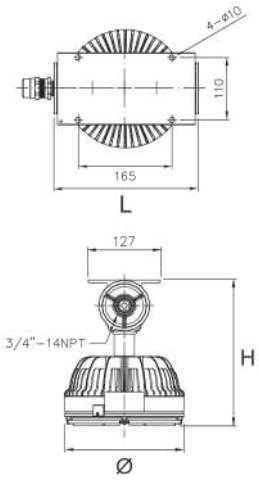
Lens Guard: Tempered-glass cover, Corrosion-resistant baked-paint guard net.

SPECIFICATIONS

- **IP Rating** : IP66
- **Rated Frequency** : 60 Hz
- **Operating Temperature** : -20~+40°C
- **Light Color** : White / Yellow
- **Installation method** : Ceiling mount / adjustable mount
- **Entry Hole** : $^{3}/_{4}$" NPT
- **Ex-proof Certification** :

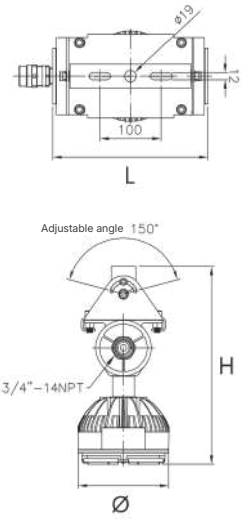
Note: Must be installed with explosion-proof accessories (Refer to P.9-1 – P.9-5)

Ceiling Mount



Ø	L	H	Weight (Kg)
147	252	235	4.5
208	362	267	6.8

Adjustable Mount



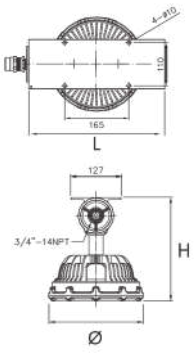
Ø	L	H	Weight (Kg)
147	252	322	6
208	362	354	8.2

Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

Model No.	Explosion-proof Rating	Voltage	Light Power	Luminaire Type	Ø
SDLW-0LD-0301ALL00	Ex e IIC T6 Gb, Ex tb IIIC T85°C Db	AC100~240/277/380/460V	30W	SMT	147
SDLW-0LD-0601ALL00	Ex e IIC T5 Gb, Ex tb IIIC T100°C Db		60W		
SDLW-0LD-0811ALL00	Ex e IIC T4 Gb, Ex tb IIIC T110°C Db		80W		
SDLW-0LD-0611ALL00	Ex e IIB+H_2 T6 Gb, Ex tb IIIC T85°C Db	AC90~305/380/460V	60W		208
SDLW-0LD-0801ALL00			80W		
SDLW-0LD-1001ALL00			100W		
SDLW-0LD-1201ALL00			120W		



Ceiling Mount



Ø	L	H	Weight (Kg)
181	252	234	5.6
241	362	261	8.7
298		281	11.8

MATERIAL

Body Material: Die-cast aluminium alloy, powder-coated; Passed 1,000-hr salt-spray test.

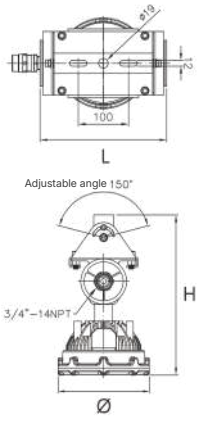
Lens Guard: Tempered-glass cover

SPECIFICATIONS

- **IP Rating** : IP66
- **Rated Frequency** : 60 Hz
- **Operating Temperature** : -20~+40°C/60°C
- **Light Color** : White / Yellow
- **Installation method** : Ceiling/adjustable/vertical/junction-box mount
- **Entry Hole** : $^{3}/_{4}$" NPT
- **Ex-proof Certification** :

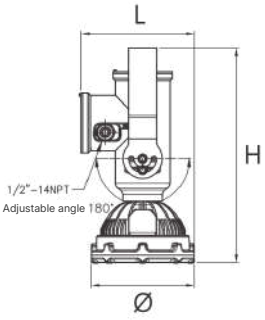
Note: Must be installed with explosion-proof accessories (Refer to P.9-1 – P.9-5)

Adjustable Mount



Ø	L	H	Weight (Kg)
181	252	320	7.2
241	362	348	10.2
298		368	13.3

Vertical Mount



Type	Ø	L	H	Weight (Kg)
Short Pipe	181	198.5	377.5	4.7
Short Pipe	241	228.5	385	6.7
Long Pipe			455	7.1
Long Pipe	298	257	474	10.2

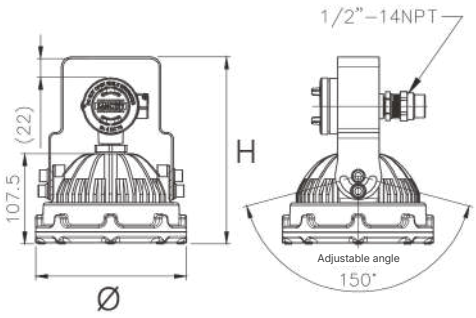
Ex d IIB+ T6 Gb, Ex tb IIIC T85°C Db

Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

Model No.	Explosion-proof Rating	Voltage	Light Power	Luminaire Type	Ø
SDLW-0LS5-0301ALL-S3	Ex d IIB+H_2 T6/T4 Gb, Ex tb IIIC T85°C/T115°C Db	AC100~277/380/460V	30W	SMT	181
SDLW-0LS5-0601ALL-S3			60W		
SDLW-0LS5-0801ALL-S3	Ex d IIB+H_2 T5/T4 Gb, Ex tb IIIC T100°C/T120°C Db		80W		
SDLW-0LS5-1001ALL-M3	Ex d IIC T6/T5 Gb, Ex tb IIIC T85°C/T105°C Db	AC100~240/277/380/460V	100W		241
SDLW-0LS5-1201ALL-M3	Ex d IIC T5/T4 Gb, Ex tb IIIC T90°C/T110°C Db		120W		
SDLW-0LS5-1501ALL-M3	Ex d IIC T5/T4 Gb, Ex tb IIIC T100°C/T120°C Db		150W		
SDLW-0LS5-2001ALL-M3	Ex d IIC T4 Gb, Ex tb IIIC T110°C/T130°C Db		200W		
SDLW-0LS5-1501ALL-L3	Ex d IIC T5/T4 Gb, Ex tb IIIC T100°C/T120°C Db	AC110~277/380/460V	150W		298
SDLW-0LS5-1801ALL-L3			180W		
SDLW-0LS5-2001ALL-L3			200W		
SDLW-0LS5-2401ALL-L3			240W		

Junction Box Mount



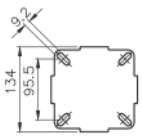


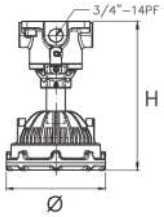
Ø	H	Weight (Kg)
181	223	4.4
241	230	6.4



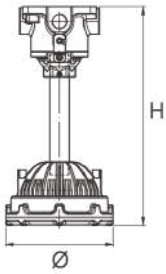




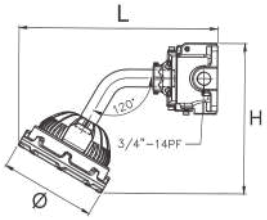




Short Pipe



Long Pipe



Bent Pipe

Type	Ø	L	H	Weight (Kg)
Short Pipe	181		270.5	4.3
Long Pipe			372.5	4.6
Bended Pipe		374	285	4.9
Short Pipe	241		278	6.3
Long Pipe			380	6.6
Bended Pipe		400	303	6.9

Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

Model No.	Explosion-proof Rating	Voltage	Light Power	Luminaire Type	Ø
SDLW-0LD5-0301ALL-S3	Ex d IIB+H_2 T6 Gb、Ex tb IIIC T85℃ Db	AC220V	30W	DOB	181
SDLW-0LD5-0601ALL-S3	Ex d IIB+H_2 T5/T4 Gb、Ex tb IIIC T100℃/T120℃ Db	AC220/460V	60W		
SDLW-0LD5-1001ALL-M3	Ex d IIC T5/T4 Gb、Ex tb IIIC T100℃/T120℃ Db	AC220V	100W		241
SDLW-0LD5-1201ALL-M3	Ex d IIC T4 Gb、Ex tb IIIC T110℃/T130℃ Db		120W		
SDLW-0LD5-1501ALL-M3			150W		

EXPLOSION-PROOF HIGH-INTENSITY DISCHARGE (HID) LIGHTING - SDLB01



MATERIAL

Body Material: Die-cast aluminium alloy, powder-coated; Passed 1,000-hr salt-spray test.

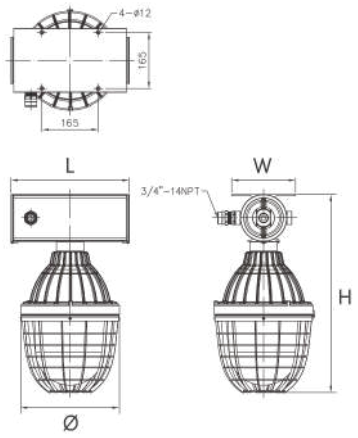
Lens Guard: Tempered-glass cover, Corrosion-resistant baked-paint guard net.

SPECIFICATIONS

- **IP Rating** : IP66
- **Rated Frequency** : 60 Hz
- **Operating Temperature** : -20~+40°C
- **Installation method** : Ceiling-mounted / pendant / wall-mounted
- **Entry Hole** : $^{3}/_{4}$" NPT
- **Lamp Holder Size** : E40
- **Ex-proof Certification** :

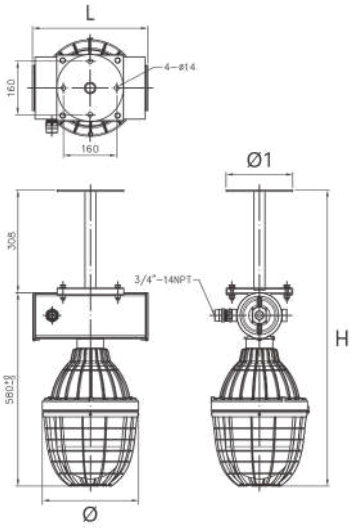
Note: Must be installed with explosion-proof accessories (Refer to P.9-1 – P.9-5)

Ceiling Mount



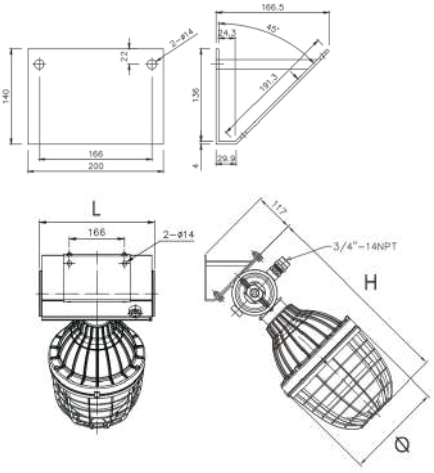
Ø	L	W	H	Weight (Kg)
289	346	187	580	15.5

Pendant



Ø	L	Ø1	H	Weight (Kg)
289	346	200	888	16.5

Wall Mount



Ø	L	H	Weight (Kg)
289	346	580	16

Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

Model No.	Explosion-proof Rating	Voltage	Light Source
SDLB01-01MG22-01	Ex d IIB+H_2 T3 Gb、Ex tb IIIC T165℃ Db	AC 220V	Mercury Lamp 200W
SDLB01-01MF22-01			Mercury Lamp 250W
SDLB01-01ME22-01			Mercury Lamp 300W
SDLB01-01MD22-01			Mercury Lamp 400W
SDLB01-01DK22-01	Ex d IIB+H_2 T3 Gb、Ex tb IIIC T200℃ Db		Metal-Halide Lamp 150W
SDLB01-01DF22-01			Metal-Halide Lamp 250W
SDLB01-01DD22-01			Metal-Halide Lamp 400W
SDLB01-01HF22-01	Ex d IIB+H_2 T4 Gb、Ex tb IIIC T135℃ Db		Sodium Lamp 250W
SDLB01-01HD22-01			Sodium Lamp 400W

2-5 EX E MERCURY VAPOR LIGHTING - SELB01

SANCTITY
QUALITY / RELIABLE / FOCUS



MATERIAL

Body Material: Die-cast aluminium alloy, powder-coated; Passed 1,000-hr salt-spray test.

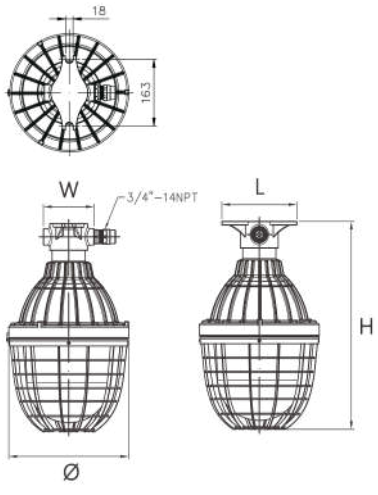
Lens Guard: Tempered-glass cover, Corrosion-resistant baked-paint guard net.

SPECIFICATIONS

- **Rated Frequency** : 60 Hz
- **Operating Temperature** : -20~+40°C
- **Installation method** : Ceiling-mounted / pendant / wall-mounted
- **Entry Hole** : $^{3}/_{4}$" NPT
- **Lamp Holder Size** : E40
- **Ex-proof Certification** :

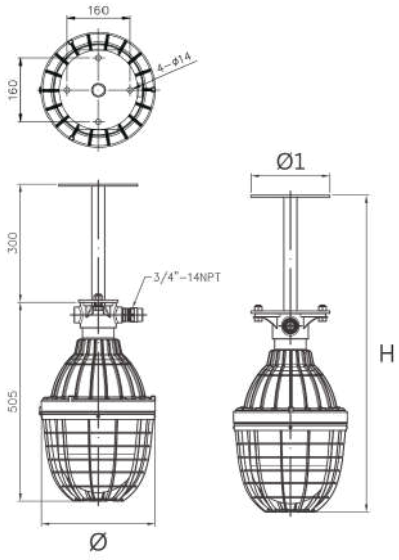
Note: Must be installed with explosion-proof accessories (Refer to P.9-1 – P.9-5)

Ceiling Mount



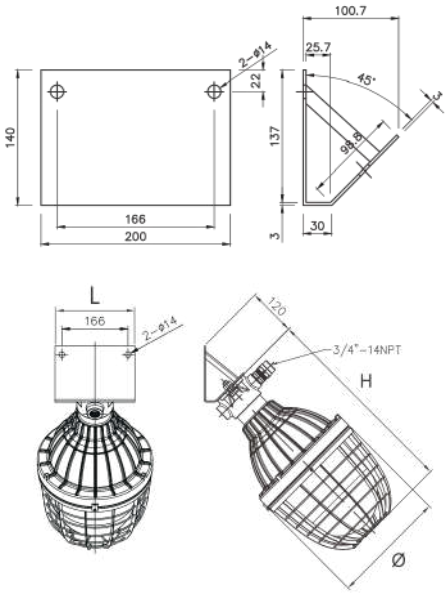
Ø	L	W	H	Weight (Kg)
289	181	122	505	8.6

Pendant



Ø	Ø1	H	Weight (Kg)
289	200	805	9.6

Wall Mount



Ø	L	H	Weight (Kg)
289	200	505	9.1

Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

Model No.	Explosion-proof Rating	Voltage	Light Source	Note
SELB01-06MF12-01	Ex e IIC T1 Gb	AC220V	Mercury Lamp 250W	Ballast-Free
SELB01-06MC12-01			Mercury Lamp 500W	



MATERIAL

Body Material: Die-cast aluminium alloy, powder-coated; Passed 1,000-hr salt-spray test.

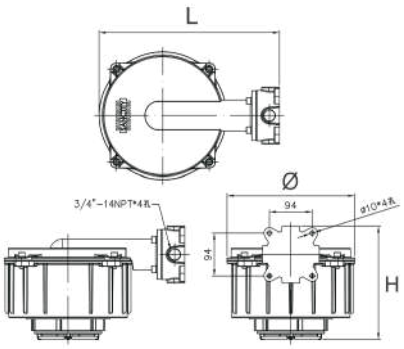
Lens Guard: Tempered-glass cover, Corrosion-resistant baked-paint guard net.

SPECIFICATIONS

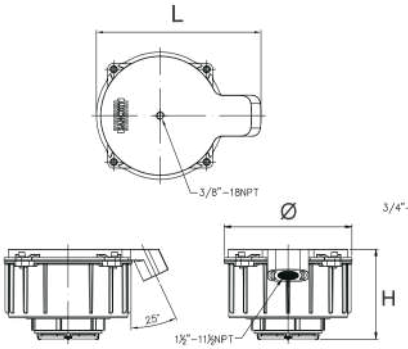
- **IP Rating** : IP66
- **Rated Frequency** : 60 Hz
- **Operating Temperature** : -20~+40°C / +60°C
- **Installation method** : Wall-mounted/pole mounted/ ceiling-mounted/pendant
- **Entry Hole** : $^{3}/_{4}$" NPT / 1" NPT / $1^{1}/_{2}$" NPT
- **Ex-proof Certification** :

Note: Must be installed with explosion-proof accessories (Refer to P.9-1 – P.9-5)

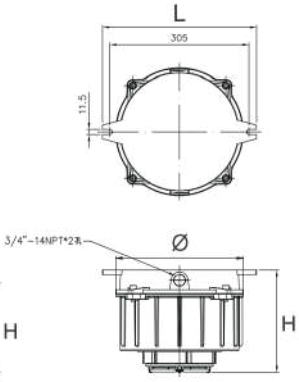
Wall Mount
00



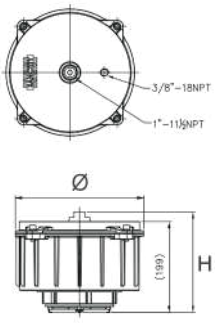
Pole Mount
01



Ceiling Mount
02



Pendant
03



Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

Model No.	Explosion-proof Rating	Voltage	Light Source	Luminaire Type	Dimension (mm)		
					Ø	L	H
SNLW-0LS5-0601ALL-00	Ex d nR IIC T4...T5 Gc、Ex tb IIIC T120℃...T100 ℃ Db	AC100~240V/277V /380V/460V	60W	SMT	280	396	249
SNLW-0LS5-0601ALL-01						360	197
SNLW-0LS5-0601ALL-02						338	225
SNLW-0LS5-0601ALL-03							220

3-1 EX E ENERGY-SAVING LIGHTING - SELB03, SNLB03

SANCTITY
QUALITY / RELIABLE / FOCUS



MATERIAL

Body Material: Die-cast aluminium alloy, powder-coated; Passed 1,000-hr salt-spray test.

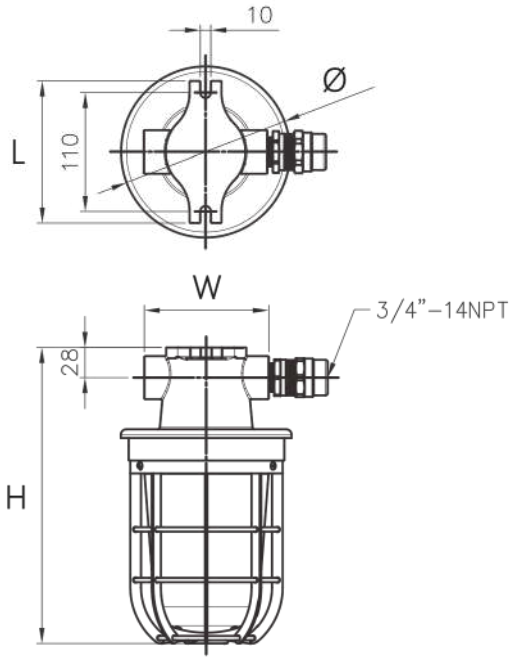
Lens Guard: Tempered-glass cover, Corrosion-resistant baked-paint guard net.

