

► Models WV450XD and WV450XE

Flameproof GRP Strobe Lights



Model WV450X flameproof single flash-strobe signal provides three high-intensity light outputs utilizing a 10,000-hour rated strobe tube. The housing is manufactured from GRP (glass-reinforced polyester) to reduce weight, improve corrosion-resistance, and eliminate regular inspection of the flame path.

The devices include 316 stainless steel hardware, a mounting bracket, and a dome guard. The WV450X comes standard with metric cable entries in both the "d" explosion proof version and the "de" increase safety terminal chamber with (3) M20 entries. The increased safety design allows for quick field termination and pass-through wiring.

The WV450X is ideal for the demands of offshore marine and land-based heavy industrial when ATEX & IECEx certifications are required.



FEATURES

- Available in 10-, 15-, and 21-joule units
- Seven lens colors: Amber, Blue, Clear, Green, Magenta, Red, and Yellow
- 316 stainless steel mounting bracket included
- Available voltages ($\pm 15\%$):
24-48 Vdc - 15 J units
110 Vac - 10 J / 21 J units
220 Vac - 10 J / 21 J units
- Corrosion-resistant GRP (Glass Reinforced Polyester)
- Included dome guard
- M20 entries standard
- Strobe tube life of 10,000 hours
- IP66 enclosure
- Zone rated, IECEx, ATEX
Ex d IIB +H2 T3-T4
Ex de IIB +H2 T3-T4
- ATEX, IECEx, CE, GOST Certified
- CE and UKCA compliant

MODEL	OPERATING VOLTAGE	JOULE	MAXIMUM OPERATING CURRENT	TEMPERATURE CODE AT 55°C	FLASH RATE
WV450XD/WV450XE	24/48 Vdc	15 J	940/480 mA	T4	60
	110 Vac	10/21 J	270/750 mA	T3	60
	220 Vac	10/21 J	230/500 mA	T3	60

Flameproof GRP Strobe Lights (WV450XD and WV450XE)

SPECIFICATIONS

Light Output:

	Effective Candela Peak	Average Effective Candela on HV	Peak Intensity Candela	Actual Output Joules
10 joule	174	110	195,000	10.75
15 joule	312	195	298,000	16.3
21 joule	393	297	357,700	21.5

Glass Color Transmission:

Amber < 0.48, Blue < 0.12, Green < 0.52,
Red < 0.81, Yellow < 0.85

Terminals:

Ex d: (DC) 4 way block (2 in, 2 out)
(AC) 6 way block (3 in, 3 out)

Ex de: 3-position, dual-pole terminal block

Cable Entries:

Ex d: 2 entries - M20 x 1.5

Ex de: 3 entries - M20 x 1.5

Operating Temperatures:

"d" version without terminal chamber

ATEX -55° to 55°C (-67° to 131°F)

IECEx -55° to 55°C (-67° to 131°F)

"de" version with terminal chamber

ATEX -20° to 55°C (-4° to 131°F)

IECEx -20° to 55°C (-4° to 131°F)

Mounting:

Via 316 stainless steel bracket

Exterior Lens:

Toughened glass

Guard and External Fasteners:

316 stainless steel

WV450XD

Net Weight: 3.23 kg (7.1 lb)

Shipping Weight: 3.88 kg (8.6 lb)

WV450XE

Net Weight: 3.9 kg (8.6 lb)

Shipping Weight: 4.54 kg (10 lb)

Shipping Dimensions: 19 x 22 x 47 cm (7.5 x 9 x 18.5 in)

ATEX Certificate Number DEMKO 06 ATEX 0425693X

IECEx Certificate Number IECEx UL 06.0010X

Certification Marking ("d" only version) Ex d IIB + H2 T3-T4 @

-55°C < Tamb < 55°C

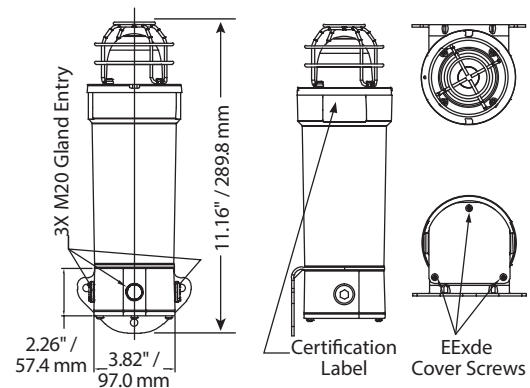
Certification Marking ("de" version) Ex de IIB + H2 T3-T4 @

-20°C < Tamb < 55°C

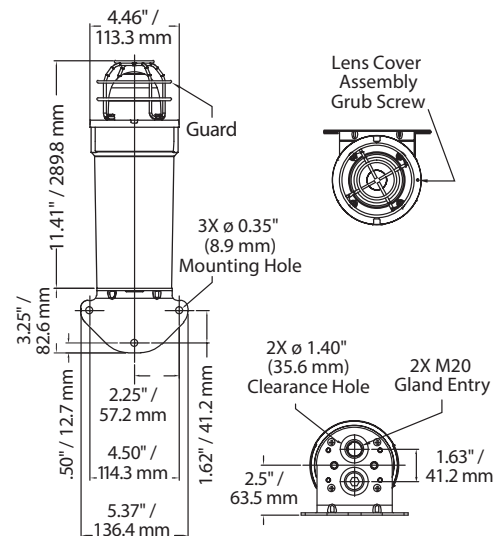
Ingress Protection (IP) Rating

IP66

WV450XE



WV450XD



HOW TO ORDER

WV450X D 10 - 110 A

TYPE
WV450X

PROTECTION
D Flameproof "d"
E Increased Safety
"de" terminal box

RATING
10 10 joule
15 15 joule
21 21 joule

VOLTAGES ±15%
024 Vdc - 15 J
110 Vac - 10 J and 21 J
220 Vac - 10 J and 21 J

COLOR
A Amber
B Blue
C Clear
G Green
M Magenta
R Red
Y Yellow