

EDLM / EDWM

Explosion-proof Signal Tower

ATEX & FM
CENELEC Standards



Testing Authority
NEC Article 505

LED



IP66

**NPN/PNP
Open collector***

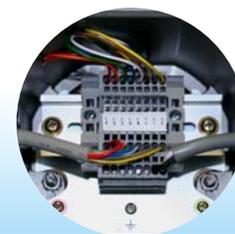
*AC 120/230/90-250V types are NPN compatible only



EDLM



EDWM



Terminal block

- Standards : Compliance to ATEX and NEC standards.
- Connection : Easy wiring for parallel connection to another interlocking device through 2 lead-in ports.
- Terminal Block : Easy connection to the signal tower by opening the bottom cover.
- Body : Made of aluminum alloy.
- Light Source : Long life, maintenance-free LED.
- Mounting : Wall mount, flush mount and horizontal mount. See page 52. (Photo shows model EDWM.)

Specifications (ATEX)

Type	EDLM-302FE	EDLM-312FE	EDLM-323FE	EDWM-502FE	EDWM-5M2FE
Rated Voltage	AC/DC 24V	AC 120V	AC 230V	AC/DC 24V	AC 90~250V
Signal Line Current (Per LED Module)	Red/Amber: 52.5mA Green: 20.0mA			Red: 22.6mA, Amber: 26.6mA, Green: 17.5mA Blue/White: 38.9mA	
Explosion Protection Ratings	⊕II2G Ex d IIC T6 (Zone 1,2)			⊕II2D Ex tD A21 IP66 T80°C (Zone 21, 22)	
Operating Temperature	-20°C~+50°C (no ice)				
Operating Humidity	45%~85%RH (Keep from dew condensation)				
Ambient Pressure	80~110kpa				
Lighting Pattern	Flashing (60±12 flashes per minute) / Continuous light				
IP	IP66				
Vibration Resistance	9.8m/s ²				
Mounting	Outdoor & Indoor Upright			Outdoor & Indoor Upright & Sideways	
Luminosity	Red: 350mcd, Amber: 580mcd Green: 1300mcd			Red/Green/White: 1000mcd Amber: 700mcd, Blue: 300mcd	
Mass (Main body)	4.3kg			4.7kg	
Material	Upper & Lower Case : Aluminum alloy(Housing finish: Melamine baking finish) Glass Case : Borosilicate glass Fitting Bracket : Stainless steel (SUS 316) Cable Gland : Brass				

Specifications (NEC)

Type	EDLM-302FA	EDLM-312FA	EDLM-323FA	EDWM-502FA	EDWM-5M2FA
Rated Voltage	AC/DC 24V	AC 120V	AC 230V	AC/DC 24V	AC 90~250V
Signal Line Current (Per LED Module)	Red/Amber: 52.5mA Green: 20.0mA			Red: 22.6mA, Amber: 26.6mA, Green: 17.5mA Blue/White: 38.9mA	
Explosion Protection Ratings	Class I, Zone 1 AEx d IIC T6				
Operating Temperature	-25°C~+50°C (no ice)				
Operating Humidity	45%~85%RH (Keep from dew condensation)				
Ambient Pressure	80~110kpa				
Lighting Pattern	Flashing (60±12 flashes per minute) / Continuous light				
IP	IP66				
Vibration Resistance	9.8m/s ²				
Mounting	Outdoor & Indoor Upright			Outdoor & Indoor Upright & Sideways	
Luminosity	Red: 350mcd, Amber: 580mcd Green: 1300mcd			Red/Green/White: 1000mcd Amber: 700mcd, Blue: 300mcd	
Mass (Main body)	4.3kg			4.7kg	
Material	Upper & Lower Case : Aluminum alloy(Housing finish: Melamine baking finish) Glass Case : Borosilicate glass Fitting Bracket : Stainless steel (SUS 316)				

EDLM & EDWM are covered by the specifications shown in the **shaded** areas below

Common in Europe

• ATEX directive is CENELEC standard.

Classification	Standard	PATLITE Models	Present Continuously	Present Intermittently	Present Abnormally
ATEX, IEC/EU Directive 94/9/EC	IEC 60079-10 EN 60079-10	EDLM, EDWM	Zone 0	Zone 1	Zone 2

Common in the USA

• NEC standard is National Electrical Code.