SPECIFICATIONS

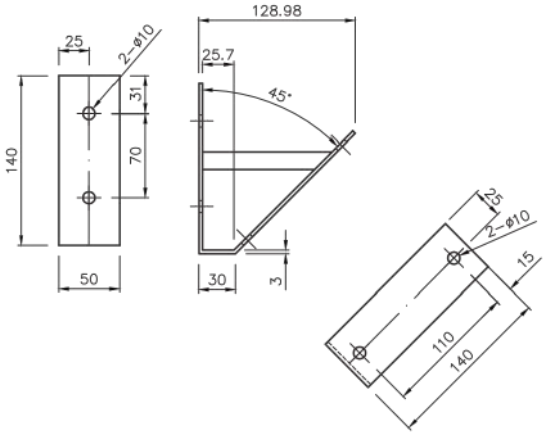
- **IP Rating** : IP66
- **Rated Frequency** : 50/60 Hz
- **Lamp Holder Size** : E27
- **Operating Temperature** : LED -20~+60°C
  Energy-saving lamp -20~+40°C
- **Installation method** : Ceiling-mounted/wall-mounted
- **Entry Hole** : $^{3}/_{4}$" NPT
- **Ex-proof Certification** :

Note: Must be installed with explosion-proof accessories (Refer to P.9-1 – P.9-5)

Ceiling Mount



Wall-mounted 45°



Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

Model No.	Explosion-proof Rating	Voltage	Light Source	Dimension (mm)				Weight (Kg)
				Ø	L	W	H	
SELB03-06LC15-01	Ex ec IIC T3 Gc、Ex tb IIIC T85℃ Db	AC100~220V	LED 10W	159	132	116	275	3.2
SELB03-06LB15-01			LED 12W					
SELB03-06EH11-01	Ex e IIC T3 Gb、Ex tb IIIC T85℃ Db	AC110V	Energy-Saving Tube 23W					
SELB03-06EH12-01		AC220V						
SNLB03-06EM11-01	Ex nR IIC T6 Gc、Ex tb IIIC T85℃ Db	AC110V	Energy-Saving Tube 36W					
SNLB03-06EM12-01		AC220V						

EX D SIGHT GLASS LIGHTING - SDLB04



MATERIAL

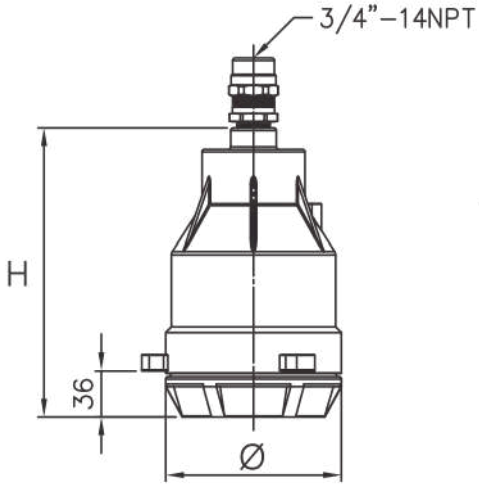
Body Material: Die-cast aluminium alloy, powder-coated; Passed 1,000-hr salt-spray test.

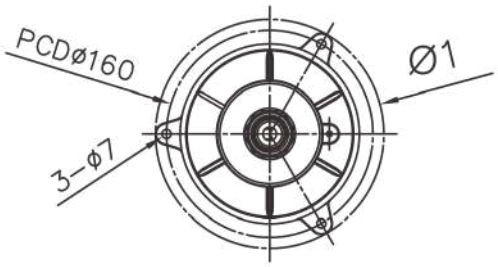
Lens Guard: Tempered-glass cover

SPECIFICATIONS

- **Rated Frequency** : 60 Hz
- **Lamp Holder Size** : E27
- **Operating Temperature** : -20~+40°C
- **Entry Hole** : $^{3}/_{4}$" NPT
- **Ex-proof Certification** :

Note: Must be installed with explosion-proof accessories (Refer to P.9-1 – P.9-5)





Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

Model No.	Explosion-proof Rating	Voltage	Light Source	Dimension (mm)			Weight (Kg)
				H	Ø	Ø1	
SDLB04-11EJ11-01	Ex d IIB T6 Gb	AC110V	Energy-Saving Tube 21W	227	139	177	1.9
SDLB04-11EJ12-01		AC220V					
SDLB04-11EH11-01		AC110V	Energy-Saving Tube 23W				
SDLB04-11EH12-01		AC220V					
SDLB04-11LB15-01		AC100~240V	LED 10W				
SDLB04-11LB14-01		DC24V					
SDLB04-11LA15-01		AC100~240V	LED 12W				

3-3 EX D PORTABLE WORK LIGHTING - SDLB10

SANCTITY
QUALITY / RELIABLE / FOCUS



MATERIAL

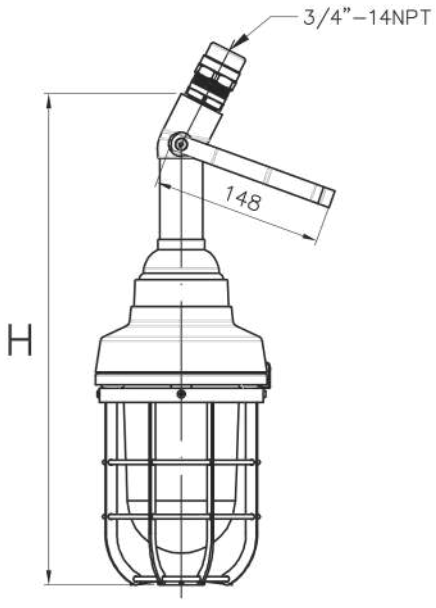
Body Material: Die-cast aluminium alloy, powder-coated; Passed 1,000-hr salt-spray test.

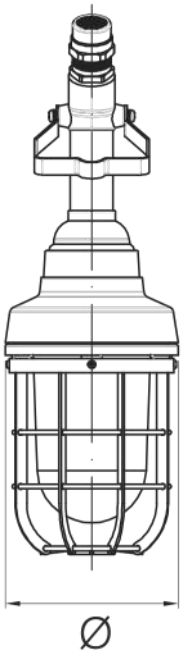
Lens Guard: Tempered-glass cover, Corrosion-resistant baked-paint guard net.

SPECIFICATIONS

- **Rated Frequency** : 60 Hz
- **Lamp Holder Size** : E27
- **Operating Temperature** : -20~+40°C
- **Entry Hole** : $^{3}/_{4}$" NPT
- **Ex-proof Certification** :

Note: Must be installed with explosion-proof accessories (Refer to P.9-1 – P.9-5)





Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

Model No.	Explosion-proof Rating	Voltage	Light Source	Dimension (mm)		Weight (Kg)
				Ø	H	
SDLB10-20EJ11-01	Ex d IIB T6 Gb	AC110V	Energy-Saving Tube 21W	149	425	3.75
SDLB10-20EJ12-01		AC220V				
SDLB10-20EH11-01		AC110V	Energy-Saving Tube 23W			
SDLB10-20EH12-01		AC220V				
SDLB10-20LB1D-01		DC24V	LED 10W			
SDLB10-20LA15-01		AC110~220V	LED 12W			

EX D MULTILAYER SIGNAL TOWER LIGHT - SDLB





MATERIAL

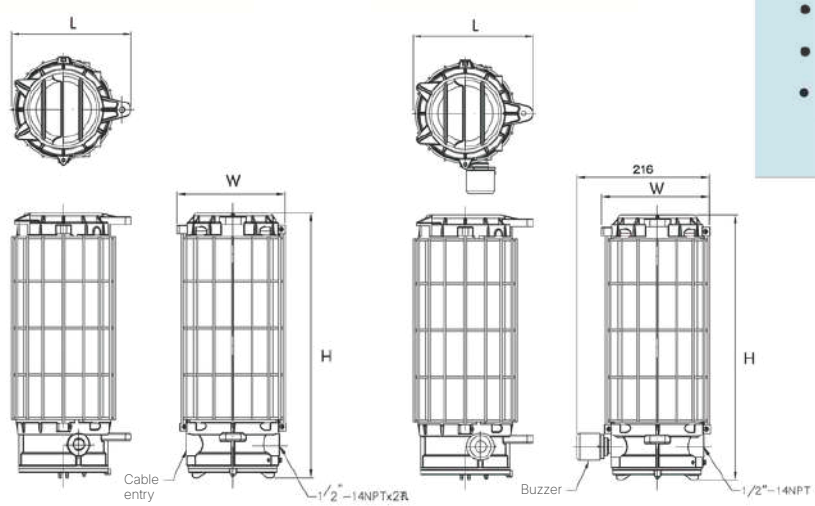
Body Material: Die-cast aluminium alloy, powder-coated; Passed 1,000-hr salt-spray test.

Lens Guard: Tempered-glass cover, Corrosion-resistant baked-paint guard net.

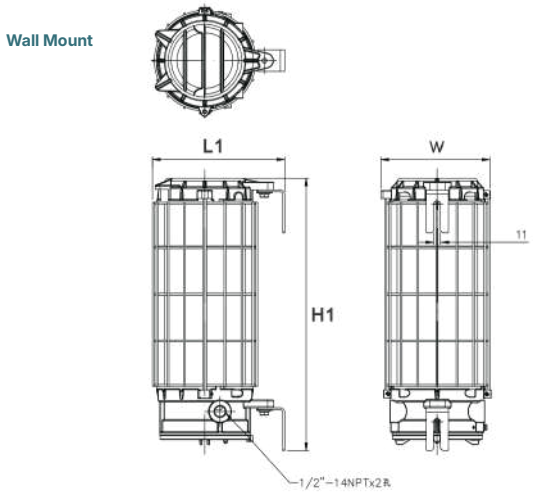
SPECIFICATIONS

- **IP Rating** : IP66
- **Rated Frequency** : 60 Hz
- **Operating Temperature** : -20~+40°C
- **Installation method** : Wall-mounted / floor standing
- **Entry Hole** : $^1/_2$" NPT
- **Light Color** : Red, orange, green
- **Type** : Continuous / flashing (optional)
- **Ex-proof Certification** :

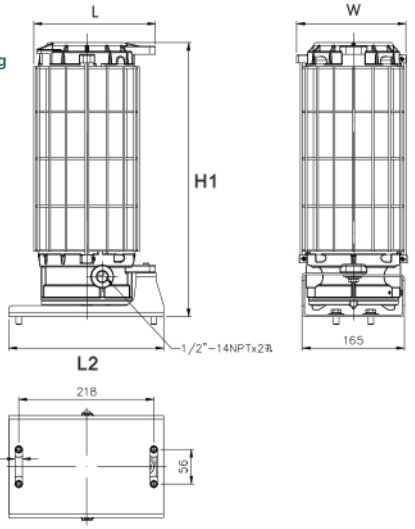
Note: Must be installed with explosion-proof accessories (Refer to P.9-1 – P.9-5)



Wall Mount



Floor Standing



Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

Model No.	Explosion-proof Rating	Voltage	Power	Dimension (mm)						Weight (Kg)
				L	L1	L2	W	H	H1	
SDLB-TLS0-0101D24-00	Ex d IIC T6 Gb、Ex tb IIIC T85°C Db	DC 24V	8W	196	214	250	176	432	443	4.2
SDLB-TLS0-0101A11-00		AC 110V								
SDLB-TLS0-0101A22-00		AC 220V								
SDLB-TLS0-0101D24-0B (with buzzer)		DC 24V	11W							4.6
SDLB-TLS0-0101A11-0B (with buzzer)		AC 110V								
SDLB-TLS0-0101A22-0B (with buzzer)		AC 220V								

4-1 EX FLUORESCENT LIGHTING (UL CERTIFIED)

SANCTITY
QUALITY / RELIABLE / FOCUS

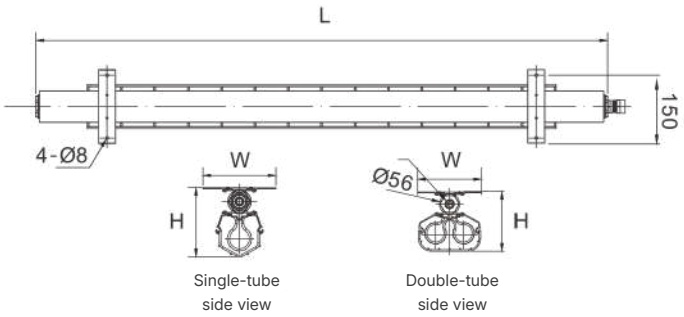


Ceiling Mount (2ft x 1 Tube)



Ceiling Mount
(4ft x 2 Tube)

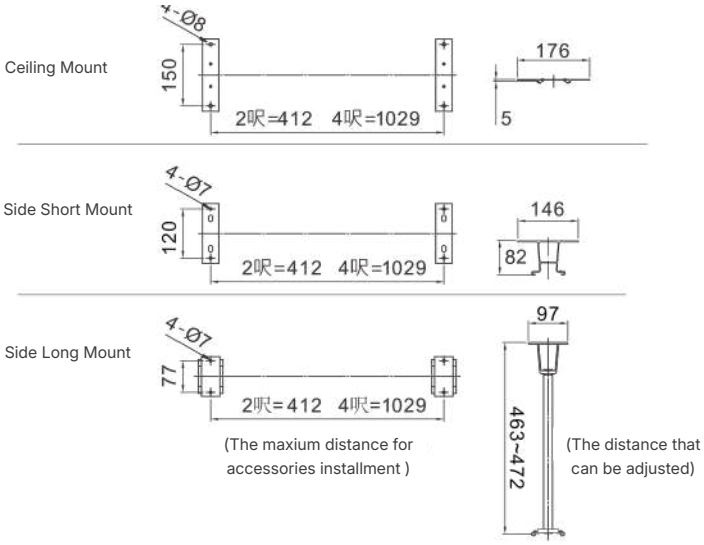
Ceiling Mount



Single-tube side view

Double-tube side view

Accessories Dimensions



(The maxium distance for accessories installment)

(The distance that can be adjusted)

- Explosion-proof Certification:

cULus LISTED

MATERIAL

- **Body Material:** Die-cast aluminium alloy, powder-coated; Passed 1,000-hr salt-spray test.
- **Lens Guard:** Tempered-glass cover, Corrosion-resistant baked-paint guard net

SPECIFICATIONS

- **IP Rating** : IP66
- **Rated Frequency** : 50/60 Hz
- **Ballast** : High-power electronic ballast PF>0.98
- **Operating Temperature** : -20~+60°C
- **Light Color** : White / Yellow
- **Installation Method** : Ceiling /short-pipe / long-pipe mount
- **Entry Position** : Side wiring
- **Entry Hole** : $^{3}/_{4}$" NPT

Note: Must be installed with explosion-proof accessories (Refer to P.9-1 – P.9-5)

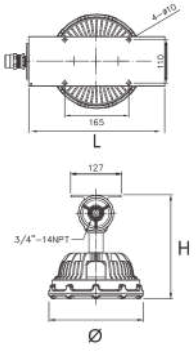
Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

Model No.	Explosion-proof Rating	Voltage	Light Source	Dimension (mm)			Weight (Kg)
				L	W	H	
SDFT10-01LG15-UL	CLASS I, DIVISION 2 GROUPS A, B, C, AND D TEMP. CODE T4A	AC120~277V	LED 10Wx1	755	176	166	4
SDFT10-01LG25-UL			LED 10Wx2			163	4.5
SDFT10-01LD15-UL			LED 20Wx1	1372		166	7.5
SDFT10-01LD25-UL			LED 20Wx2			163	8

EX-PROOF HIGH BAY LIGHTING (UL CERTIFIED) 4-2

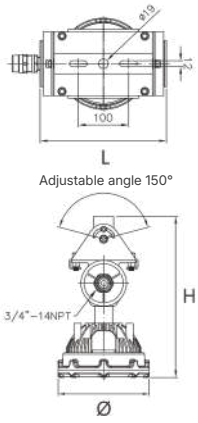


Ceiling Mount



Ø	L	H	Weight (Kg)
241	362	261	8.7

Adjustable Mount



Ø	L	H	Weight (Kg)
241	362	348	10.2

- Explosion-proof Certification:

cULus LISTED

MATERIAL

- **Body Material:** Powder-coated die-cast aluminum; Passed 1,000-hr salt-spray test.
- **Lens Guard:** Tempered-glass cover

Note: Must be installed with explosion-proof accessories (Refer to P.9-1 – P.9-5)

SPECIFICATIONS

- **IP Rating** : IP66
- **Rated Frequency** : 50/60 Hz
- **Operating Temperature** : -20~+40°C
- **Color Temp.** : White / Yellow
- **Installation Method** : Ceiling /short-pipe / long-pipe mount
- **Entry Hole** : $^{3}/_{4}$" NPT

Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

Model No.	Explosion-proof Rating	Light Color	Voltage	Light Power	Luminaire Type	Ø
SDLW-0LS3-0801ALL-UL	CLASS I, Division 2, GROUPS A, B, C, AND D, TEMP. CODE T4A	3000K (Warm White黃光)	AC100~277V	80W	SMT	241
SDLW-0LS3-1001ALL-UL	CLASS I, Division 2, GROUPS A, B, C, AND D, TEMP. CODE T5			100W		
SDLW-0LS3-1201ALL-UL	CLASS I, Division 2, GROUPS A, B, C, AND D, TEMP. CODE T5			120W		
SDLW-0LS3-1501ALL-UL	CLASS I, Division 2, GROUPS A, B, C, AND D, TEMP. CODE T4			150W		
SDLW-0LS3-2001ALL-UL	CLASS I, Division 2, GROUPS A, B, C, AND D, TEMP. CODE T4			200W		
SDLW-0LS5-0801ALL-UL	CLASS I, Division 2, GROUPS A, B, C, AND D, TEMP. CODE T4A	5000K (Daylight White白光)		80W		
SDLW-0LS5-1001ALL-UL	CLASS I, Division 2, GROUPS A, B, C, AND D, TEMP. CODE T5			100W		
SDLW-0LS5-1201ALL-UL	CLASS I, Division 2, GROUPS A, B, C, AND D, TEMP. CODE T5			120W		
SDLW-0LS5-1501ALL-UL	CLASS I, Division 2, GROUPS A, B, C, AND D, TEMP. CODE T4			150W		
SDLW-0LS5-2001ALL-UL	CLASS I, Division 2, GROUPS A, B, C, AND D, TEMP. CODE T4			200W		



Explosion-proof Certification:

ATEX

IECEx TM

MATERIAL

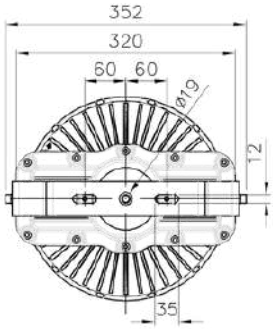
Body Material: Die-cast aluminium alloy, powder-coated; Passed 1,000-hr salt-spray test.

