

Push Buttons & Operator Interface XVB Illuminated Beacons & Indicating Banks / General Information

Illuminated Beacons

The complete unit includes the following:

- 1- A base.
- 2 - A colored lens unit.

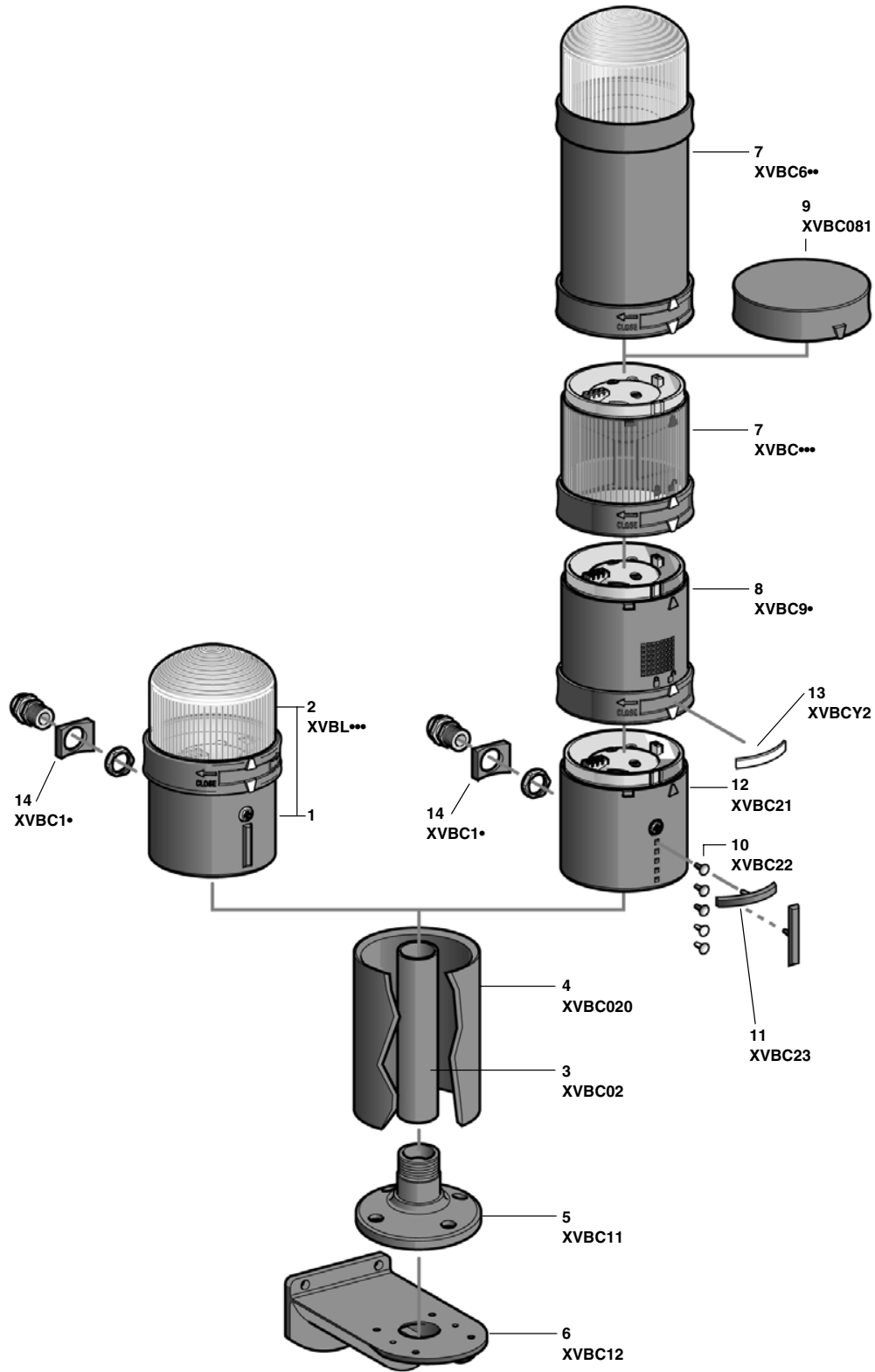
Additional accessories include:

- 3 - A support tube.
- 4 - Support tube concealment cover.
- 5 - Tulip for use with tube for mounting on a horizontal surface.
- 6 - Wall mounting bracket.
- 14 - Adaptor with cable gland, for cable size of 0.4 to 0.55 in (10 to 14 mm) diameter.

