

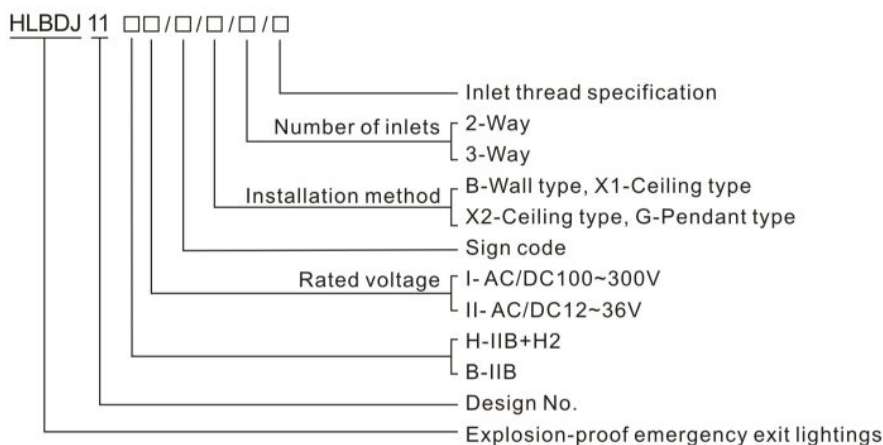
HLBDJ11-Series Explosion-proof Emergency Exit Lightings

1 Application and Features

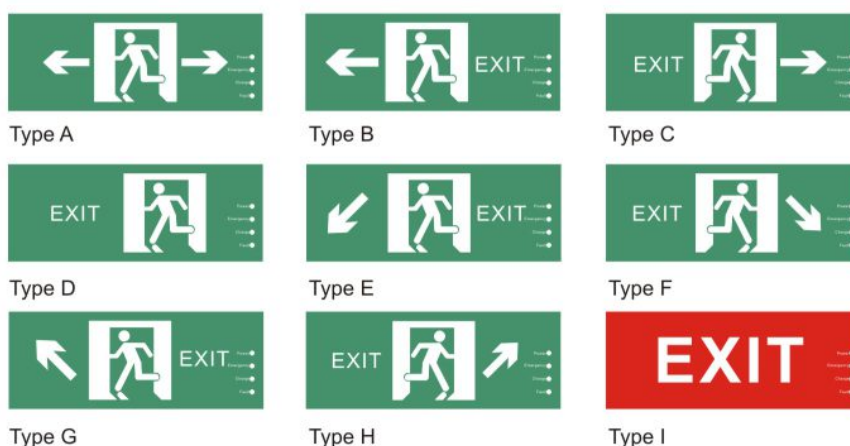
- Explosion protection
 - IECEx (IEC)
 - ATEX (CENELEC, EN)
 - China Ex(GB)
- Application in hazardous area
 - Zone 1 and Zone 2,
 - Zone 21 and Zone 22
- Continuous light, with built-in maintenance-free battery pack, automatically charging, and automatically switch to battery power supply when power source cut off or in emergency situation.
- LED light source, low power consumption, long service life.



2 Nomenclature



3 Guide sign

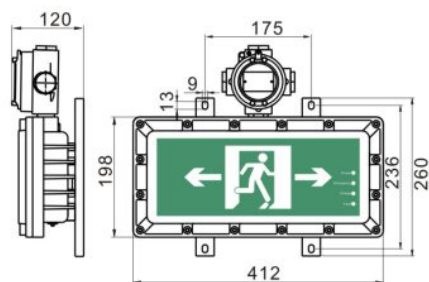


HLBDJ11-Series Explosion-proof Emergency Exit Lightings

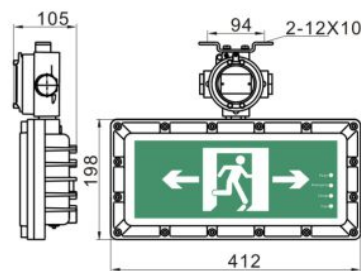
4 Nomenclature

Ex marking	Gas	Ex II 2 G Ex db IIB T6 Gb,	Ex db IIB T6 Gb,	Ex d IIB T6 Gb,
	Dust	Ex II 2 G Ex db IIB+H2 T6 Gb	Ex db IIB+H2 T6 Gb	Ex d IIB+H2 T6 Gb
		Ex II 2 D Ex tb IIIC T80°C Db	Ex tb IIIC T80°C Db	Ex tD A21 IP66/67 T80°C Db
Conformity to standards		IEC60079-0, IEC60079-1, IEC60079-31 EN60079-0, EN60079-1, EN60079-31 GB3836.1, GB3836.2, GB12476.1, GB12476.5		
Structure, Material	Enclosure	Aluminum alloy enclosure, powder coated, industrial grey with dark lines texture (RAL7035)		
	Transparent cover	Tempered glass, resistant to 4J impact		
	Guide sign	9 signs, and customizable		
	Control module	With overcharge, overdischarge, short circuit protection and others.		
	Self-check function	With self-checking function, automatic discharge once per month, emergency working for 120seconds, and automatically back to main power supply. Annual self-checking function, automatically switch to emergency state and run over the battery, then automatically back to main power supply and charge the battery. The fault will automatically alert with light and sound.		
	Exposed fastener	Stainless steel		
Light source		LED		
Rated voltage		100~300V AC/DC, 12~36V AC/DC		
Emergency unit voltage		DC3.0~3.5V		
Emergency working time		≤180 min		
Charging time		<24h		
Frequency		50/60Hz		
Rated voltage		≤6W		
Degree of protection		IP66, IP67		
Ambient temperature		-40℃ ~ +55℃/60℃		
Terminal block		3X1.5~4mm ² (L+N+PE)		
Cable entries		M20X1.5、M25X1.5、NPT1/2、NPT3/4		
Available cable outer diameter (mm)		φ 10~φ 14(mm)		
Weight		Wall type (B): 7kg, Ceiling type (X1): 6.6kg, Ceiling type (X2): 6.8kg, Pendant type (G): 6.6kg		

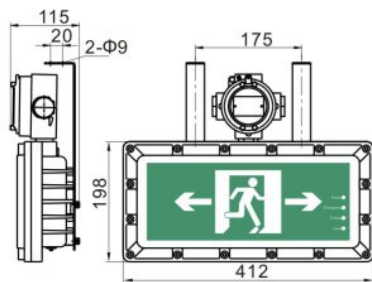
5 Outline and Installation Dimension (Dimensions in mm)



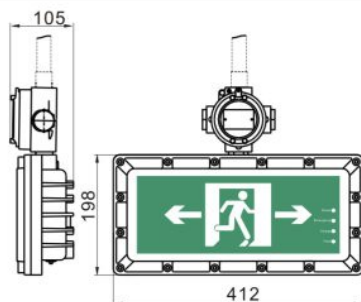
Wall type (B)



Ceiling type (X1)



Ceiling type (X2)



Pendant type (G)