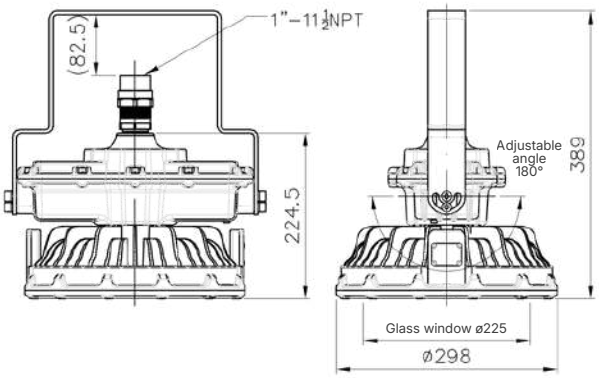
Lens Guard: Tempered-glass cover

SPECIFICATIONS

- **IP Rating** : IP66
- **Rated Frequency** : 60 Hz
- **Operating Temperature** : -20~+40°C
- **Light Color** : Daylight white
- **Certificate Number** : IECEx TPS 23.0034X TPS 23 ATEX 122328 0001 X Rev. 00
- **Standard** : EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-31:2014

Note: Must be installed with explosion-proof accessories (Refer to P.9-1 – P.9-5)





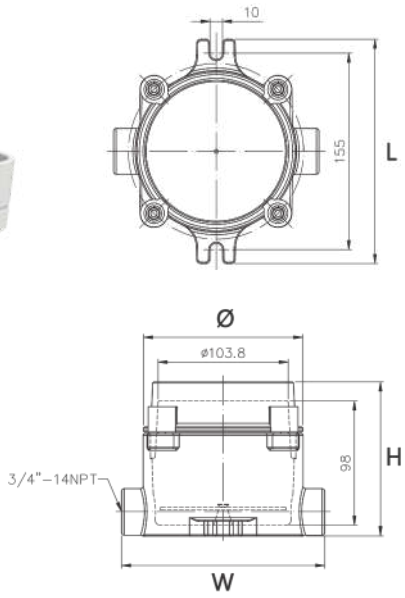
Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

Model No.	Certification	Explosion-proof Rating	Light Color	Voltage	Light Power
SDLW-0LS5-2401ALL-L4	ATEX	II 2G Ex db IIB+H2 T5 Gb	Daylight White	AC 100 - 270V	LED 240W x 1
		II 2D Ex tb IIIC T100°C Db IP66			
	IECEx	Ex db IIB+H2 T5 Gb			
		Ex tb IIIC T100°C Db IP66			
SDLW-0LS5-2001ALL-L4	ATEX	II 2G Ex db IIB+H2 T4 Gb			LED 200W x 1
SDLW-0LS5-2001ALL-M4		II 2D Ex tb IIIC T135°C Db IP66			
SDLW-0LS5-1501ALL-M4	IECEx	Ex db IIB+H2 T4 Gb			LED 150W x 1
SDLW-0LS5-1001ALL-M4		Ex tb IIIC T135°C Db IP66			LED 100W x 1

5-1 EX D SWITCH BOX ASSEMBLY - SDEC, SEB209D-1

SANCTITY
QUALITY / RELIABLE / FOCUS





Reminder: Dimensions are for reference only, actual product measurements shall prevail |
Unit of Measurement: mm

MATERIAL

- **Body Material:** Die-cast aluminium alloy, powder-coated; Passed 1,000-hr salt-spray test.

SPECIFICATIONS

- **IP Rating** : IP66
- **Frequency** : 60 Hz
- **Input Voltage** : AC 15 ~ 240V
- **Rated Current** : 30A
- **Operating Temperature** : -20~+40°C
- **Installation Method** : Wall-mounted
- **Entry Hole** : $^{3}/_{4}$" NPT
- **Ex-proof Certification** :

* Explosion-proof enclosure accessories need to be purchased separately **(Refer to P.5-7 – P.5-8)**
* Must be installed with explosion-proof accessories **(Refer to P.9-1 – P.9-5)**

Model No.	Components Quantity	Explosion-proof Rating	Ø	L	W	H	Weight (Kg)
SDEC-R1ALL-01	2	Ex d IIB+H_2 T6 Gb、Ex tb IIIC T85℃ Db	127	177	162	120	1.5



A : Enclosure Length
B : Enclosure Width
C : Enclosure Height
D : Internal Length
E : Internal Width
F1 : Base Depth / Base to Joint Face
F2 : Cover Depth / Joint Face to Lid
G : Mounting Hole Pitch (Length)
H : Mounting Hole Pitch (Width)
J : Mounting Hole Size

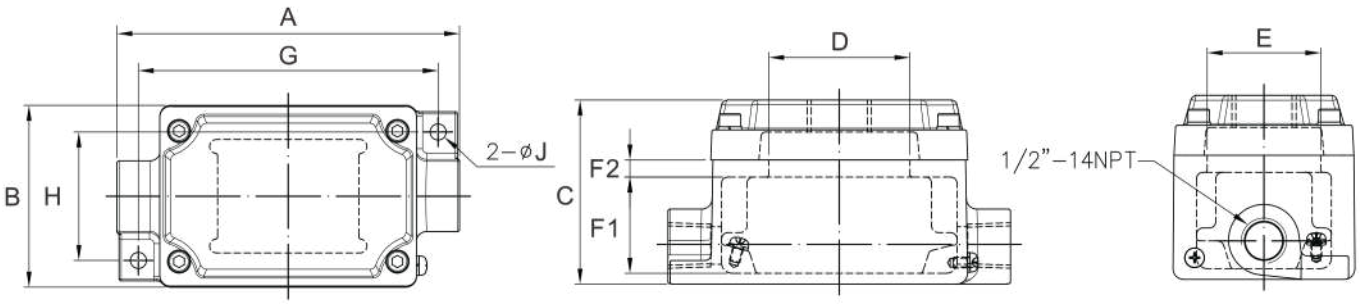
MATERIAL

- **Body Material:** Die-cast aluminium alloy, powder-coated; Passed 1,000-hr salt-spray test.

SPECIFICATIONS

- **Frequency** : 50~60 Hz
- **Input Voltage** : AC 220V
- **Operating Temperature** : -20~+40°C
- **Installation Method** : Wall-mounted
- **Entry Hole** : $^{1}/_{2}$" NPT
- **Ex-proof Certification** :

* Explosion-proof enclosure accessories need to be purchased separately **(Refer to P.5-7 – P.5-8)**
* Must be installed with explosion-proof accessories **(Refer to P.9-1 – P.9-5)**

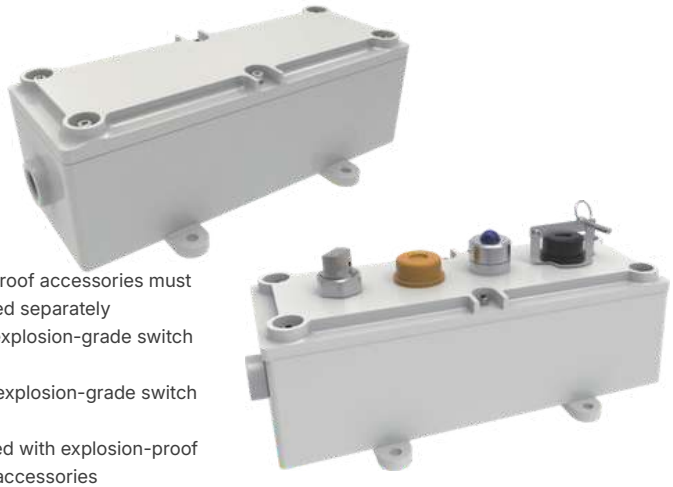


Reminder: Dimensions are for reference only, actual product measurements shall prevail |
Unit of Measurement: mm

Model No.	Components Quantity	Explosion-proof Rating	External Dimension (mm)			Internal Dimension (mm)				Mounting Dimensions (mm)			Weight (Kg)
			A	B	C	D	E	F1	F2	G	H	J	
SEB 209d-1	1	Ex d IIB T4 Gb	160	85	86	66	53	45	8	140	60	Ø7.5	1.2

SANCTITY
QUALITY / RELIABLE / FOCUS

EX D SWITCH BOX - SDEC 5-2



Explosion-proof accessories must be purchased separately

- D: Gas explosion-grade switch box
- T: Dust explosion-grade switch box

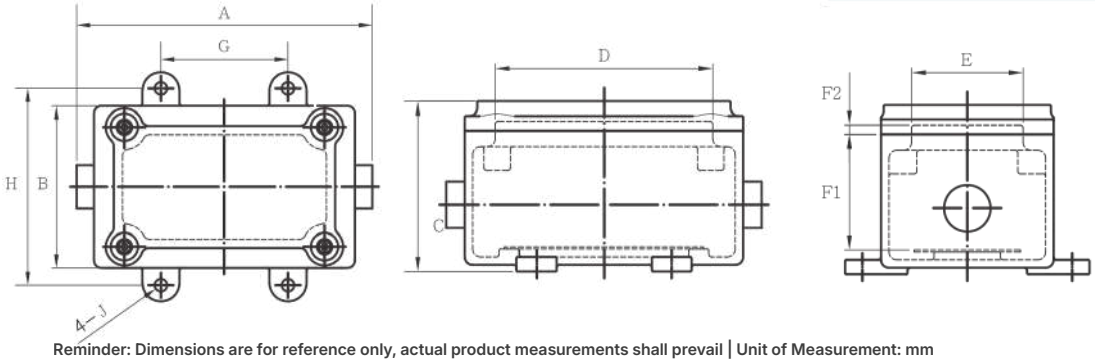
Must be used with explosion-proof installation accessories

MATERIAL

- **Body Material:** Die-cast aluminium alloy, powder-coated; Passed 1,000-hr salt-spray test.

SPECIFICATIONS

- **Frequency** : 60 Hz
- **Input Voltage** : AC 110/220/380/460V
- **Rated Current** : 25A
- **Operating Temperature** : -20~+40°C
- **Installation Method** : Wall-mounted
- **Entry Hole** : $^{3}/_{4}$" NPT
- **Ex-proof Certification** :



A : Enclosure Length
B : Enclosure Width
C : Enclosure Height
D : Internal Length
E : Internal Width
F1 : Base Depth / Base to Joint Face
F2 : Cover Depth / Joint Face to Lid
G : Mounting Hole Pitch (Length)
H : Mounting Hole Pitch (Width)
J : Mounting Hole Size

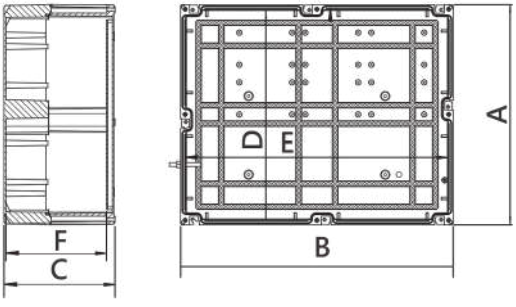
Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

Model No.	Components Qty	Explosion-proof Rating	External Dimension (mm)			Internal Dimension (mm)				Installation Dimension (mm)			Weight (Kg)
			A	B	C	D	E	F1	F2	G	H	J	
SDEC-01ALL-0D(T)	1	(0D) Ex d IIB T6 Gb (0T) Ex tb IIIC T85°C Db	200	130	128	126	84	87	7	85	158	Ø10	3
SDEC-02ALL-0D(T)	2		238			164				102			3.3
SDEC-03ALL-0D(T)	3		287			213				131			4
SDEC-04ALL-0D(T)	4		382			308				176			5.1



Ex e / Ex ia GRP Junction Box - GR.T*

- **Body Material:** Fibreglass-reinforced polyester (GRP) - anti-static, UV- and corrosion-resistant
- **Suitable Locations (IEC Standard):** Zone 1, Zone 2, Zone 21, Zone 22
- **Suitable Locations (North America Standard):** Class I, II, Division 2
- **Protection Type:** Ex eb, Ex ia, Ex tb
- **Features:** High-impact design, easy to install
- Built-in mounting grid for flexible component layout
- **IP Rating**: IP66, 4X
- Foam-silicone sealing with multi-point closure
- **Operating Temperature**: -60~+65°C
- Requires Ex cable gland / flexible conduit.



Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

Model No.	External Dimension (mm)			Internal Dimension (mm)			Weight (Kg)
	A	B	C	D	E	F	
GR*.18.18.10	179	179	104	156	156	81.5	1.35

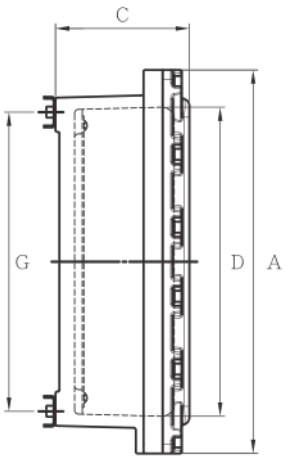
5-3 EX D CONTROL STATION ENCLOSURE - SDEC

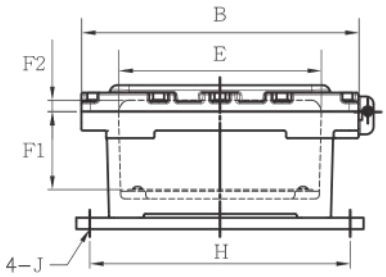
SANCTITY
QUALITY / RELIABLE / FOCUS



A : Enclosure Length
B : Enclosure Width
C : Enclosure Height
D : Internal Length
E : Internal Width
F1 : Base Depth / Base to Joint Face
F2 : Cover Depth / Joint Face to Lid
G : Mounting Hole Pitch (Length)
H : Mounting Hole Pitch (Width)
J : Mounting Hole Size

Base Thickness: 2mm





MATERIAL

- **Body Material:** Die-cast aluminium alloy, powder-coated; Passed 1,000-hr salt-spray test.

SPECIFICATIONS

- **IP Rating** : IP66 (SDEC50-57)
- **Frequency** : 60 Hz
- **Input Voltage** : AC 220/380/440/460/480V
- **Operating Temperature** : SDEC-50~57ALL -20~+60°C
  SDEC-98ALL -20~+40°C
- **Installation Method** : Wall-mounted
- **Standard Paint** : #38 mouse gray
- **Ex-proof Certification** :

* Explosion-proof enclosure accessories need to be purchased separately **(Refer to P.5-7 – P.5-8)**
* 50~56 T4: Equipped with breather drain, T6: without breather drain.
57 T2: Equipped with breather drain, T6: without breather drain.
* Must be installed with explosion-proof accessories
(Refer to P.9-1 – P.9-5)

Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

Model No.	Components Qty	Explosion-proof Rating	External Dimension (mm)			Internal Dimension (mm)				Installation Dimension (mm)			Weight (Kg)
			A	B	C	D	E	F1	F2	G	H	J	
SDEC-98ALL-0D(T)	10	(0D) Ex d IIB T6/T5 Gb (0T) Ex tb IIIC T85°C/T100°C Db	370	193	130	301	124	87	10	180	170	Ø10	8
SDEC-50ALL-01	12	Ex d IIB+H_2 T4/T6 Gb, Ex tb IIIC T85°C Db	380	300	200	285	205	132	19	272	278	Ø15	19
SDEC-51ALL-01	15		480	370	270	370	260	198	15	345	320		34
SDEC-52ALL-01	20		500	360	175	403	263	103	15	390	338		30
SDEC-53ALL-01	24		530	430	300	410	310	208	30	380	405		51.5
SDEC-54ALL-01	30		580	580	340	454	454	241	25	440	555		83
SDEC-55ALL-01	32		680	480	270	554	354	171	25	535	455		75.5
SDEC-56ALL-01	35		680	580	320	554	454	221	25	530	555		95
SDEC-57ALL-01	42	Ex d IIB+H_2 T2/T6 Gb, Ex tb IIIC T85°C Db	870	700	430	725	555	306	43	700	665		193

Rectangular Window Selection (L x W)		Enclosure Model No.							
Window Model No.	Window Dimension (mm)	50	51	52	53	54	55	56	57
W1	L95 x W50	✓	✓	✓	✓	✓	✓	✓	✓
W2	L105 x W75	✓	✓	✓	✓	✓	✓	✓	✓
W3	L120 x W108	-	-	✓	✓	✓	✓	✓	✓
W4	L150 x W100	-	-	✓	✓	✓	✓	✓	✓
W5	L210 x W140	-	-	-	-	-	✓	✓	✓

EX D CONTROL STATION ENCLOSURE - SDEC





MATERIAL

- **Body Material:** Stainless steel forming, powder-coated.

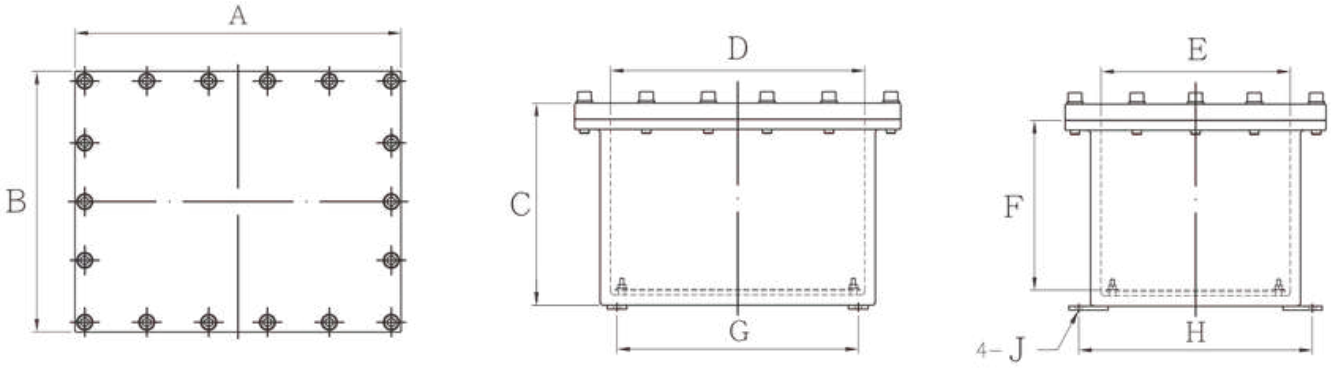
SPECIFICATIONS

- **IP Rating** : IP66
- **Frequency** : 60 Hz
- **Input Voltage** : AC 220V
- **Rated Current** : 30A
- **Operating Temperature** : -20~+40°C
- **Standard Paint** : #61 Sand Yellow
- **Ex-proof Certification** :

* Explosion-proof enclosure accessories need to be purchased separately **(Refer to P.5-7 – P.5-8)**
* Must be installed with explosion-proof accessories **(Refer to P.9-1 – P.9-5)**

A : Enclosure Length
B : Enclosure Width
C : Enclosure Height
D : Internal Length
E : Internal Width
F: Internal Height
G : Mounting Hole Pitch (Length)
H : Mounting Hole Pitch (Width)
J : Mounting Hole Size

Base Thickness: 2mm



Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

Model No.	Components Qty	Explosion-proof Rating	External Dimension (mm)			Internal Dimension (mm)			Installation Dimension (mm)			Weight (Kg)
			A	B	C	D	E	F	G	H	J	
SDEC-70ALL-01	8	Ex d IIB+H2 T6 Gb, Ex tb IIIC T85°C Db	360	260	205	260	160	174	234	220	Ø10	33
SDEC-72ALL-01	15		480	370	220	370	260	171	330	380	Ø16.5	87
SDEC-73ALL-01	15		500	400	310	390	290	261	350	410		110
SDEC-74ALL-01	25		600	600	310	480	480	257	410	602		206
SDEC-75ALL-01	38		800	620	260	680	500	207	610	622		224

5-5 EX E CONTROL STATION ENCLOSURE - SEEC

SANCTITY
QUALITY / RELIABLE / FOCUS



MATERIAL

- **Body Material:** Die-cast aluminium alloy, powder-coated; Passed 1,000-hr salt-spray test.

