SPECIFICATIONS

[1.General Specifications]

Product Name		Explosion-proof Signal Tower	
Model		EDLR-302F	EDLR-3M2F
Rated Voltage		24V DC	100-240V AC (50/60Hz)
Operating Voltage Range		Rated Voltage ±10%	90-250V AC (50/60Hz)
Rated Current Consumption *1	Max.	0.14A	0.09A
Rated Power Consumption *1	Max.	3.9W	4.0W
Operating Ambient Temperature		-20℃ to +50℃	
Operating Ambient Humidity		Less than 90% (No condensation)	
Storage Ambient Temperature		-30℃ to +60℃	
Storage Ambient Humidity		Less than 90% (No condensation)	
Mounting Location		Indoor & Outdoor	
Mounting Direction		Upright	
Protection Rating		IP66 (IEC 60529) *2	
	Environmental Condition	Upright	
Vibration Resistance		10m/s² (JIS C 60068-2-6 : 2010)	
	Environmental Condition	Upright	
Insulation Resistance		More than 1MΩ at 500V DC between live part and non-current carrying metallic part	
Withstand Voltage		VAC applied for 1min between live part and non-current carrying metallic part without breaking insulation	
		500V AC	1500V AC
Flashing Rate		60±2 flashes per minute	
Mass (Tolerance ±10%)		9kg	
Outer Dimensions		Refer to [3.Outer Drawing]	
Conformity Standards		IEC 60079-0 : 2017 (Ed.7) and IEC 60079-1 : 2014 (Ed.7) EN IEC 60079-0 and EN IEC 60079-1 RoHS Directive (EN50581), ATEX Directive 2014/34/EU	
Explosion-proof Specifications	Ex mark	IECEx - Ex db ⅡB+H₂ T6 Gb ATEX - ⟨Ex⟩ Ⅱ 2 G Ex db ⅡB+H₂ T6 Gb	
	Explosion-proof Zone	Zone 1 (Class Ⅰ hazardous locations) Zone 2 (Class Ⅱ hazardous locations)	
Remarks		*1 Characteristics may vary from specifications. *2 Protection Rating based on in-house evaluation, not IECEx/ATEX certified. There are no contents of controlled substances exceeding the threshold for the RoHS Directive.	

[2.Model]

Model Number Configuration

E D L R - 3 [0 2] F - [R Y G] - E
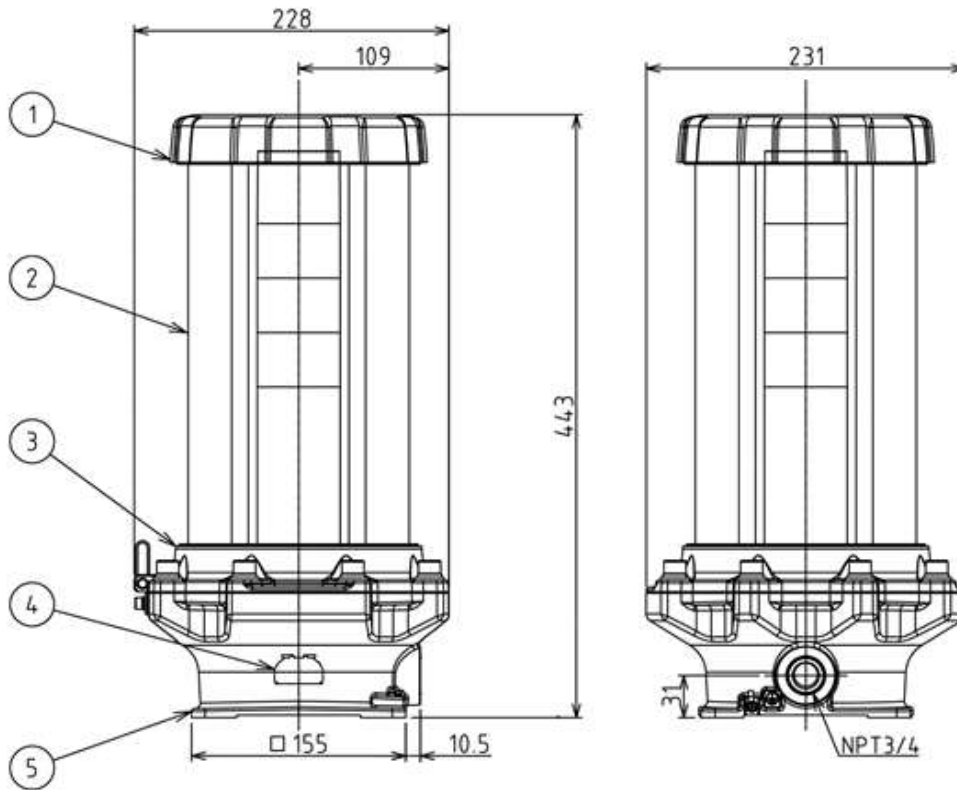
■Rated Voltage
02：24V DC
M2：100-240V AC