Stackable Indicating Banks




It may include the following:

- 12 - A base.
- 7 - 1 to 5 colored lens units
- 8 - Or 1 audible sounder unit.
- 9 - A top cover, (except with a strobe).
- 3 - Support tube.
- 4 - Support tube concealment cover.
- 5 - Tulip for use with tube for mounting on a horizontal surface.
- 6 - Wall mounting bracket.
- 10 - Colored markers.
- 11 - Legend holders with legend.
- 13 - Legends that attach to locking ring of individual signalling units for identification.
- 14 - Adaptor with cable gland, for cable size of 0.4 to 0.55 in (10 to 14 mm) diameter.



Push Buttons & Operator Interface XVB Illuminated Beacons & Indicating Banks / Characteristics

Environment

Approvals	Standard version, CSA, UL  File E164353 CCN NKCR  File LR 44087 Class 3211 03	UL E164353 CCN NKCR, CSA LR 44087 Class 3211 03
Conforming to standards	 Marked	IEC/EN 60947-5-1, UL 508, CSA 22.2 No. 14
Protective treatment		"TC"
Ambient air temperature		- 40 to + 158 °F (- 40 to +70 °C)
Storage		
Operation ■	Illuminated lens unit, steady	- 13 to + 158 °F (- 25 to +70 °C), with 10 W incandescent bulb - 13 to + 122 °F (- 25 to +50 °C), with LED
	Flashing units	- 13 to + 122 °F (- 25 to +50 °C), with 7 W incandescent bulb - 13 to + 104 °F (- 25 to +40 °C), with 10 W incandescent bulb - 13 to + 122 °F (- 25 to +50 °C), with LED
	Units with strobe	- 13 to + 122 °F (- 25 to +50 °C)
	audible sounder units	- 13 to + 122 °F (- 25 to +50 °C), with sounder
Electric shock protection conforming to IEC 536	Tube mounting	Class I
	Direct mounting on base unit	Class II
Degree of protection	To IEC 60529 and NF C 20-010 To UL 50 and CSA 22.2 No. 94	IP 65 Type 1, 4X (indoor), and 12
Material	Illuminated lens unit	Polycarbonate
	Base unit and top cover	Glass-reinforced polyamide and polycarbonate
	Tube	Stainless steel (matte black finish)
	Tulip	Zinc Alloy (matte black finish)

- When associating different elements such as steady or flashing, the maximum temperature is limited to that of the unit with the lowest temperature rating. Do not combine illuminated units with incandescent lamps and illuminated units with LED lamp in the same bank.

Electrical Characteristics

Rated insulation voltage (Ui)	Conforming to IEC 60947-1	250 V
Consumption	LED unit	
	Steady	24 Vac/dc: < 80 mA 120 - 230 Vac: < 30 mA
	Flashing	24 Vac or 24 Vdc: < 40 mA 120 - 230 Vac: < 15 mA
	Unit with strobe (on energization)	24 Vac or 24 Vdc: 5 Joule unit: < 430 mA; 10 Joule unit: < 850 mA 120 Vac: 5 Joule unit: < 130 mA; 10 Joule unit: < 260 mA 230 Vac: 5 Joule unit: < 105 mA; 10 Joule unit: < 210 mA
	Audible sounder units	12 - 48 Vac/dc: < 20 mA 120 - 230 Vac: < 50 mA
Rated impulse withstand voltage	Conforming to IEC 60947-1	U imp = 4 kV
Bulb type	Illuminated units, steady or flashing	Bayonet type BA 15d: minimum power 5 W, maximum power 10 W
Illuminating power	Strobe units	13 cds (integral high intensity tube) with clear lens unit: 5 Joule tube 26 cds (integral high intensity tube) with clear lens unit: 10 Joule tube
Audible sounder units	Continuous or intermittent signal	90 dB at 1 m
	Fundamental frequency	2.8 kHz
Terminal marking	Common	1 terminal marked "C"
	Depending on type of units	1 or 5 terminals marked 1 to 5
Cable size	Maximum wire size	1 x #16 AWG (1.5 mm ²) with cable end
Terminals		Screw and captive cable clamp terminals Torque to 4.4 lb-in (0.5 N•m)
Frequency of illuminated units	Flashing units	1 Hz
	Strobe units	1 Hz

Push Buttons & Operator Interface XVB Illuminated Beacons & Indicating Banks / XVBL Beacons



XVBL3•

Illuminated Beacons with Steady Light (2.75 in/70 mm diameter)