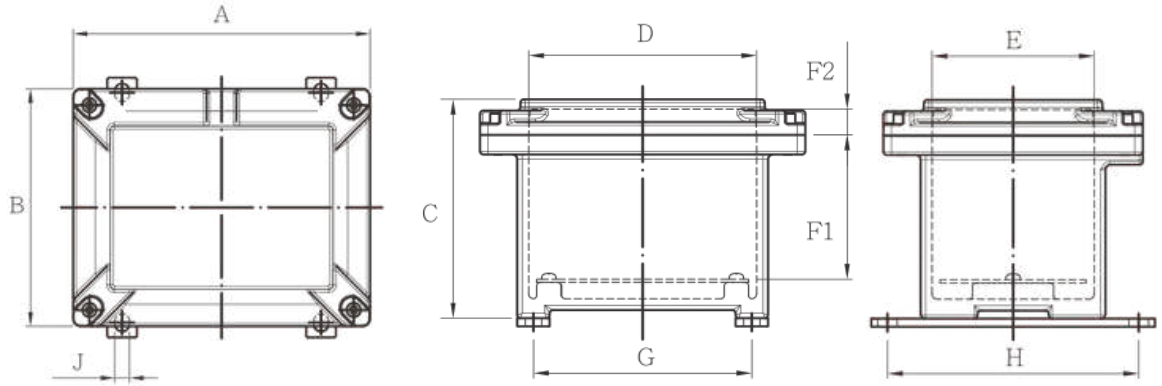
SPECIFICATIONS

- **IP Rating** : IP66
- **Frequency** : 60 Hz
- **Input Voltage** : MAX.AC1000V
  (39): AC110/220/380/460/DC24V
- **Operating Temperature** : -20~+40°C
- **Ex-proof Certification** :

Must be installed with explosion-proof accessories **(Refer to P.9-1 – P.9-5)**

A : Enclosure Length
B : Enclosure Width
C : Enclosure Height
D : Internal Length
E : Internal Width
F1 : Base Depth / Base to Joint Face
F2 : Cover Depth / Joint Face to Lid
G : Mounting Hole Pitch (Length)
H : Mounting Hole Pitch (Width)
J : Mounting Hole Size

Base Thickness: 2mm



Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

Model No.	Explosion-proof Rating	External Dimension (mm)			Internal Dimension (mm)				Installation Dimension (mm)			Weight (Kg)
		A	B	C	D	E	F1	F2	G	H	J	
SEEC-10ALL-01	Ex d e IIB+H2 T6 Gb, Ex tb IIIC T85°C Db	200	160	135	140	100	89	16	134	155	Ø10	3
SEEC-11ALL-01		250	160	135	190	100	89	16	184	155		3.4
SEEC-12ALL-01		300	160	135	240	100	89	16	234	155		4
SEEC-13ALL-01		380	160	135	320	100	89	16	314	155		5
SEEC-14ALL-01		400	260	205	330	190	151	24	320	250	Ø14	9.3
SEEC-15ALL-01		400	400	255	330	330	201	24	320	390		13.5
SEEC-16ALL-01		560	360	255	490	290	201	24	480	350		16.5
SEEC-39ALL-00		370	356	233	294	280	169	23	290	350		15
SEEC-99ALL-01		1050	850	315	974	774	266	23	460×2	838		60

EX E CONTROL STATION ENCLOSURE - SEEJ



MATERIAL

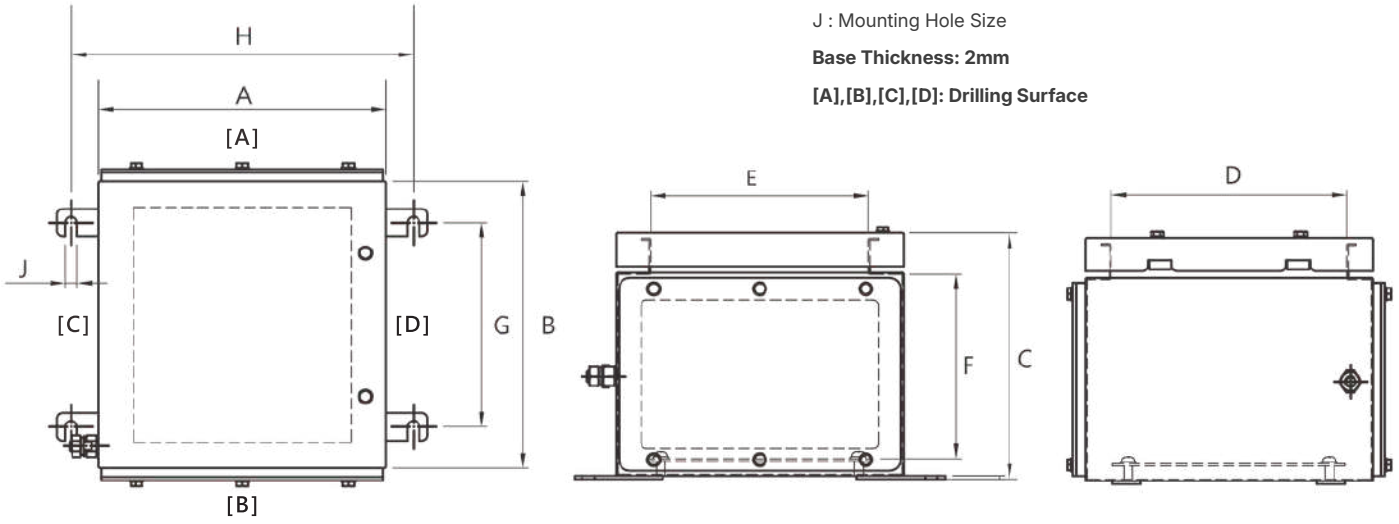
- **Body Material:** Stainless steel forming, powder-coated.

SPECIFICATIONS

- **IP Rating** : IP64 / IP66
- **Frequency** : 60 Hz
- **Input Voltage** : MAX.AC480V, 150A
- **Ex-proof Certification** :

Must be installed with explosion-proof accessories
(Refer to P.9-1 – P.9-5)

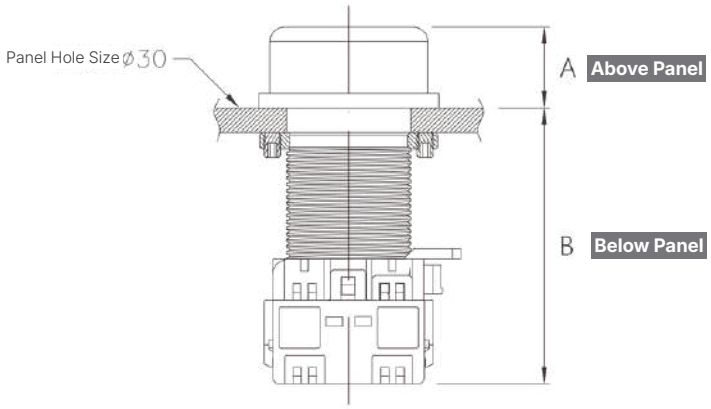
A : Enclosure Length
B : Enclosure Width
C : Enclosure Height
D : Internal Length
E : Internal Width
F: Internal Height
G : Mounting Hole Pitch (Length)
H : Mounting Hole Pitch (Width)
J : Mounting Hole Size
Base Thickness: 2mm
[A],[B],[C],[D]: Drilling Surface



Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

Model No.	Explosion-proof Rating	External Dimension (mm)			Internal Dimension (mm)			Installation Dimension (mm)			Weight (Kg)
		A	B	C	D	E	F	G	H	J	
SEEJ-20ALL-00	Ex eb II T6 Gb, Ex tb IIIC IP66 T85°C Db	260	260	223	213	197	167	185	310	Ø11	7
SEEJ-21ALL-00		306	306		259	243		231	356		10
SEEJ-22ALL-00		260	380		333	197		305	310		10
SEEJ-23ALL-00		430	430		383	367		355	480		16
SEEJ-24ALL-00		480	480		433	417		405	530		18
SEEJ-25ALL-00		520	520		473	457		445	570		21
SEEJ-26ALL-00		450	620		573	387		545	500		21
SEEJ-27ALL-00		508	762		715	445		687	558		26.5
SEEJ-28ALL-00		610	914	318	867	547	262	839	660		41
SEEJ-29ALL-00	Ex eb II T6 Gb, Ex tb IIIC IP64 T85°C Db	777	1177		1130	714		551×2	827		60

Size Indication Diagram





Mushroom Push-Button Switch

Model No.	
S-SP-EC0100-101	
A Size	71 mm
B Size	68.1 mm

Brass Multi-Position Selector Switch



Model No.	
3-position 45°	S-SP-EC0700-103
2-position 90°	S-SP-EC0700-104
A Size	33.7 mm
B Size	77 mm
Contact Configuration	
3316	1-EL1098-000011
3317	1-EL1098-000012
2220	1-EL1098-000013



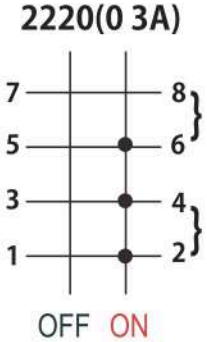
Buzzer

Model No.	
S-SP-EC1100-001	
A Size	46 mm
B Size	36 mm

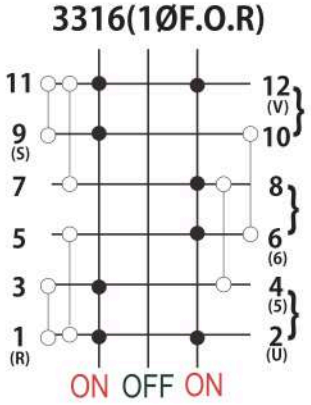
Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

2-Position / 3-Position Selector Switch Contact Diagram

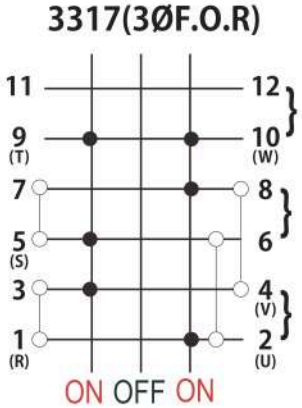
2-Position Selector Switch (ON/OFF), 3A Contact



3-Position Selector Switch for 1Φ Motor Reversing



3-Position Selector Switch for 3Φ Motor Reversing



For multiple-position selector switch, please select according to switch positions, motor type, and voltage specification.
Feel free to contact our sales team directly via our official Email / WhatsApp.

Capacity / Voltage	AC-3A(kw)		AC-23A(kw)		AC-21A Iu=Ith
	3 ph.	1 ph.	3 ph.	1 ph.	
220~240V AC	4	3	5.5	3	25A
380~440V AC	7.5	3.7	11	5.5	
660~690V AC	7.5	3.7	11	5.5	

Motor	AC-3A(hp)	
	3 ph.	1 ph.
120V	3	1.5
240V	7.5	3
480V	10	3



Brass Flat Head Push Button Switch

Model No.	
Red	S-SP-EC0300-101
Green	S-SP-EC0300-102
Blue	S-SP-EC0300-103
Orange	S-SP-EC0300-104
White	S-SP-EC0300-105
Black	S-SP-EC0300-106

A Size
19.5 mm
B Size
66.6 mm



Brass Flat Head Push Button Switch With Lock

Model No.	
Red	S-SP-EC0300-107
Green	S-SP-EC0300-108
Blue	S-SP-EC0300-109
Orange	S-SP-EC0300-110
White	S-SP-EC0300-111
Black	S-SP-EC0300-112

A Size
35 mm
B Size
62.6 mm



LED Pilot Lamp - Direct DC24V

Model No.	
Red	S-SP-EC0400-106
Green	S-SP-EC0400-107
Blue	S-SP-EC0400-108
Orange	S-SP-EC0400-109
Transparent	S-SP-EC0400-110
White	S-SP-EC0400-118
Grey	S-SP-EC0400-119

A Size
37. 2 mm
B Size
58 mm



LED Pilot Lamp - Transformer

A Size	37.2 mm	B Size	96 mm

110 V Model No.	
Red	S-SP-EC0400-101
Green	S-SP-EC0400-102
Blue	S-SP-EC0400-103
Orange	S-SP-EC0400-104
Transparent	S-SP-EC0400-105
White	S-SP-EC0400-116
Grey	S-SP-EC0400-121

220 V Model No.	
Red	S-SP-EC0400-111
Green	S-SP-EC0400-112
Blue	S-SP-EC0400-113
Orange	S-SP-EC0400-114
Transparent	S-SP-EC0400-115
White	S-SP-EC0400-117
Grey	S-SP-EC0400-120

- **Contact rating**

Applicable Components (Marked with ★)

Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

		AC24V	AC110V	AC220V	AC380V	AC440V
Alternating Current	Inductive Load	10A	6A	4A	2.5A	2A
	Resistive Load	10A	10A	6A	5A	4A

		DC24V	DC110V	DC220V	DC380V
Direct Current	Inductive Load	1.5A	0.5A	0.2A	0.1A
	Resistive Load	10A	2A	0.6A	0.2A

5-9 EX D PLUG AND SOCKET - SDEP

SANCTITY
QUALITY / RELIABLE / FOCUS



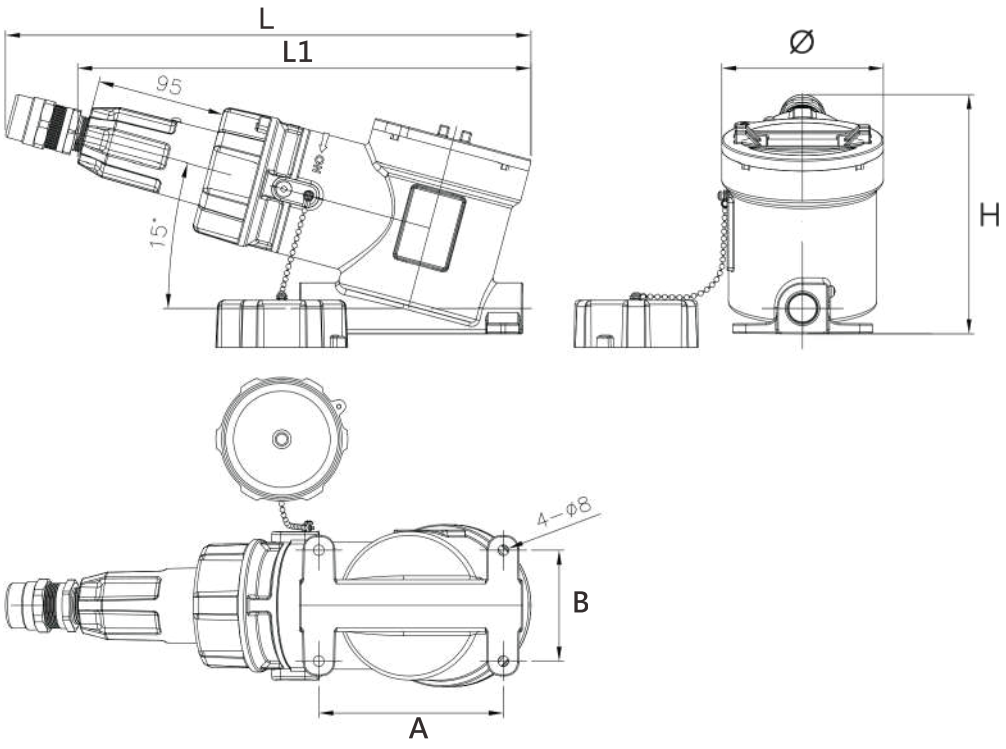
MATERIAL

- **Body Material:** Die-cast aluminium alloy, powder-coated; Passed 1,000-hr salt-spray test.

SPECIFICATIONS

- **IP Rating** : IP66
- **Frequency** : 50/60 Hz
- **Installation Method** : Wall-mounted
- **Operating Temperature** : -20~+40°C
- **Angle** : 15°
- **Entry Hole** : 3P $^{3}/_{4}$"NPT
  4P 1" NPT
- **Ex-proof Certification** :

Must be installed with explosion-proof accessories
(Refer to P.9-1 – P.9-5)

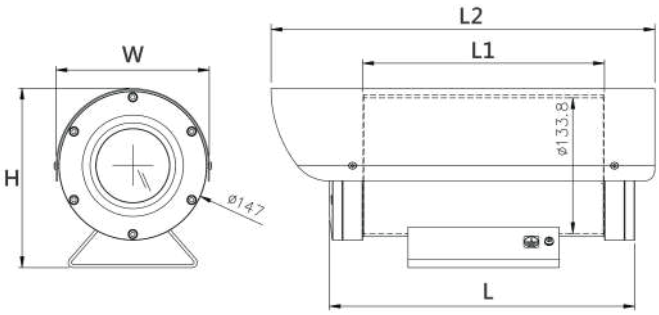


Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

Model No.	Explosion-proof Rating	Poles	Rated current	Input Voltage	Installation Dimension (mm)						Weight (Kg)
					L	L1	H	A	B	Ø	
SDEP-3P25A-00	Ex d IIC T6 Gb, Ex tb IIIC T85°C Db	3P	25A	AC110~690V， 3-phase	390	336.5	177.5	137	82	120	4.4
SDEP-4P32A-00		4P	32A		412	341.3	195.5	145.4			4.8

EX D SURVEILLANCE CAMERA HOUSING - SDEM





Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

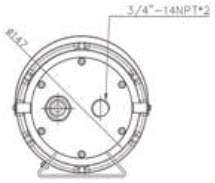
MATERIAL

- **Body Material:** Stainless Steel.
  Impact resistant tempered optical window glass.

SPECIFICATIONS

- **IP Rating** : IP66
- **Operating Temperature** : -20~+40°C
- **Entry Hole** : $^{3}/_{4}$" NPT
- **Ex-proof Certification** :

Must be installed with explosion-proof accessories
(Refer to P.9-1 – P.9-5)

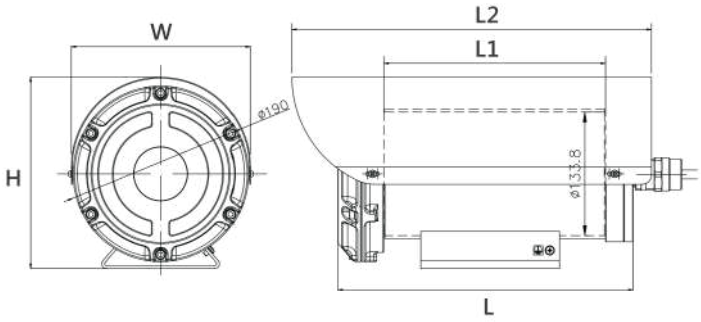


[$^{3}/_{4}$" Entry hole x 2 holes]

Model No.	Explosion-proof Rating	Input Voltage	L	L1	L2	W	H	Weight (Kg)
SDEM-00ALL2-01	Ex d IIC T6 Gb, Ex tb IIIC T85°C Db	DC12V	303	240	381	152	177	11.2
SDEM-00ALL2-00			453	390	535			12.6

This model has an infrared function.





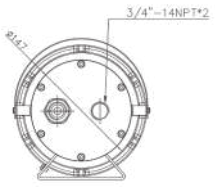
MATERIAL

- **Body Material:** Stainless Steel.
  Impact resistant tempered optical window glass.