■LED Uint Color
R：Red
Y：Amber
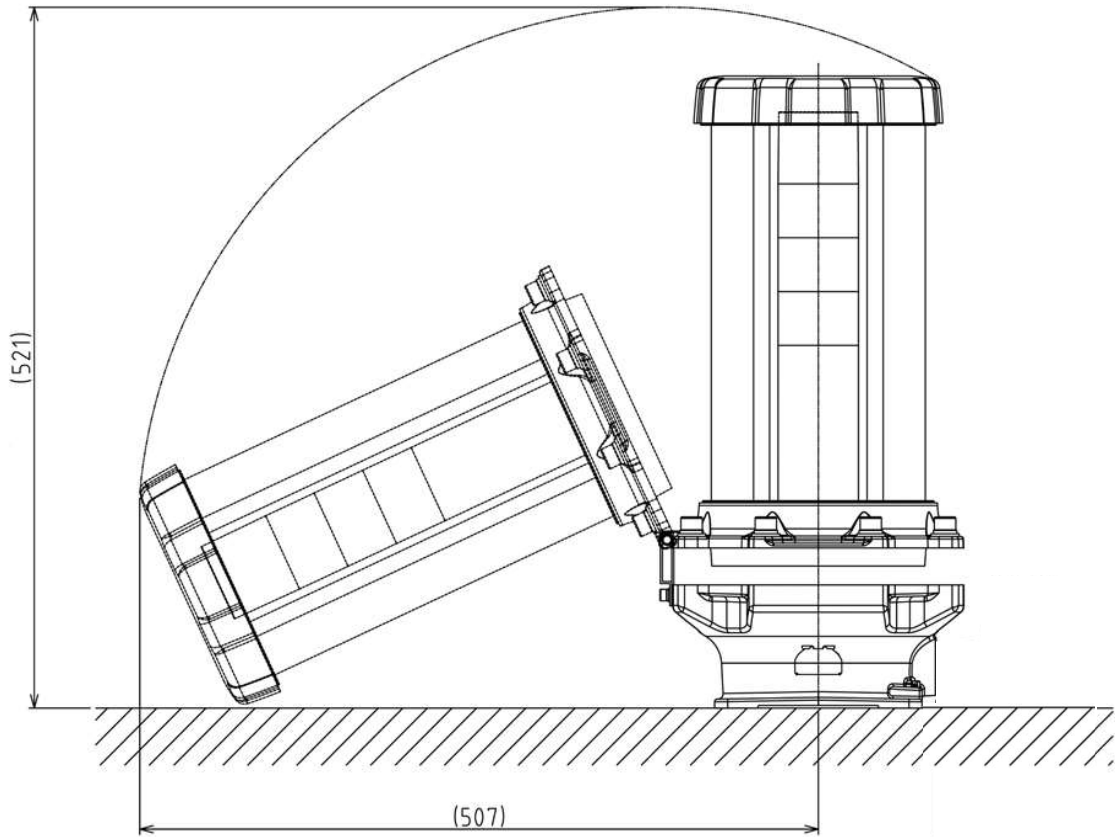G：Green

[3.Outer Drawing]

3.1 Outer Dimension Drawing

[mm]

No.	Name	Material
1	Head Cover	ADC12
2	Glass Globe	Hard glass
3	Body A	ADC12
4	Screwless Terminal	-
5	Body B	ADC12

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3.2 Required Space Drawing when Wiring

[mm]

(521)

(507)

[4.Mounting Dimensional Drawing]

[mm]

Mounting Hole
4－∅9

130

130
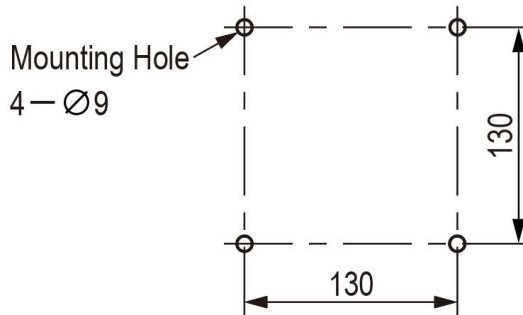
Bolt/Nut
M8 × 4 places
※Bolt/Nut not Included.

Recommended Tightening Torque
12.3N・m

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[5.Wiring Drawing]

■EDLR-302F

FC : Common for Flashing
- : Empty
R : Red
A : Amber
G : Green
E : Earth Ground

Do not apply voltage!