Description	Light Source and Voltage	Color	Catalog Number
Complete unit, includes: 1 lens unit 1 base unit (direct or tube mounting)	Bulb (10 W max) not included 250 V max	Green	XVBL33
		Red	XVBL34
		Orange	XVBL35
		Blue	XVBL36
		Clear	XVBL37
		Yellow	XVBL38



XVBL4B•

Illuminated Beacons with Flashing Light (2.75 in/70 mm diameter)

Description	Light Source and Voltage	Color	Catalog Number	
Complete unit, includes: 1 lens unit 1 base unit (direct or tube mounting)	Bulb (10 W max) not included 24 Vac 24 - 48 Vdc	Green	XVBL4B3	
		Red	XVBL4B4	
		Orange	XVBL4B5	
		Blue	XVBL4B6	
		Clear	XVBL4B7	
		Yellow	XVBL4B8	
		Bulb (10 W max) not included 48 - 230 Vac	Green	XVBL4M3
			Red	XVBL4M4
Orange	XVBL4M5			
Blue	XVBL4M6			
Clear	XVBL4M7			
Yellow	XVBL4M8			

For bulbs, see page 216.



XVBL6B•
5 Joule

Illuminated Beacons with 10 Joule Strobe (2.75 in/70 mm diameter)

Description	Light Source and Voltage	Color	Catalog Number ■	
Complete unit, includes: 1 lens unit 1 base unit (direct or tube mounting)	Strobe 24 Vac/dc	Green	XVBL8B3	
		Red	XVBL8B4	
		Orange	XVBL8B5	
		Blue	XVBL8B6	
		Clear	XVBL8B7	
		Yellow	XVBL8B8	
		Strobe 120 Vac	Green	XVBL8G3
			Red	XVBL8G4
Orange	XVBL8G5			
Blue	XVBL8G6			
Clear	XVBL8G7			
Yellow	XVBL8G8			
Strobe 230 Vac	Green		XVBL8M3	
	Red		XVBL8M4	
	Orange	XVBL8M5		
	Blue	XVBL8M6		
	Clear	XVBL8M7		
	Yellow	XVBL8M8		

■ For 5 Joule units, specify XVBL6••, instead of XVBL8••.

NOTE: There are no replacement lenses for strobes and illuminated beacons.

Push Buttons & Operator Interface XVB Illuminated Beacons & Indicating Banks / XVBC Bank Components



XVBC3•



XVBC4••



XVBC8••
10 Joule

Illuminated Lens Units with Steady Light (2.75 in/70 mm diameter)

Description	Light Source and Voltage	Color	Catalog Number
Illuminated lens unit	Bulb (10 W max) not included 250 V max	Green	XVBC33
		Red	XVBC34
		Orange	XVBC35
		Blue	XVBC36
		Clear	XVBC37
		Yellow	XVBC38

Illuminated Lens Unit with Flashing Light (2.75 in/70 mm diameter)

Description	Light Source and Voltage	Color	Catalog Number		
Illuminated lens unit	Bulb (10 W max) not included 24 Vac 24 - 48 Vdc	Green	XVBC4B3		
		Red	XVBC4B4		
		Orange	XVBC4B5		
		Blue	XVBC4B6		
		Clear	XVBC4B7		
		Yellow	XVBC4B8		
		Illuminated lens unit	Bulb (10 W max) not included 48 - 230 Vac	Green	XVBC4M3
				Red	XVBC4M4
Orange	XVBC4M5				
Blue	XVBC4M6				
Clear	XVBC4M7				
Yellow	XVBC4M8				

For bulbs, see page 216.

Illuminated Lens Units with 10 Joule Strobe (2.75 in/70 mm diameter)

Description	Light Source and Voltage	Color	Catalog Number ■		
Illuminated lens units	Strobe 24 Vac/dc	Green	XVBC8B3		
		Red	XVBC8B4		
		Orange	XVBC8B5		
		Blue	XVBC8B6		
		Clear	XVBC8B7		
		Yellow	XVBC8B8		
		Illuminated lens units	Strobe 120 Vac	Green	XVBC8G3
				Red	XVBC8G4
Orange	XVBC8G5				
Blue	XVBC8G6				
Clear	XVBC8G7				
Yellow	XVBC8G8				
Illuminated lens units	Strobe 230 Vac			Green	XVBC8M3
				Red	XVBC8M4
		Orange	XVBC8M5		
		Blue	XVBC8M6		
		Clear	XVBC8M7		
		Yellow	XVBC8M8		

■ For 5 Joule units, specify XVBC6••, instead of XVBC8••.

NOTE: There are no replacement lenses units for the XVBC strobe.