SPECIFICATIONS

- **IP Rating** : IP66
- **Operating Temperature** : -20~+60°C
- **Entry Hole** : $^{3}/_{4}$" NPT
- **Ex-proof Certification** :

Must be installed with explosion-proof accessories
(Refer to P.9-1 – P.9-5)



[3/4" Entry hole x 2 holes]

Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

Model No.	Explosion-proof Rating	Input Voltage	Infrared LED Power	L	L1	L2	W	H	Weight (Kg)
SDEM-IFALL-L1	Ex d IIC T6 Gb, Ex tb IIIC T85°C Db	AC110~240V	8W	470	390	540	194	207	11.4
SDEM-IFALL-S1				320	240	390			12.8
SDEM-IFD12-L1		DC12V		470	390	540			11.4
SDEM-IFD12-S1				320	240	390			12.8

6-2 EX D / EX E EXHAUST FAN

SANCTITY
QUALITY / RELIABLE / FOCUS



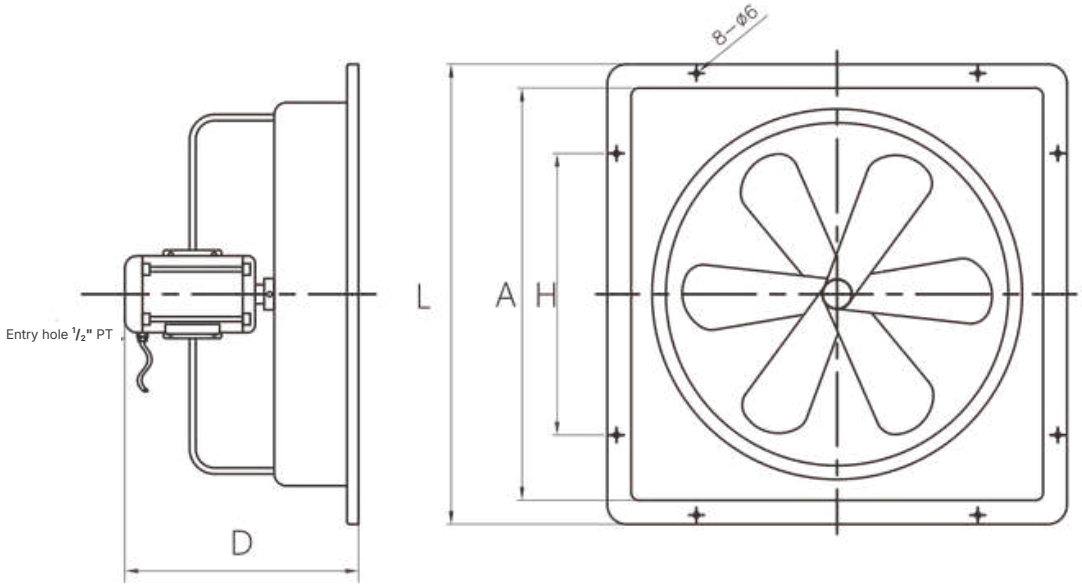
MATERIAL

- **Body Material:** Aluminium alloy;
  Protective net: galvanized steel

SPECIFICATIONS

- **Voltage Form** : Three-phase
- **Frequency** : 60 Hz
- **Input Voltage** : AC 220~600V
- **Rated Current** : 30A
- **Operating Temperature** : -20~+50°C (Ex d)
  -20~+40°C (Ex e)
- **Pole Quantity** : 4P
- **Ex-proof Certification** :

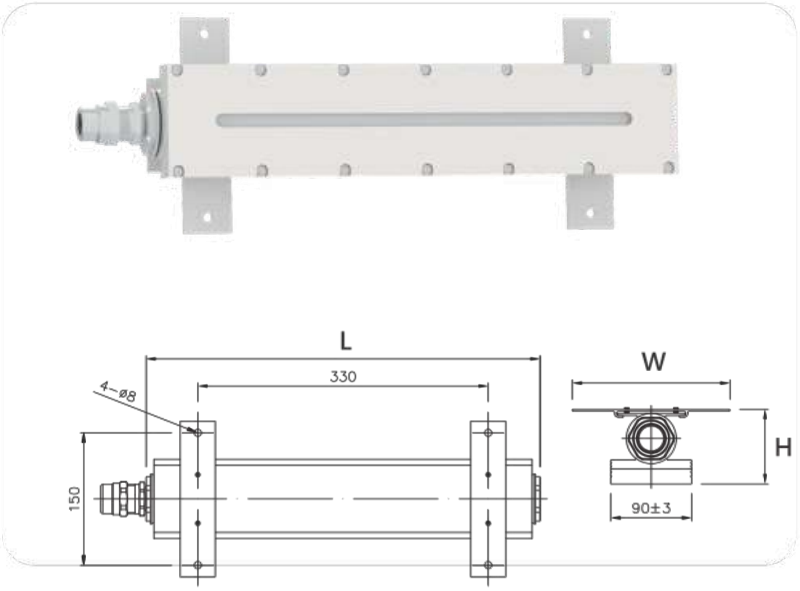
Must be installed with explosion-proof accessories **(Refer to P.9-1 – P.9-5)**
Can be used with explosion-proof switch boxes **(Refer to P.5-1 - P5-2, P5-7)**
The minimum specifications for the Ex D exhaust fan are 18 inches and 1 horsepower.



L = Outer Frame Length
A = Inner Frame Length
D = Fan Depth / Thickness
H = Mounting Hole Spacing (Center-to-Center)

Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

Model No.	Size (Inches)	Explosion-proof Rating	Blades	Horsepower (HP)	Airflow (CMM)	Installation Dimension (mm)				Noise Level (dB)	Weight (Kg)
						L	A	D	H		
143	14	Ex e IIC T3 Gb, Ex nA IIC T3 Gc, Ex tb IIIC T125°C Db	6	1/2	180	450	400	360	255	70	19.3
163	16				200	500	450		306	75	19.5
183	18				220	560	510		365	80	20
203	20				280	610	565		420	82	23
243	24		4	1	380	715	665	370	519	85	31.5
2431		Ex d IIB T4 Gb								87	35



MATERIAL

- **Body Material:** Die-cast aluminium alloy, powder-coated; Passed 1,000-hr salt-spray test.

SPECIFICATIONS

- **IP Rating** : IP66
- **Frequency** : 60 Hz
- **Voltage** : AC110V/220V
- **Operating Temperature** : -20~+40°C/+60°C
- **Installation Method** : Ceiling-mounted/wall-mounted
- **Entry Hole** : $^{3}/_{4}$"NPT
- **Ex-proof Certification** :

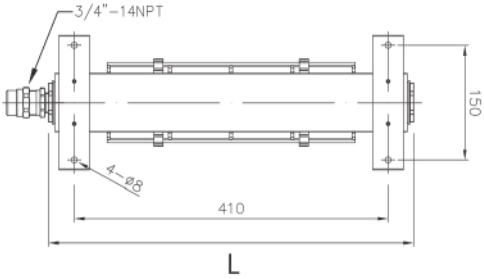
Emergency Light uses NiMH battery - stays lit **90 min** after power failure

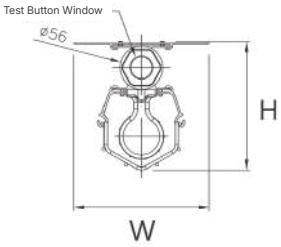
Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

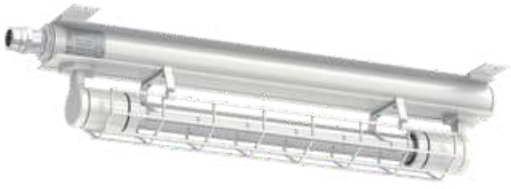
Model No.	Category	Light Source	Explosion-proof Rating	L	W	H	Weight (Kg)
SDLE-0LG-0161ALL	Emergency Light	LED - 16W	Ex d IIB+H_2 T6 Gb、Ex tb IIIC T85℃ Db	448	176	83	4



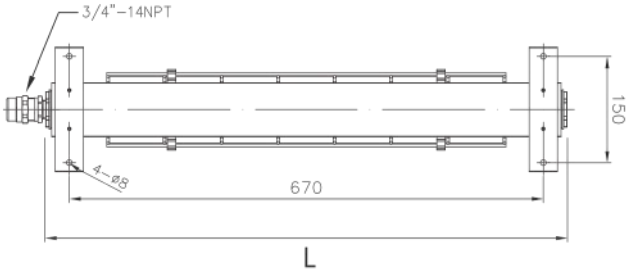
9W







19W / 24W



Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

Model No.	Category	Light Source	Explosion-proof Rating	L	W	H	Weight (Kg)
SDLE-0LG-0091ALL01S	Emergency Light	LED - 9W	Ex d IIB+H_2 T6 Gb、Ex tb IIIC T85℃ Db	477	176	166	3
SDLE-0LG-0191ALL01S		LED - 19W		737			4
SDLE-0LG-0241ALL01S		LED - 24W					

7-2 EX D EMERGENCY LIGHTING - SDLE

SANCTITY
QUALITY / RELIABLE / FOCUS

C Level



Emergency Exit Light

BH Level



Emergency Direction Light

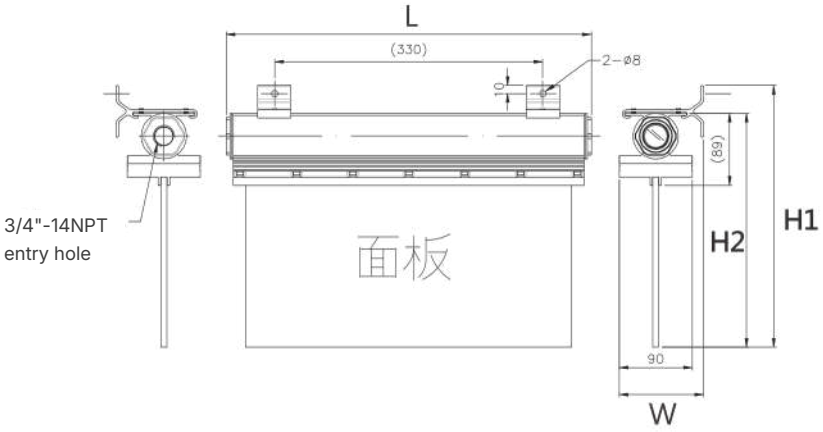
MATERIAL

- **Body Material:** Die-cast aluminium alloy, powder-coated; Passed 1,000-hr salt-spray test.

SPECIFICATIONS

- **IP Rating** : IP66
- **Frequency** : 60 Hz
- **Voltage** : AC110V/220V
- **Level Distinction** : C level, BH level
- **Operating Temperature** : -20~+40°C
- **Installation Method** : Ceiling-mounted/wall-mounted
- **Entry Hole** : $^{3}/_{4}$"NPT
- **Ex-proof Certification** :

Exit/Escape Direction Light uses NiMH battery - stays lit **60 min** after power failure
Must be installed with explosion-proof accessories
(Refer to P.9-1 – P.9-5)



Emergency Direction Light Style
One Side One Direction - Turn Left
One Side One Direction - Turn Right
One Side Two Direction
Two Side One Direction - Turn Left
Two Side One Direction - Turn Right
Two Side Two Direction
Custom-made Light Panels - Without Silver Label (C Level Only)

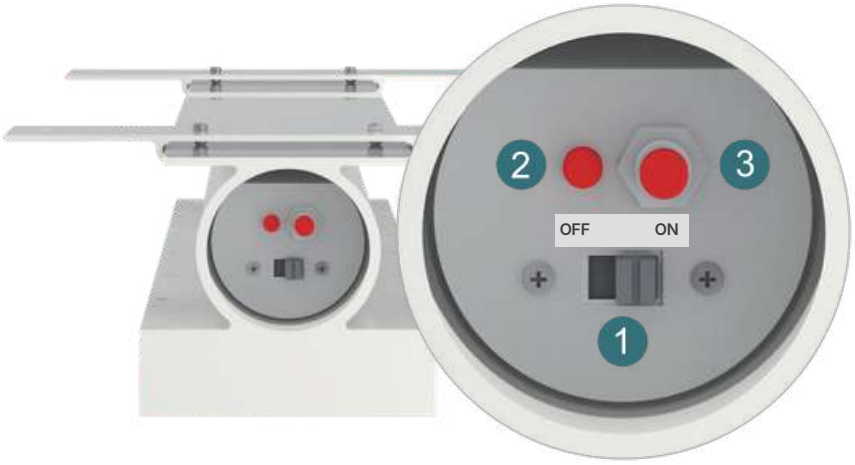
Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

	Model No.	Category	Light Source	Explosion-proof Rating	L	W	H1	H2	Weight (Kg)
C Level	SDLE-ELG-0161ALL	Emergency Exit Light	LED - 16W	Ex d IIB+H_2 T6 Gb、Ex tb IIIC T85℃ Db	448	104	243	209	4.5
	SDLE-DLG-0161ALL	Emergency Direction Light							
BH Level	SDLE-ELG-0161ALL	Emergency Exit Light					323	289	
	SDLE-DLG-0161ALL	Emergency Direction Light							

OPERATING INSTRUCTIONS

- For first-time use, please charge the device for 48 hours.
- To test whether the fire-safety emergency lighting equipment is functioning properly, please refer to the following procedures.
  1. Please turn on the battery switch (Figure 1)
  2. Please make sure that the red indicator light is on (Figure 2)
  3. Please press the red test button (Figure 3)

  The above three steps are used to confirm whether the fire-safety emergency lighting equipment is functioning properly.



1 Battery Switch
2 Red Indicator Light
3 Red Test Button

Component Identification

Panel Customization

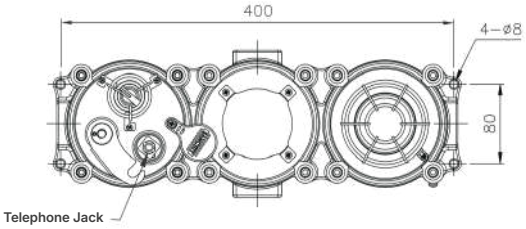
Warning sign and content on the panel can be customized.

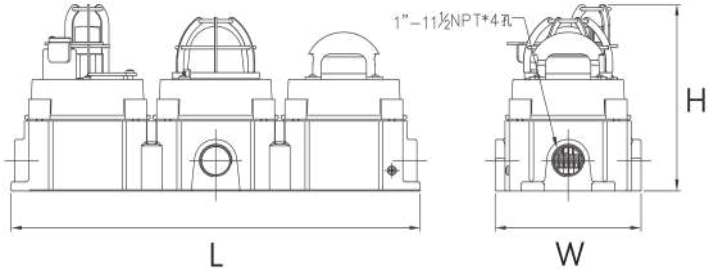
Please refer to the model and style panel markings for dimensions.



SANCTITY
QUALITY / RELIABLE / FOCUS







MATERIAL

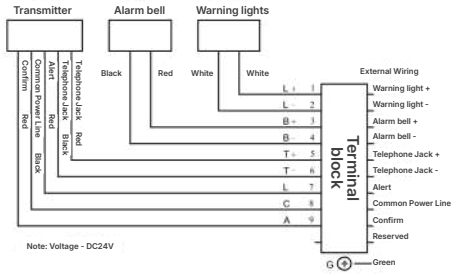
- **Body Material:** Die-cast aluminium alloy, powder-coated; Passed 1,000-hr salt-spray test
- **Lens Guard:** Tempered-glass cover with protective net
  - The fire alarm combined panel / transmitter must be used with an Intrinsically Safe (I.S.) Isolator.
  - The alarm bell requires a power supply of at least 500mA for driving.

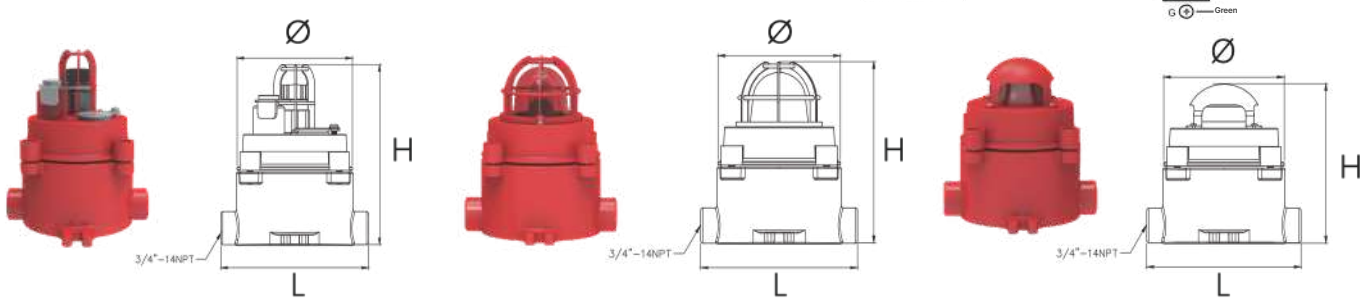
SPECIFICATIONS

- **IP Rating** : IP66
- **Light Source** : LED 3W
- **Operating Temperature** : -20~+60°C
- **Installation Method** : Wall-mounted
- **Entry Hole** : $^{3}/_{4}$", 1" NPT
- **Telephone Jack** : Ø6.3mm
- **Ex-proof Certification** :

The product got approval from the Fire Department of the Ministry of the Interior (Taiwan)
Must be installed with explosion-proof accessories
(Refer to P.9-1 – P.9-5)

Wiring diagram: Fire-alarm combined panel

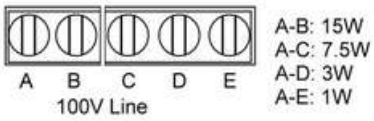


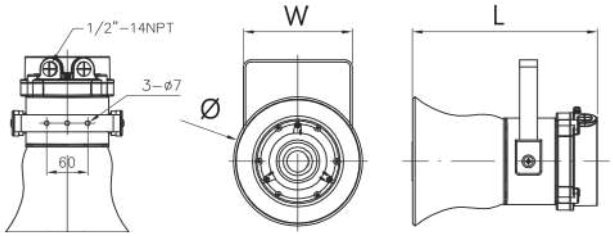


Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

Model No.	Category	Input Voltage	Explosion-proof Rating	Ø	L	W	H	Weight (Kg)
SDEF-PBD24-01	Fire-alarm combined panel	DC24V	Ex d IIC T6 Gb, Ex tb IIIC T85°C Db	—	415	148	188	6.5
SDEF-PBD24-1B	Alarm bell			126	161	—	167	2
SDEF-PBD24-0L	Warning light						185	
SDEF-PBD24-0P	Signal transmitter						195	
SDEF-LLD24-00	Warning-light set			—	415	148	180	6.5
SDEF-PBALL-01	Fire-alarm combined panel	AC100~240V		—	415	148	188	
SDEF-PBALL-1B	Alarm bell			126	161	—	167	2
SDEF-PBALL-0L	Warning light						185	
SDEF-PBALL-0P	Signal transmitter						195	
SDEF-LLALL-00	Warning-light set			—	415	148	180	6.5







Reminder: Dimensions are for reference only, actual product measurements shall prevail |
Unit of Measurement: mm

MATERIAL

- **Body Material:** Die-cast aluminium alloy, powder-coated; Passed 1,000-hr salt-spray test

SPECIFICATIONS

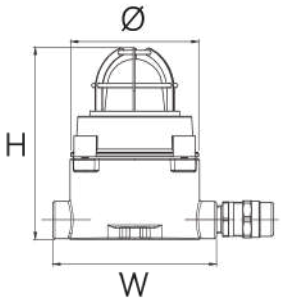
- **IP Rating** : IP66
- **Output Power** : 1W, 3W, 7.5W, 15W
- **Sound Pressure** : Class L
- **Operating Temperature** : -20~+40°C
- **Installation Method** : Wall-mounted
- **Entry Hole** : $^1/_2$" NPT
- **Ex-proof Certification** :

The product got approval from the Fire Department of the Ministry of the Interior
Must be installed with explosion-proof accessories
(Refer to P.9-1 – P.9-5)

Model No.	Explosion-proof Rating	Input Voltage	Ø	W	L	Weight (Kg)
SDEB05-01BB11-01	Ex d IIC T4 Gb / Ex tb IIIC T85°C Db	AC100V signal source Must be used with a PA amplifier	181	152	259	3
SDEB05-01BB11-0S	Ex d IIC T6 Gb / Ex tb IIIC T85°C Db					
SDES-EBALL-01	Ex d IIC T4 Gb / Ex tb IIIC T85°C Db	AC100~240V				
SDES-EBALL-0S	Ex d IIC T6 Gb / Ex tb IIIC T85°C Db					
SDES-EBD24-01	Ex d IIC T4 Gb / Ex tb IIIC T85°C Db	DC24V				
SDES-EBD24-0S	Ex d IIC T6 Gb / Ex tb IIIC T85°C Db					

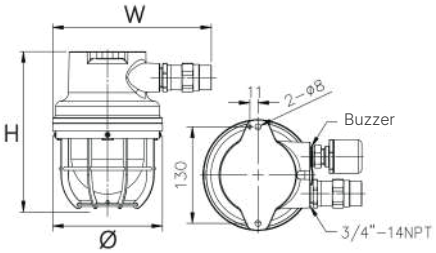
CODE 08





CODE 09





Reminder: Dimensions are for reference only, actual product measurements shall prevail |
Unit of Measurement: mm

MATERIAL

- **Body Material:** Die-cast aluminium alloy, powder-coated; Passed 1,000-hr salt-spray test
- **Lens Guard:** Tempered-glass cover with protective net

SPECIFICATIONS

- **Frequency** : 50/60Hz
- **Operating Temperature** : -20~+40°C
- **Light Source** : LED 3W
- **Installation Method** : Wall-mounted
- **Entry Hole** : $^3/_4$" NPT
- **Ex-proof Certification** :

Can select steady or flashing mode
Must be installed with explosion-proof accessories
(Refer to P.9-1 – P.9-5)