■EDLR-3M2F

FC : Common for Flashing
CC : Common for Lighting
R : Red
A : Amber
G : Green
E : Earth Ground

Do not apply voltage to other than power supply wire !
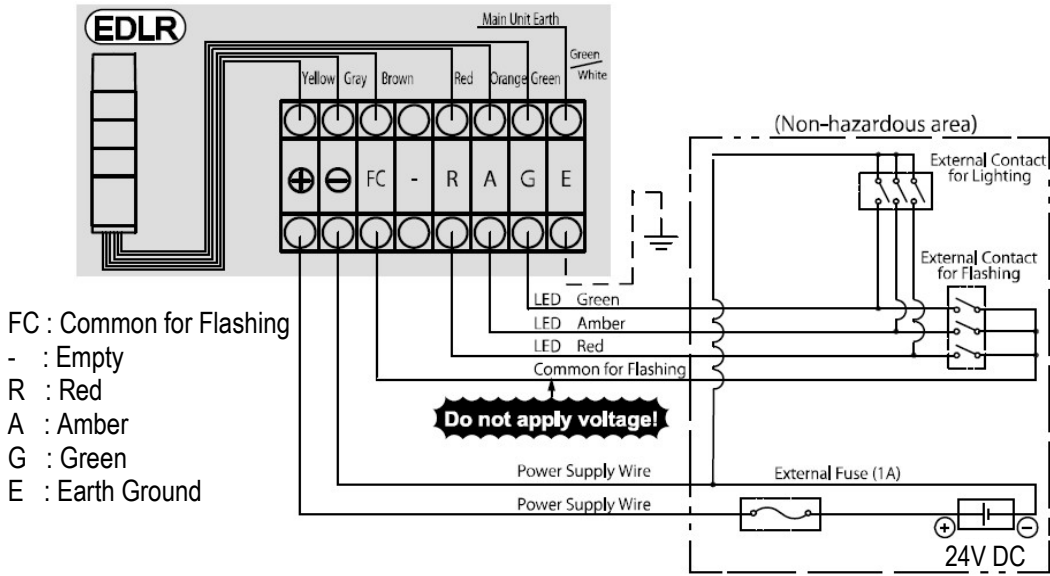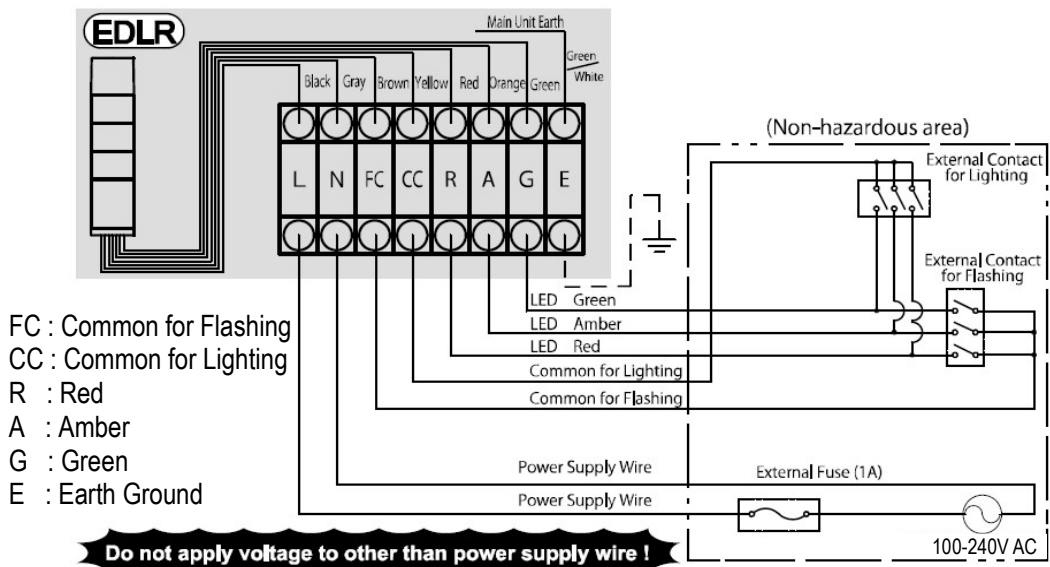
■Terminal Conformity Cable

Strip length 8 to 9mm

Max. sheath O.D. ∅3.7mm | Core wire

Power Supply / Earth wires: ∅1.1 to 1.6 (0.75 to 2.5mm²)
Signal / Common wires: ∅1.1 to 1.6 (0.75 to 2.5mm²)
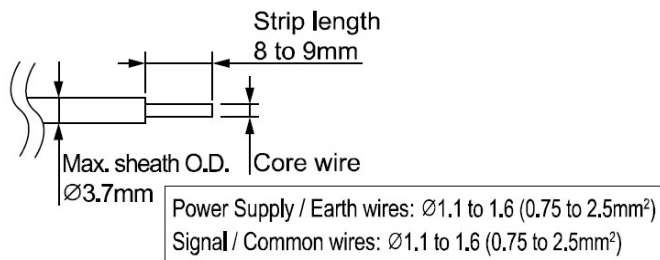
※For stranded wires, twist them firmly to prevent fraying or bending.

■Cable gland
Certified Ex cable gland (Marking: Ex db ⅡC Gb) shall be used to equipment and installed in accordance with EN/IEC 60079-14.

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