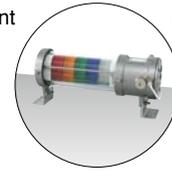
Classification	Standard	PATLITE Models	Present Continuously	Present Intermittently	Present Abnormally
NEC Article 505	ANSI/NFPA 71	EDLM, EDWM	Zone 0	Zone 1	Zone 2
NEC Article 500	ANSI/NFPA 70	—	Division 1		Division 2



Wall Mount

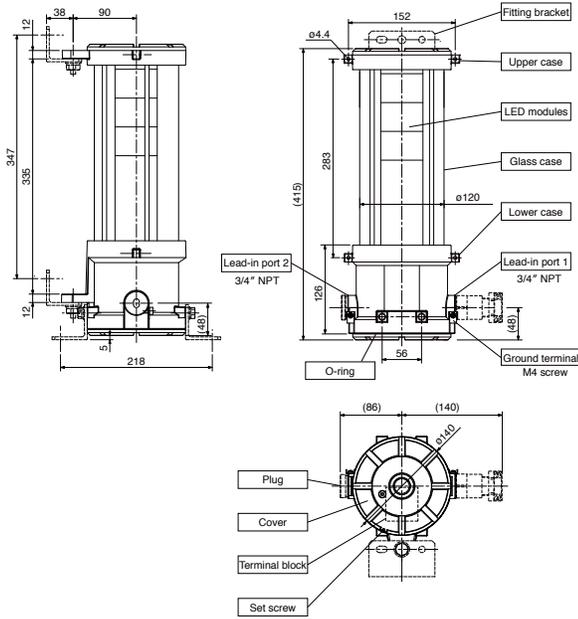


Flush Mount

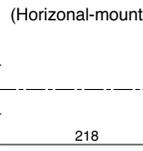
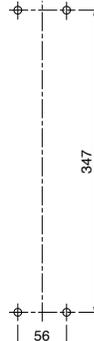


Horizontal Mount

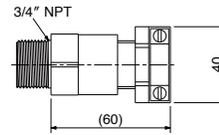
Dimensions (EDLM, EDWM)



■ Installation (Wall-mount)

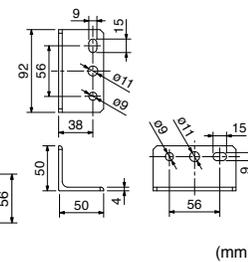


■ Cable gland*



*ATEX model ... Included
*NEC model ... Sold separately

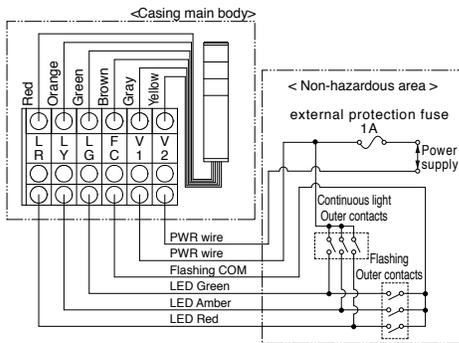
■ Bracket for flush mount



rear view: EDWM (5 color LED)

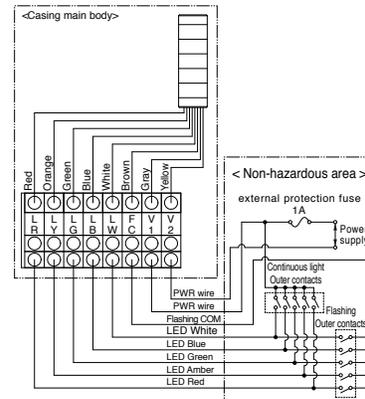
Wiring Diagram (EDLM (3 color LED))

■ EDLM-302FE/FA

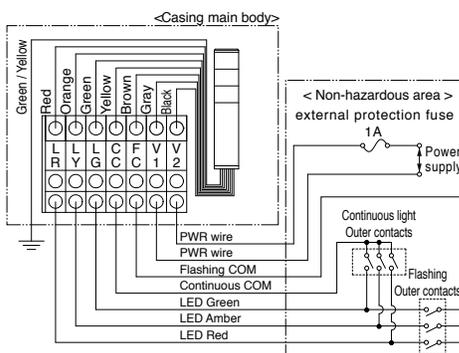


Wiring Diagram (EDWM (5 color LED))

■ EDWM-502FE/FA



■ EDLM-312FE/FA
EDLM-323FE/FA



■ EDWM-5M2FE/FA