Model No.	Explosion-proof Rating	Code	IP Rating	Input Voltage	Ø	W	H	Weight (Kg)	Tube Guard Color
SDLB08-06L J15-01	Ex d IIB+H2 T6 Gb Ex tb IIIC T85°C Db	08	IP66	AC110~220V	126	161	185	2	Red/Yellow/Green
SDLB08-06L J14-01				DC24V					Red/Yellow/Green
SDLB09-06L J15-01	Ex d IIB T6 Gb	09	–	AC110~220V	149	216	216	2.4	Red
SDLB09-06L J15-02 (with buzzer)									Red
SDLB09-06L J14-01				DC24V					Red
SDLB09-06L J14-02 (with buzzer)									Red



- **Model** : ORB-HT-51151-APO
- **Product** : Ex ia Temperature Detector
- **Sensitivity Type** : 2 types, rate-of-rise + fixed 65–75°C
- **Ex Rating** : Ex ia IIC T5
- **Voltage** : DC 15~30V
- **Dimension** : Ø100x51mm
- **Weight** : 70g
- **Operating Temperature** : -10~+50°C
- **Certification** :

The product got approval from the Fire Department of the Ministry of the Interior



- **Model** : ORB-OP-52027-APO
- **Product** : Ex ia Photoelectric Smoke Detector
- **Sensitivity Type** : Photoelectric
- **Ex Rating** : Ex ia IIC T5
- **Voltage** : DC 15~30V
- **Dimension** : Ø100x46mm
- **Weight** : 75g
- **Operating Temperature** : -10~+50°C
- **Certification** :

The product got approval from the Fire Department of the Ministry of the Interior



- **Model** : FS20X
- **Product** : Ex Flame Detector
- **Detection Type** : Multi-spectrum UV / Dual-IR / VIS
- **Detection Range** : Over 200 ft (60 m)
- **Field of View** : 90°, 100% full-cone view
- **Operating Voltage** : 18–32 VDC (rated 24 VDC)
- **Power Consump.** : 83 mA
- **Ambient Operating Temp.** : ● Operating Temperature -40~+185°F (-40~+85°C) ● Storage Temperature -67~+230°F (-55~+110°C)
- **Operating Humidity** : 5~98%RH Relative humidity, non-condensing
- **Housing Material** : Aluminium alloy or 316SS
- **Entry Hole** : 3/4" NPT
- **IP Rating** : IP66
- **Ex Rating** : Ex db IIC T5 Ex tb IIIC T135°C
- **Certification** :



- **Model** : PI-15
- **Product** : Loop Isolation Module
- **Voltage** : DC15~30V
- **Dimension** : W80xH35xD35mm
- **Cascading Quantity** : Max 6 detectors
- **Operating Temperature** : 0~50°C, ≤ 95% RH

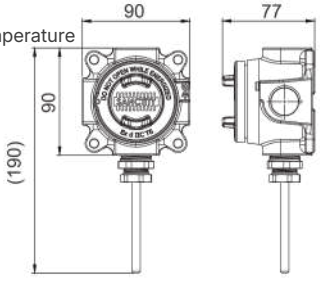


- **Model** : Z728
- **Product** : Signal Isolation Module
- **Ex Rating** : Ex ia IIC Ga, Ex ia IIIC Da
- **IP Rating** : IP20
- **Voltage** : DC26.9V
- **Dimension** : W110xH115xD12.5mm
- **Weight** : 150g
- **Operating Temperature** : -20~+60°C
- **Certification** :





- **Model** : 302-EPM-194
- **Product** : Rod-type Fixed-Temperature Detector
- **Ex Rating** :
  - TS: Ex db IIB T6 Ex tb IIIC T85°C
  - UL: Class I, Group C,D Class II, Group E,F,G
- **Voltage** AC6~125V / DC6~25V / DC125V
- **Dimension** : Ø25.4×108 mm
- **Set-point Temperature** : 90°C
- **Certification** :



Notes: 302-EPM-194 sold as a complete unit; pair with an Ex junction box (see 9-2)

The product got approval from the Fire Department of the Ministry of the Interior



- **Model** : 439DEX-6AW-R
- **Product** : Ex Alarm Bell
- **Ex Rating** : Class I, Group B, C, D Class II Group E, F, G Class III Div. 1 & 2
- **Voltage** : DC20~24V
- **Dimension** : Ø152×H178×D127 mm
- **Weight** : 2.4kg
- **Audio Output** : 83 dBA
- **Certification** :



- **Model** : 1LX7003-ET
- **Product** : Ex Micro Switch
- **Ex Rating** : Ex d e IIC T6 Gb
- **IP Rating** : IP67
- **Voltage** : DC125/250V/AC240V
- **Vibration Angle** : 15°
- **Certification** :



- **Model** : AD/ADS-14/15/20/25/35/40/50
- **Product** : Ex e Solenoid Valve
- **Ex Rating** : Ex e mb IIC T4 Gb Ex tb mb IIIC T130°C Db
- **Entry Hole** : 3/8" ~ 2" NPT
- **Voltage** : DC24V/AC110/220~240V
- **Operating Temperature** : -40~+60°C
- **Certification** :

The product got approval from National Fire Agency, Ministry of the Interior (Taiwan)



MATERIAL

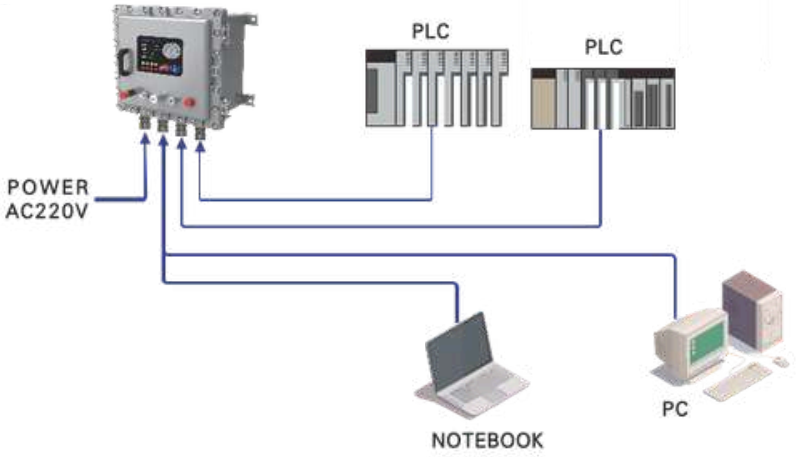
- **Body Material:** Die-cast aluminium alloy, powder-coated; Passed 1,000-hr salt-spray test

SPECIFICATIONS

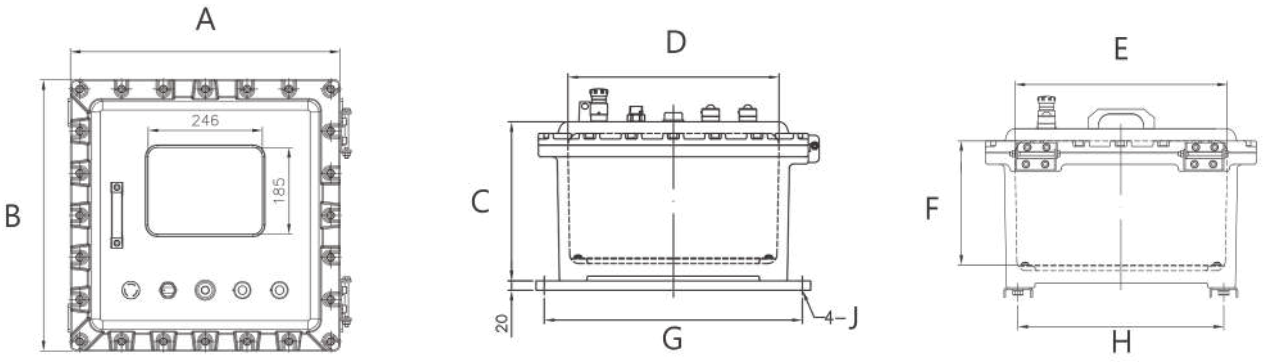
- **IP Rating** : IP66
- **Frequency** : 50/60Hz
- **Voltage** : AC100~120/220~240V, DC24V
- **Operating Temperature** : -20~+40°C
- **Certification** :

T5: Equipped with breather drain, T6: without breather drain
Must be installed with explosion-proof accessories
(Refer to P.9-1 – P.9-5)

Wiring Diagram



A : Enclosure Length
B : Enclosure Width
C : Enclosure Height
D : Internal Length
E : Internal Width
F: Internal Height
G : Mounting Hole Pitch (Length)
H : Mounting Hole Pitch (Width)
J : Mounting Hole Size

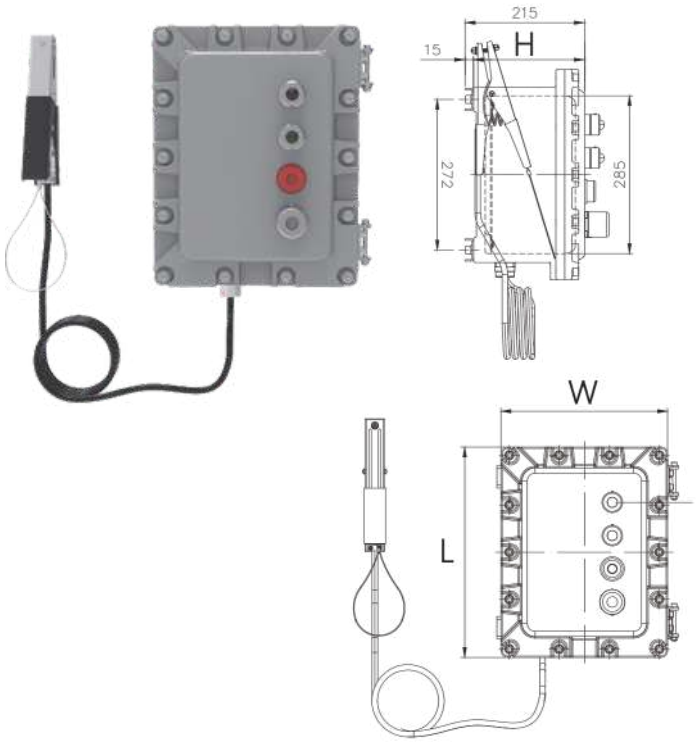


Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

Model No.	Enclosure Lid	Explosion-proof Rating	External Dimension (mm)			Internal Dimension (mm)			Installation Dimension (mm)		
			A	B	C	D	E	F	G	H	J
SDEC-HIALL-01	Standard model	Ex d IIB+H2 T5/T6 Gb Ex tb IIIC T85°C Db	580	580	340	454	454	278	555	440	Ø15

8-2 EX D STATIC GROUNDING SYSTEM - SDEE
STATIC GROUNDING CLAMP - SGEE

SANCTITY
QUALITY / RELIABLE / FOCUS



MATERIAL

- **Body Material:** Die-cast aluminium alloy, powder-coated; Passed 1,000-hr salt-spray test

SPECIFICATIONS

- **IP Rating** : IP66

STAINLESS STEEL CLAMP

- **Clamp Option** : Flat Copper Sheet / Alloy Pin Contact

Product Features : - Equipped with a high-strength alloy pin at the tip to ensure secure and reliable grounding.
- Built-in heavy-duty spring retains full clamping elasticity for 30,000 uses.

- **Certification** :

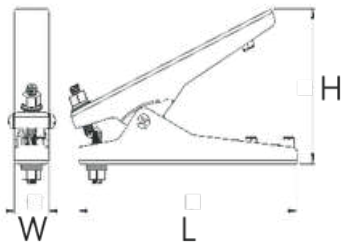
Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

Model No.	Explosion-proof Rating	Paint-Piercing Pin Quantity	L	W	H	Weight (KG)
SDEE-500000-00AL-D0-I	Ex d IIB+H2 T4/T6 Gb, Ex tb IIIC T85°C Db	2,3	380	300	200	31

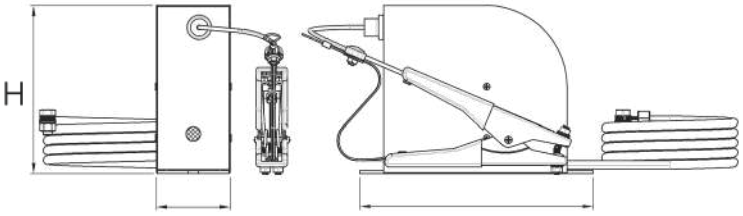




Grounding Clamp Dimensions Diagram



Grounding Reel Dimensions Diagram



Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

Model No.	Category	Paint-Piercing Pin Quantity	L	W	H	Weight (KG)
SGEE-00000-00SS-003-R	Big	3	235	36	100	0.62
SGEE-00000-00SS-002-R	Medium	3	180	28	105	0.40
SGEE-00000-00SS-000-R	Small	2	135	22	90	0.23
SGEE-BZ000-00SS-000-R	Grounding reel (Including grounding clamp)	3	238	75	171	3

EX BLOWER, CLEANROOM DUST SYSTEM COOLER, BLUETOOTH EX VIBRATION & TEMP SENSOR 8-3



- **Product** : Ex Cabinet Cooler
  Ex Rating : Ex h IIC T4 Gb
  IP Rating : IP56
  Dimension : L222XW45mm
  Operating Temp. : -10~+55°C
  Max. Inlet Pressure : 80psi(5.5 Bar)
  Max. Inlet Temp. : 55°C
  Noise Level : 73dBA
  Cooling Performance : 190Watt (650Btu/hr) ~ 703Watt (2400Btu/hr)
  Cooling Ratio : 70% (Rotate 2.5 turns from the fully closed position)
  Certification :

All explosion-proof blowers (3.7kW and below) are fully manufactured by Showadenki. Designed for ventilation, dust extraction, and other applications, these versatile blowers feature a comprehensive product lineup to meet diverse operational needs, with custom specifications easily accommodated. Guaranteed for high quality, Showadenki is one of the best brand in Japan's market share.

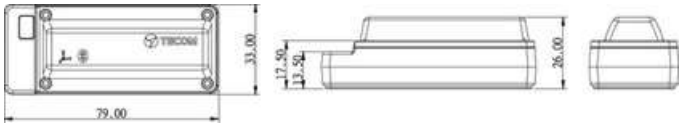


- **Product** : Ex Blower
  Ex Rating : Ex d IIB T4, Ex e IIC T3
  Voltage : Three-Phase (Customizable upon request)
  Max. Inlet Temperature : 120°C / 150°C
  Blower Model : EC, EM, EP
  Impeller Type : Selectable upon request

* Please call us for consultation and custom selection of **explosion-proof motors and impellers**.
* Optional for integration with **cleanroom dust extraction systems.**



- **Product** : Bluetooth Explosion-Proof Vibration and Temperature Gauge
  Ex Rating : Ex iB IIC T4 Gb
  IP Rating : IP66
  Sensitivity Range : ± 8 g
  Frequency Range : 10 Hz ~ 1000 Hz for ISO-2954
  Sampling Frequency : 8000Hz
  Measurement Temperature : -40~+75°C, accuracy: ± 1°C
  75~85°C, accuracy: ± 2°C
  Transmission Method : BLE 5.0, Range < 30m
  Output Data : 3-Axis RMS, Raw Data, Temperature, Health Index
  Built-in Memory : Stores up to 720 records (1 month) of measurement data, warnings, and alarms
  Power Supply : Battery-powered, users can replace the battery.
  Battery Life : 3 years
  Weight : 39g (without the battery)
  Operating/Storage Temperature : -40~+85°C
  Dimension : 79x33x26mm
  Certification :



* Supports data uploading to the local MHm-P Health Management Platform (Optional).
* Supports exporting RMS and FFT data in JSON and CSV formats via mobile app.

Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm



- **Model** : 6000 Type X & Ex Px
  5500 Type Z & Ex Pz
- **Product** : Positive pressure controller
- **Ex Rating** : Ex Px/Pz,
  Class I, Div 1, Group A-D
  Class II, Div 1, Group E-G
- **Certification**

Compatible Enclosure Volume:
Max 7.1m³/Ft³



- **Model** : APAN7-1H-012C-S-25-200#-NSR-XNH
- **Product** : Ex D APA Pressure Switch
- **Ex Rating** : Ex d IIC T6/T5 Gb
  Ex tb IIIC T85/100°C Db
- **Operating Temperature** : -40~+74/+89°C
- **IP Rating** : IP67
- **Entry Hole** : 1/4" NPT
- **Dimension** : L38xW44xH145mm
- **Certification**:



- **Product** : Anti-Rust Insulating Oil
- **Operating Temperature** : -45~+250°C
- **Function** : Can be used as an electrical insulation, moisture-proof, sealing material, a viscous damping agent, defoamer, and release agent.
- **Material** : High-temperature resistant paste, neutral, mild, and non-irritating, with good water and oil repellency.
- **Feature** : Features oxidation, corrosion, and wear resistance with excellent durability, anti-fouling, and temperature resistance. Ideal for lubricating high-speed, high-, or low-temperature bearings and joints in explosion-proof enclosures and high-tech industrial equipment. Also suitable for O-ring sealing and electrical insulation.



- **Product** : Sealing Compound
- **Material** : Calcium carbonate hemihydrate
- **Unit** : 5lbs/can
- **Ex Rating** : Class I, Group B,C and D;
  Class II, Group E,F and G
- **Certification**:

Image shows one pack ▶



- **Product** : Duct Seal
- **Material** : Polyisobutylene compounds
- **Unit** : 5 sets/pack - Total weight: 5lbs
- **Function** : Used for gap filling of cables and conduits, switchboards
- **Certification** :



- **Product** : Packing Fiber
- **Ex Rating** : Class I, Group B,C,D;
  Class II, Group E,F,G
- **Function** : Ex powder and ex cotton suitable for piping systems to be used with sealing joints or junction boxes
- **Certification** :



- **Product** : Conductive Paste
- **Material** : Copper colloid
- **Unit** : 500g/can
- **Function** : Anti-corrosion, anti-rust, protection, lubrication and increase all electrical connections between conductivity

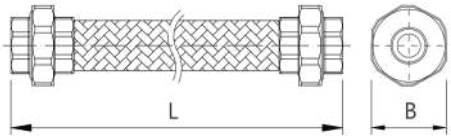


- **Product** : Ex Breather Drain
- **Material** : Stainless steel
- **Ex Rating** : Ex d IIB+H2 T4 Gb;
  Ex tb IIIC T85°C Db
- **Entry Hole** : 1/2" NPT
- **Oprating Temperature** : -20~+60°C

*** Must be used with an explosion-proof control enclosure**



- **Product** : Ex Flexible Conduit
- **Material** : Stainless steel
- **Ex Rating** : Ex eb IIC Gb;
  Ex tb IIIC Db
- **Note** : This product is a customized product, can not return after ordering. When ordering, please confirm the size, length, and side thread (external or internal)
- **Certification** :



Please contact our sales team for length requirements

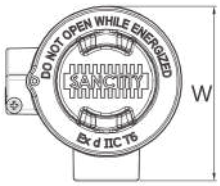
Size (Inch)	B	L
1/2"	40	300 ~ 1000
3/4"	50	
1"	55	
1 1/4"	65	
1 1/2"	75	
2"	90	
2 1/2"	105	
3"	120	

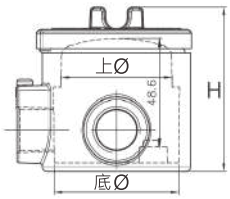
Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

- **Product** : Ex Junction Box
- **Material** : Aluminum alloy / Stainless steel
- **Ex Rating** : Ex d IIC T6 Gb,
  Ex tb IIIC T85°C Db
- **IP Rating** : IP66
- **Voltage** : AC600V
- **Operating Temperature** : -20~+40°C
- **Entry Hole** : $^{1}/_{2}$" NPT
- **Certification** :



Aluminum Alloy



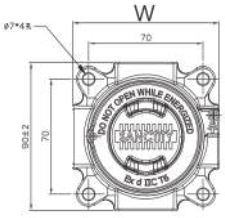


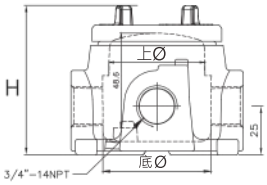
Aluminum Alloy Model No	Stainless Steel Model No	Bottom Hole	Total Hole Quantity	Shape	Internal Ø	W	H
SDEJ-BF2AL-C4	SDEJ-BF2SS-C4	No	2	One-line	Top 50 Bottom 56	89.7	74
SDEJ-BF2AL-L4	SDEJ-BF2SS-L4		2	L-Shape		78.7	
SDEJ-BF3AL-T4	SDEJ-BF3SS-T4		3	T-Shape		89.7	
SDEJ-BF4AL-X4	SDEJ-BF4SS-X4		4	X-Shape			
SDEJ-BH3AL-L4	SDEJ-BH3SS-L4	Yes	3	L-Shape		81	86
SDEJ-BH4AL-T4	SDEJ-BH4SS-T4		4	T-Shape		89.7	
SDEJ-BH5AL-X4	SDEJ-BH5SS-X4		5	X-Shape			

- **Product** : Ex Junction Box
- **Material** : Aluminum alloy
- **Ex Rating** : Ex d IIC T6 Gb,
  Ex tb IIIC T85°C Db
- **IP Rating** : IP66
- **Voltage** : AC600V
- **Operating Temperature** : -20~+40°C
- **Entry Hole** : $^{3}/_{4}$" NPT
- **Certification** :









Aluminum Alloy Model No	Bottom Hole	Total Hole Quantity	Shape	Internal Ø	W	H
SDEJ-BF2AL-C6	No	2	One-line	Upper 50 Below 56	90	77
SDEJ-BF4AL-X6		4	X-Shape			

- **Product** : Ex Compression-Type Cable Gland
- **Material** : Nickel-plated brass / copper
- **Ex Rating** : Ex db IIC Gb,
  Ex eb IIC Gb,
  Ex tb IIIC IP66 Db
- **Operating Temperature** : -20~+60°C
- **Thread** : NPT
- **Certification** :



Model No	Size (Inch)	Applicable Cables Ø (mm)
SDC-CPN04PN	$^{1}/_{2}$"	5.5~8
		8~10.5
		10.5~13
SDC-CPN06PN	$^{3}/_{4}$"	8~10.5
		10.5~13
		13~15.5
SDC-CPN08PN	1"	15~18
		18~21
		21~24
SDC-CPN12PN	1 $^{1}/_{2}$"	24~27
		27~30
		30~33

Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

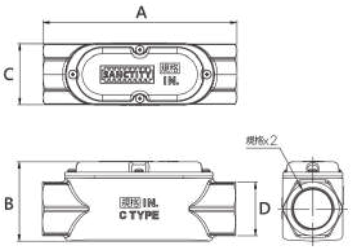
9-3 EXPLOSION-PROOF CONDUIT BODY - SEAO

SANCTITY
QUALITY / RELIABLE / FOCUS

- **SEAO Series**
  - **- Product** : Explosion-Proof Conduit Body
  - **- Ex Rating** : Ex eb IIC Gb, Ex tb IIIC Db
  - **- IP Rating** : IP66
  - **- Material** : Cast iron, stainless steel
  - **- Surface Finish** : Electro-galvanized, Hot-dip galvanized, Powder coated
  - **- Thread** : PT, NPT
  - **- Certification** :

C TYPE

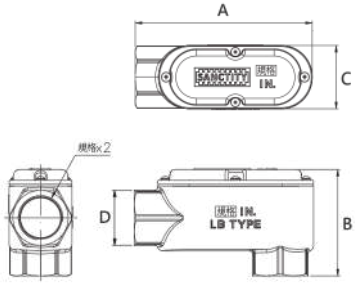




Type	Size (Inch)	Dimension (mm)			
		A	B	C	D
C Type	1/2"	145	50	38	H28
	3/4"	163	59	42	H32
	1"	193	69	46	H38
	1 1/4"	210	75	59	H50
	1 1/2"	248	92	70	H56
	2"	288	105	85	H72
	2 1/2"	328	133	102	H90
	3"	400	169	127	H110
	4"	482	190	171	H133

LB TYPE

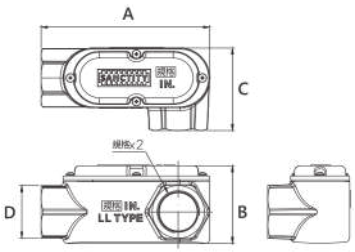




Model No	Size (Inch)	Dimension (mm)			
		A	B	C	D
LB Type	1/2"	126	70	38	H28
	3/4"	141	80	42	H32
	1"	167	95	46	H38
	1 1/4"	188	103	59	H50
	1 1/2"	219	121	70	H56
	2"	259	134	85	H72
	2 1/2"	290	174	102	H90
	3"	355	212	127	H110
	4"	438	235	171	H133

LL TYPE





Model No	Size (Inch)	Dimension (mm)			
		A	B	C	D
LL Type	1/2"	126	50	58	H28
	3/4"	141	59	63	H32
	1"	167	69	71	H38
	1 1/4"	188	75	87	H50
	1 1/2"	219	92	99	H56
	2"	259	105	115	H72
	2 1/2"	290	133	141	H90
	3"	355	169	174	H110
	4"	438	190	215	H133

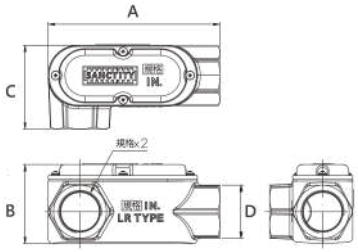
Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

EXPLOSION-PROOF CONDUIT BODY - SEAO 9-4

- **SEAO Series**
  - **- Product** : Explosion-Proof Conduit Body
  - **- Ex Rating** : Ex eb IIC Gb, Ex tb IIIC Db
  - **- IP Rating** : IP66
  - **- Material** : Cast iron, stainless steel
  - **- Surface Finish** : Electro-galvanized, Hot-dip galvanized, Powder coated
  - **- Thread** : PT, NPT
  - **- Certification** :

LR TYPE

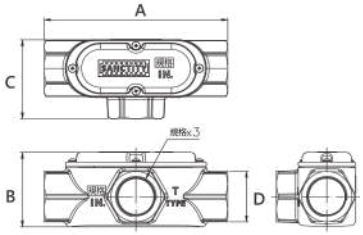




Model No	Size (Inch)	Dimension (mm)			
		A	B	C	D
LR Type	1/2"	126	50	58	H28
	3/4"	141	59	63	H32
	1"	167	69	71	H38
	1 1/4"	188	75	87	H50
	1 1/2"	219	92	99	H56
	2"	259	105	115	H72
	2 1/2"	290	133	141	H90
	3"	355	169	174	H110
	4"	438	190	215	H133

T TYPE

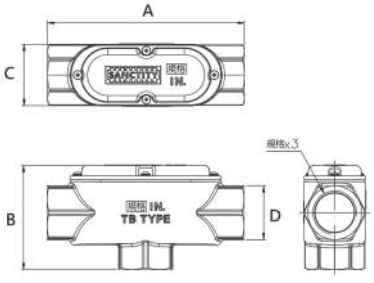




Model No	Size (Inch)	Dimension (mm)			
		A	B	C	D
T Type	1/2"	145	50	58	H28
	3/4"	163	59	63	H32
	1"	193	69	71	H38
	1 1/4"	210	75	87	H50
	1 1/2"	248	92	99	H56
	2"	288	105	115	H72
	2 1/2"	328	133	141	H90
	3"	400	169	174	H110
	4"	482	190	215	H133

TB TYPE





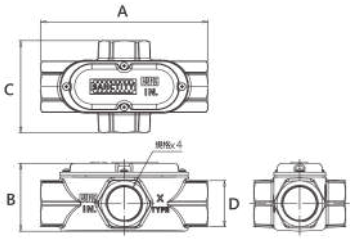
Model No	Size (Inch)	Dimension (mm)			
		A	B	C	D
TB Type	1/2"	145	70	38	H28
	3/4"	163	80	42	H32
	1"	193	95	46	H38
	1 1/4"	210	103	59	H50
	1 1/2"	248	121	70	H56
	2"	288	134	85	H72
	2 1/2"	328	174	102	H90
	3"	400	212	127	H110
	4"	482	235	171	H133

Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

- **SEAO Series**
  - **- Product** : Explosion-Proof Conduit Body
  - **- Ex Rating** : Ex eb IIC Gb, Ex tb IIIC Db
  - **- IP Rating** : IP66
  - **- Material** : Cast iron, stainless steel
  - **- Surface Finish** : Electro-galvanized, Hot-dip galvanized, Powder coated
  - **- Thread** : PT, NPT
  - **- Certification** :

X TYPE





Model No	Size (Inch)	Dimension (mm)			
		A	B	C	D
X Type	1/2"	145	50	78	H28
	3/4"	163	59	84	H32
	1"	193	69	96	H38
	1 1/4"	210	75	115	H50
	1 1/2"	248	92	128	H56
	2"	288	105	145	H72
	2 1/2"	328	133	180	H90
	3"	400	169	221	H110
	4"	482	190	258	H133

- **SDAS Series**
  - **- Product** : Explosion-Proof Conduit Fittings
  - **- Ex Rating** : Ex d IIC Gb, Ex tb IIIC Db
  - **- IP Rating** : IP66
  - **- Material** : Cast iron, stainless steel
  - **- Surface Finish** : Electro-galvanized, Hot-dip galvanized, Powder coated
  - **- Thread** : NPT
  - **- Certification** :

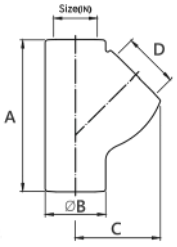
Must be installed with explosion-proof sealing compound / packing fiber (Refer to P.9-1)

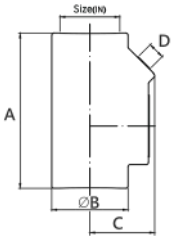
YS Type
Vertical use only
1/2" ~ 1"



YB Type
Vertical/horizontal use
1/2" ~ 4"







Model No	Size (Inch)	Dimension (mm)			
		A	ØB	C	D
YS Type	1/2"	84	32	43	3/4"
	3/4"	93	38	52	1"
	1"	115	46	65	1-1/4"
YB Type	1/2"	84	32	30	1/4"
	3/4"	93	38	33	
	1"	115	46	42	3/8"
	1 1/4"	134	56	49	1/2"
	1 1/2"	143	61	54	
	2"	172	76	61	
	2 1/2"	200	90	76	3/4"
	3"	215	108	84	
	4"	250	133	97	

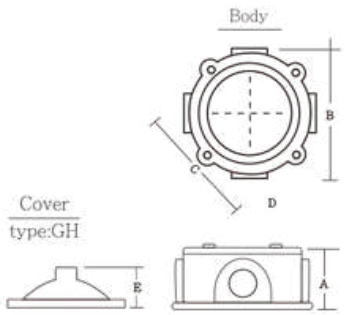
- **- Product** : Explosion-Proof Conduit Fittings
- **- Material** : Cast iron
- **- Surface Finish** : Electro-galvanized
- **- Thread** : NPT

GH



GX





Model No	Size (Inch)	Dimension (mm)				
		A	B	C	D	E
GH Type	1/2"	49	124	145	9	33
	3/4"					
	1"	59	127	153		
GX Type	1/2"	49	124	145		
	3/4"					
	1"	59	127	153		

Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

- **SDAA/SDAR Series**
  - **Product** : SDAA Small-to-Large Adaptor
    SDAR Large-to-Small Adaptor
  - **Ex Rating** : Ex db IIC Gb, Ex eb IIIC Gb
    Ex tb IIIC Db IP66
  - **IP Rating** : IP66
  - **Product Material** : Stainless steel/
    Copper-plated nickel
  - **Gasket Material** : Teflon
  - **Thread** : NPT, PT, M
  - **Certification** :

SDAA SDAR



SDAA
Small-to-Large Adaptor



SDAR
Large-to-Small Adaptor

Internal Thread

Metric

External Thread / Metric	M16	M20	M25	M32	M40	M50	M63	M75	M90	M100
M16	M16M16	M16M20	M16M25	M16M32						
M20	M20M16	M20M20	M20M25	M20M32	M20M40					
M25	M25M16	M20M20	M25M25	M25M32	M25M40	M25M50				
M32	M32M16	M32M20	M32M25	M32M32	M32M40	M32M50	M32M63			
M40	M40M16	M40M20	M40M25	M40M32	M40M40	M40M50	M40M63	M40M75		
M50	M50M16	M50M20	M50M25	M50M32	M50M40	M50M50	M50M63	M50M75	M50M90	
M63	M63M16	M63M20	M63M25	M63M32	M63M40	M63M50	M63M63	M63M75	M63M90	M63M100
M75		M75M20	M75M25	M75M32	M75M40	M75M50	M75M63	M75M75	M75M90	M75M100
M90			M90M25	M90M32	M90M40	M90M50	M90M63	M90M75	M90M90	M90M100
M100				M100M32	M100M40	M100M50	M100M63	M100M75	M100M90	M100M100

NPT/PT

External Thread / NPT/PT	M16	M20	M25	M32	M40	M50	M63	M75	M90	M100
3/8"	N03M16	N03M20	N03M25	N03M32						
1/2"	N04M16	N04M20	N04M25	N04M32	N04M40					
3/4"	N06M16	N06M20	N06M25	N06M32	N06M40	N06M50				
1"	N08M16	N08M20	N08M25	N08M32	N08M40	N08M50	N08M63			
1 1/4"	N10M16	N10M20	N10M25	N10M32	N10M40	N10M50	N10M63	N10M75		
1 1/2"	N12M16	N12M20	N12M25	N12M32	N12M40	N12M50	N12M63	N12M75	N12M90	
2"	N16M16	N16M20	N16M25	N16M32	N16M40	N16M50	N16M63	N16M75	N16M90	N16M100
2 1/2"		N20M20	N20M25	N20M32	N20M40	N20M50	N20M63	N20M75	N20M90	N20M100
3"			N24M25	N24M32	N24M40	N24M50	N24M63	N24M75	N24M90	N24M100
3 1/2"				N28M32	N28M40	N28M50	N28M63	N28M75	N28M90	N28M100
4"					N32M40	N32M50	N32M63	N32M75	N32M90	N32M100

NPT/PT

Internal Thread / NPT/PT	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"
M16	M16N03	M16N04	M16N06	M16N08							
M20	M20N03	M20N04	M20N06	M20N08	M20N10						
M25	M25N03	M25N04	M25N06	M25N08	M25N10	M25N12					
M32	M32N03	M32N04	M32N06	M32N08	M32N10	M32N12	M32N16				
M40	M40N03	M40N04	M40N06	M40N08	M40N10	M40N12	M40N16	M40N20			
M50	M50N03	M50N04	M50N06	M50N08	M50N10	M50N12	M50N16	M50N20	M50N24		
M63	M63N03	M63N04	M63N06	M63N08	M63N10	M63N12	M63N16	M63N20	M63N24	M63N28	M63N32
M75		M75N04	M75N06	M75N08	M75N10	M75N12	M75N16	M75N20	M75N24	M75N28	M75N32
M90			M90N06	M90N08	M90N10	M90N12	M90N16	M90N20	M90N24	M90N28	M90N32
M100				M100N08	M100N10	M100N12	M100N16	M100N20	M100N24	M100N28	M100N32

NPT/PT

External Thread / NPT/PT	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"
3/8"	N03N03	N03N04	N03N06	N03N08							
1/2"	N04N03	N04N04	N04N06	N04N08	N04N10						
3/4"	N06N03	N06N04	N06N06	N06N08	N06N10	N06N12					
1"	N08N03	N08N04	N08N06	N08N08	N08N10	N08N12	N08N16				
1 1/4"	N10N03	N10N04	N10N06	N10N08	N10N10	N10N12	N10N16	N10N20			
1 1/2"	N12N03	N12N04	N12N06	N12N08	N12N10	N12N12	N12N16	N12N20	N12N24		
2"	N16N03	N16N04	N16N06	N16N08	N16N10	N16N12	N16N16	N16N20	N16N24	N16N28	N16N32
2 1/2"		N20N04	N20N06	N20N08	N20N10	N20N12	N20N16	N20N20	N20N24	N20N28	N20N32
3"			N24N06	N24N08	N24N10	N24N12	N24N16	N24N20	N24N24	N24N28	N24N32
3 1/2"				N28N08	N28N10	N28N12	N28N16	N28N20	N28N24	N28N28	N28N32
4"					N32N10	N32N12	N32N16	N32N20	N32N24	N32N28	N32N32

- **SDAP Series**
  - **Product** : Explosion-proof Plug
  - **Ex Rating** : Ex db IIC Gb, Ex eb IIIC Gb
    Ex tb IIIC Db IP66
  - **IP Rating** : IP66
  - **Product Material** : Stainless steel / Copper-plated nickel / galvanized iron
  - **Gasket Material** : Teflon
  - **Thread** : NPT, M
  - **Certification** :

NS / NR	
Size (Inch)	
1/4" - 18NPT	1 1/2" - 11 1/2NPT
3/8" - 18NPT	2" - 11 1/2NPT
1/2" - 14NPT	2 1/2" - 8NPT
3/4" - 14NPT	3" - 8NPT
1" - 11 1/2NPT	3 1/2" - 8NPT
1 1/4" - 11 1/2NPT	4" - 8NPT

MS/MR/MH/MC	
Size (Metric)	
M16 x P1.5	M50 x P1.5
M20 x P1.5	M63 x P1.5
M25 x P1.5	M75 x P1.5
M32 x P1.5	M90 x P2.0
M40 x P1.5	M100 x P2.0



Hex Socket Ex Plug
NS/MS Type



Tamper-Proof Hex Socket Ex Plug
NR/MR Type



Hex Head Explosion-Proof
Plug MH Type



Hex Socket Dome Ex Plug
MC Type

10-1 WIRELESS COMMUNICATION SYSTEM

SANCTITY
QUALITY / RELIABLE / FOCUS



aXTion Extreme
EX D IPAD MINI A17 PRO

The industrial casing, which is a pioneer in rigorously tested and certified to IECEx, ATEX, and TS standards, is paired with a safe and stable iPad mini. Ideal for deployment in Zone 1/Zone 21 hazardous areas - built to withstand harsh challenges and empower your high-efficiency tasks.

- **Ex Rating** : Ex db IIC T6 Gb, Ex tb IIIC T85°C Db (IECEx)
  Ex II 2G Ex db IIC T6 Gb, Ex II 2D Ex tb IIIC T85°C Db (ATEX)
- **Vibration Resistance Grade** : MIL-STD-810H
- **IP Rating** : IP68
- **Applicable Area** : Zone1, Zone2, Zone21, Zone22
- **Model Options** : iPad mini Model A2993 (A17 Pro) with Wi-Fi
  iPad mini Model A2995 (A17 Pro) with Wi-Fi + Cellular
- **Storage Options** : 128GB, 256GB, 512GB
- **Dimension** : 24.8x19.2x2.7 cm
- **Weight** : 1103g
- **Certification** :

PERSONNEL SAFETY & CARE SYSTEM



Receives local positioning and GPS signals, combined with heart rate detection and man-down (immobility) monitoring, and transmits data to the backend via 4G.

- Related Functions: GPS navigation, Heart rate detection, Pedometer, stationary warning, Emergency SOS button ,Timing, Bluetooth 5.2, Vibration motor, Buzzer, Voice call.

- **Product** : 4G Intrinsically Safe Smartwatch
- **Ex Rating** : Ex ic IIC T6 Gc
- **IP Rating** : IP67
- **Positioning method** : GPS and BLE Beacon tracking
- **Bluetooth** : 5.2
- **Power Supply** : 4.2V 920mAh Battery, USB Magnetic Charging
  (Provides up to 8 hrs of standard operation under strong 4G coverage)
- **Dimension** : 74.3x51.7x22mm
- **Weight** : 105g
- **Certification** :

Continuously broadcasts locator information via Bluetooth, primarily serving as on-site auxiliary positioning. It assists in tracking personnel location in GPS-denied environments and confined spaces, enables geofencing, and effectively controls access.



- **Product** : Intrinsically Safe Beacon
- **Ex Rating** : Ex ia IIC T6 Ga
- **IP Rating** : IP68
- **Operating Temp.** : -20~+70°C
- **Battery Life** : 5 years
- **Dimension** : ~100x120x37mm
- **Weight** : 300g
- **Certification** :



Worn on personnel to continuously receive local beacon and GPS signals, transmitting tracking routes to the backend via 4G.

Features include GPS positioning, immobility/man-down alert, Emergency SOS button, emergency recall, Bluetooth 5.2, vibration motor, and buzzer.
* Voice call feature is **NOT** supported on this model.

- **Product** : 4G Intrinsically Safe Locator
- **Ex Rating** : Ex ia IIC T6 Gc
- **IP Rating** : IP67
- **Communication** : LTE 1800MHz / 2100MHz / 2600MHz
- **GPS Tracking** : L1, BLE
- **Power Supply** : 920mAh Battery, Type-C Charging
  (Up to 8-hour battery life under good 4G)
- **Dimension** : ~103.5 x 62.5 x 13.3 mm
- **Weight** : 80g
- **Certification** :

SANCTITY
QUALITY / RELIABLE / FOCUS

WIRELESS DEVICE SYSTEM 10-2

The MOTOTRBO ATEX two-way radios from Motorola offer high-quality communications, with comprehensive user safety in mind and industry-leading ATEX specifications, ideal for use in environments with potential explosive gas and dust hazards.

XiR P8668 Ex: Features a full keypad and large color display, supporting advanced functions like text messaging and caller ID.

XiR P8608 Ex: Rugged, durable, and easy to use; non-display model.



Xi R P8668 E x

- **Product** : Ex Portable Two-Way Radio with Display
- **Ex Rating** : Ex ib IIC T4 Gb, Ex ib IIIC T130°C Db
- **IP Rating** : IP67
- **Frequency Band** : UHF B1 (403-470), VHF (136-174)
- **Regional Capacity** : 250
- **Max Number of Channels** : 1000
- **Power Supply** : 7.4V
- **FCC/IC Information** : UHF B1 (ABZ99FT4091), VHF (ABZ99FT3089)
- **Programmable Buttons** : 5
- **Operating Temp.** : -20~+55°C
- **Battery Life** : Analog mode - 16 hours, Digital mode - 19 hours
- **Dimension** : 138.5x56.7x39.8mm
- **Certification** :



- **Product** : Ex Portable Two-Way Radio (No Display)
- **Ex Rating** : Ex ib IIC T4 Gb, Ex ib IIIC T130°C Db
- **IP Rating** : IP67
- **Frequency Band** : UHF B1 (403-470), VHF (136-174)
- **Regional Capacity** : 2
- **Max Number of Channels** : 32
- **Power Supply** : 7.4V
- **FCC/IC Information** : UHF B1 (ABZ99FT4091), VHF (ABZ99FT3089)
- **Programmable Buttons** : 3
- **Operating Temp.** : -20~+55°C
- **Battery Life** : Analog mode - 16 hours, Digital mode - 19 hours
- **Dimension** : 138.5x56.7x37.8mm
- **Certification** :



Smart - Ex02

- **Product** : Intrinsically Safe Mobile Phone
- **Ex Rating** : Ex ib op is IIC T4 Gb, Ex ib op is IIIC T120°C Db
- **IP Rating** : IP64
- **Operating Temp.** : -20~+60°C
- **Dimension** : 163x82x22mm
- **Weight** : 380g
- **RAM Capacity** : 3GB
- **Memory** : 32GB
- **Certification** :



Tab - Ex02

- **Product** : Intrinsically Safe Smart Tablet
- **Ex Rating** : Ex ic IIC T5 Gc, Ex ic IIIB T100°C Db
- **IP Rating** : IP64
- **Operating Temp.** : -20~+55°C
- **Dimension** : 214.7x127.6x9.9mm
- **Weight** : 575g
- **RAM Capacity** : 3GB
- **Memory** : 16GB
- **Certification** :

This model runs on the Android operating system, and Microsoft OS products are also available.

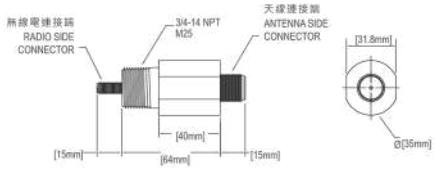
- Explosion-proof wireless access points provide cost-effective wireless connectivity in hazardous areas. This is not merely an enclosure, but certified with a system.
- The Point Enclosure system features intrinsically safe RF outputs and is specifically engineered for deploying wireless networks in hazardous locations, built upon concepts from leading WLAN vendors such as Cisco, Aruba, and Siemens.
- The RF outputs of these explosion-proof wireless access points are galvanically isolated to ensure intrinsic safety. They are compatible with wireless APs from various major brands and allow the use of non-certified antennas alongside the explosion-proof wireless equipment.



- **Product** : Ex D Wireless Base
- **Ex Rating** : Ex db mb [ia Ma] I Mb, Ex db mb [ia Ga] IIA/IIB/IIC T5/T6 Gb, Ex mb tb [ia Da] IIIC T80/100°C Db
- **IP Rating** : IP64
- **Voltage** : AC120/230V
- **Max. Power Consumption** : Basic configuration - 25W, With band heater - 125W
- **Certification** :



- **Product** : Explosion-proof (Antenna) Coupler
- **Ex Rating** : Ex db mb [ia Ma] I Mb, Ex db mb [ia Ga] IIA/IIB/IIC T5/T6 Gb, Ex mb tb [ia Da] IIIC T80/100°C Db
- **Protection Rating** : NEMA 4X
- **Operating Temp.** : -40~+65/+85°C
- **Voltage** : AC250V/DC250V
- **Weight** : 0.32kg
- **Certification** :



Reminder: Dimensions are for reference only, actual product measurements shall prevail | Unit of Measurement: mm

GTD-2000Tx Smart Diffusion Oxygen & Toxic Gas Detector

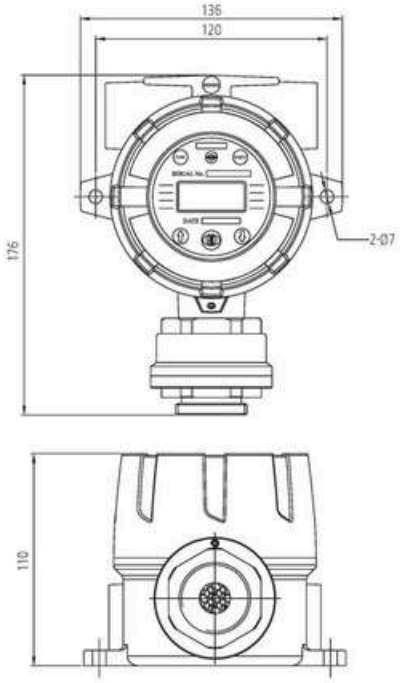
| Continuous detection of toxic gases and oxygen in explosion hazardous area with flame proof structure | Self diagnosis function with built-in Microprocessor | Excellent selectivity by adapting detection principle only for toxic gases & oxygen | Superior performance for detecting toxic gases below TLV | Multi functions and high quality with low cost of ownership | Built-in back light LCD or OLED display | Easy configuration of monitoring system by HART communication | Auto calibration and program setting with a magnet bar | 4-20mA (Current source or Sink) output signal | With the alarm unit - Normal - Green LED - Alarm - Red LED, Buzzer(95 dB) - Trouble - Yellow LED -Calibration and maintenance by one-man |

IMAGE





DIMENSION (Unit : mm)



ACCESSORIES


Cable Gland


GTL-100


Rain cover


Splash guard


Collecting-cone


HART Module

SPECIFICATION

※ Specifications are subject to be changed without prior notice.

SMART & LOCAL DISPLAY TYPE OXYGEN & TOXIC GAS DETECTOR	
Model	GTD-2000Tx
Measuring gas	O2 / Toxic gases (CO, CL2, NH3 & etc)
Measuring type	Diffusion type
Measuring method	Electrochemical cell, Semiconductor cell
Measuring range	Refer to Toxic Gas Measuring Range
Response time	Dependent on the sensor
Accuracy	±3% / Full scale
Parameter control	Non intrusive control with a Magnet bar (calibration, maintenance)
Operation mode display	1-LED (Power)
Measuring value display	LCD display (Built in back light 2-Line, 8 characters) / OLED Type (Option)
Output signal	Analog : Measuring signal : 4-20mA DC Maintenance signal : 4mA DC Calibration signal : 3mA DC Fault signal : 0mA DC Digital : 2mA (HART 7, HART Device Description Language available, Option)
Material	Housing : ALDC, SUS316(Option) / Sensor : SUS316
Conduit connection	Standard : PF 3/4" Option : NPT 1/2", NPT3/4", M20 x 1.5P, M25 x 1.5P
Mounting type	2" Pole mount, Wall mount, Duct mount
Operating temperature	-40℃ ~ +80℃
Operating humidity	5 ~ 99%.RH (non-condensing)
Dimensions	136(W) x 176(H) x 110(D)mm
Weight	1.5kg

CERTIFICATION			
KCs	Ex tD A21 IP66 T85℃, Ex d IIC T6, T4	ATEX / IECEx	Ex db IIC Gb T6, T4
NEPSI	Ex d IIC T6 Gb	UL	Class I, Division 1, Groups A.B.C.D
KR / MED / ABS / BV / DNV / HART / SIL 2 / KC / CE / PESO / TRCU ex / CPA			Refer to website

GTD-2000Ex Smart Diffusion Flammable Gas Detector

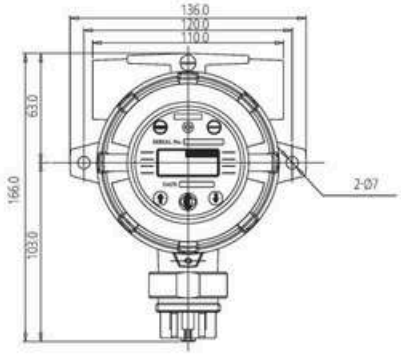
| Continuous detection of flammable gases in explosion hazardous area with flame proof structure | Self diagnosis function with built-in Microprocessor | Detection gas from low to high concentration owing to various detection principle | Stable quality and proved detection principle for service life | Built-in back light LCD or OLED display | Easy Configuration of monitoring by HART communication | Auto calibration and program setting with a magnet bar | 4-20mA (Current source or Sink) output signal | With the alarm unit - Normal : Green LED - Alarm : Red LED, Buzzer(95 dB) - Trouble : Yellow LED | Calibration and maintenance by one-man |

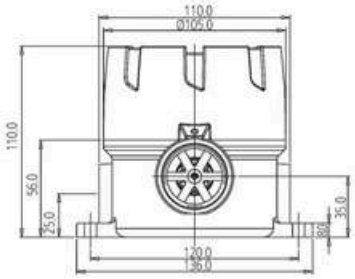
IMAGE





DIMENSION (Unit : mm)





ACCESSORIES


Cable Gland


GTL-100


Rain cover


Splash guard


Collecting-cone


HART Module

SPECIFICATION

※ Specifications are subject to be changed without prior notice.

SMART & LOCAL DISPLAY TYPE FLAMMABLE GAS DETECTOR			
Model	GTD-2000Ex		
Measuring gas	Flammable gases (LNG, LPG, H2, Methane, Buthane & etc)		
Measuring type	Diffusion type		
Measuring method	Catalytic cell	Hot wire semiconductor cell	Thermal conductivity cell
Measuring range	0~100% LEL	0~2000ppm	0~100% Vol
Response time	< 15sec / 90% scale		
Accuracy	±3% / Full scale		
Parameter control	Non intrusive control with a Magnet bar (calibration, maintenance)		
Operation mode display	1-LED (Power)		
Measuring value display	LCD display (Built in back light 2-Line, 8 characters) / OLED Type (Option)		
Output signal	Analog : Measuring signal : 4-20mA DC Calibration signal : 3mA DC Fault signal : 0mA DC Digital : 2mA (HART 7, HART Device Description Language available, Option)		
Material	Housing : ALDC, SUS316(Option) / Sensor : SUS316		
Conduit connection	Standard : PF 3/4" Option : NPT 1/2", NPT3/4", M20 x 1.5P, M25 x 1.5P		
Mounting type	2" Pole mount, Wall mount, Duct mount		
Operating temperature	-40℃ ~ +80℃		
Operating humidity	5 ~ 99% RH (non-condensing)		
Dimensions	136(W) x 166(H) x 110(D)mm		
Weight	1.5kg		

CERTIFICATION			
KCs	Ex tD A21 IP66 T85℃, Ex d IIC T6, T5, T4	ATEX / IECEx	Ex db IIC Gb T6, T5, T4
NEPSI	Ex d IIC T5 Gb	UL	Class I, Division 1, Groups A.B.C.D
CE / KC / MED / KR / ABS / BV / DNV / HART / SIL2 / PESO / TRCU ex / CPA			Refer to website

10-5 EX-PROOF BEACON SOUNDER

SANCTITY
QUALITY / RELIABLE / FOCUS

防爆聲光警報器 Explosion Proof LED Beacon Sounder

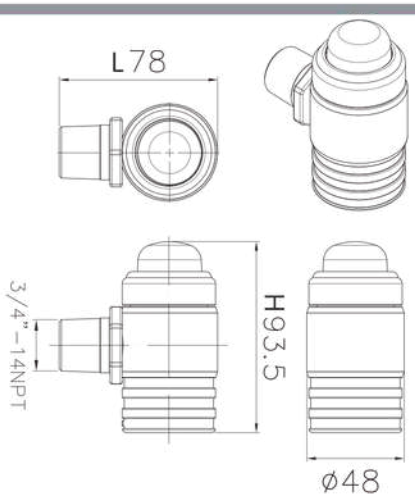
Model:SDEB-BZD24-00

- Warning Light for Gas Detection Systems
- Designed for local instrument alarm output.
- Features a built-in buzzer delivering over 85 dB within 3m.

IMAGE



DIMENSION (Unit : mm)

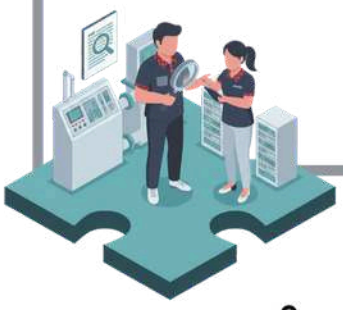


** Dimensional Tolerance ±5%
** Actual product measurements shall prevail.

SPECIFICATION

Ex Rating	: Ex db IIC T6 Gb Ex tb IIIC T85°C Db	External Size	: L78 x 48 x H93.5
Operating Temp.	: -20~+40°C	Power	: DC24V
Applicable Area	: Hazardous Area - Zone 1, 2 & Zone 21, 22	Material	: Stainless steel, the lampshade is made of PC
		Entry Hole	: 3/4" - 14NPT
		Certification	:

代送認證服務 Ex Certification Service



Request For Consultation ▶ Product Evaluation & Quotation ▶ Document Coordination ▶ Delivery & Follow-up ▶ Certificate Acquisition



SanTzuoo Corporation (Sanctity) offers a comprehensive "Turnkey Certification Service" to solve challenges such as imported equipment lacking local safety labels, missing/damaged legacy labels, or upgrading products to explosion-proof specifications. Experienced with international standards including CNS, IECEx, UL, and ATEX, we help you navigate complex regulatory and testing hurdles to quickly achieve compliance, ensuring your products are legally certified and ready for deployment in high-risk environments locally and globally.

SANCTITY
QUALITY / RELIABLE / FOCUS

智慧防爆整合服務
Smart Explosion-Proof Solutions



Comprehensive Smart Safety & Security Solutions

智慧安防 360° 完整解決方案

3 Modules / Seamless Collaboration / Smart Disaster Prevention.

ENVIRONMENTAL HEALTH & SAFETY MANAGEMENT SYSTEM

Smart Inspection, ISO-Compliant, Effectively Implementing PDCA

Systematically conduct inspections with real-time mobile reporting. Automated deficiency assignment and reminders streamline cross-departmental collaboration.

Designed specifically for enterprise EHS management, this smart inspection system covers SOP implementation, defect tracking, and audit report aggregation. It integrates improvement records, data retention, and safety management workflows.

More than an inspection tool - it is your trusted safety management assistant!



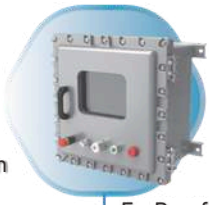
SAFETY COMMAND CENTER – EXPLOSION-PROOF IPAD MINI

The compact explosion-proof tablet (iPad mini) is custom-designed for operators, field engineers, equipment inspectors, safety managers, and technicians. It enables real-time field inspection, data logging, and anomaly reporting to build a fully secure, smart explosion-proof environment.

Key Enabling Tools -
EXPLOSION-PROOF ELECTRICAL EQUIPMENT



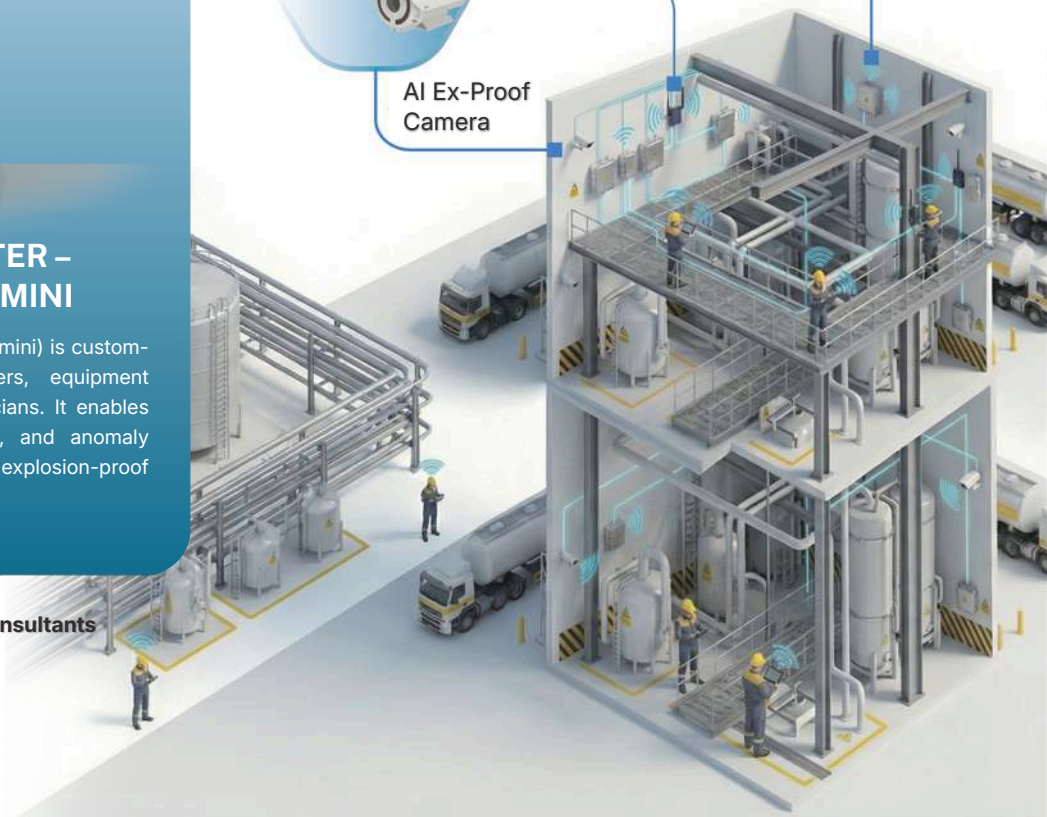
Ex-Proof Wireless Base Station



Ex-Proof HMI Interface Enclosure



AI Ex-Proof Camera



Contact Sanctity's Ex-Proof Consultants
+886-7-226-8736