

D1x Visual Signals Class I/II Div 1, Class, IECEx, ATEX Zone 1, Zone 21



D1xB2 beacons- surface mounting



D1xB2 beacons - pendant



D1xB2 beacons - bracket mounting
allows beacon to be rotated in any orientation

The globally approved D1xB2 family from offer the most comprehensive range of solutions for signaling in Class I/II Div 1 or Zone 1/20 explosion proof applications..

The D1xB2X05, X10, X15 and X21 Xenon strobe beacons offer a range of light outputs options including 5 Joule, 10 Joule, 15 Joule, 21 Joule Xenon plus multifunction LED - all with industry leading candela ratings.

UL approved to NEC, CEC, IECEx and ATEX codes the D1xB2 family of visual signals can be installed in all Class I/II Div 1 explosion proof and Class I Zone 1 and Zone 21 flameproof applications anywhere in the world. Safety integrity level compliance of SIL1 is standard on all D1xB2 beacons and SIL2 is available as an option on the Xenon strobe versions.

The lightweight, marine grade, enclosure has been designed to create the optimal visual signal. Its innovative construction includes both conduit or surface mounting capabilities - without the need for any additional accessories. For complete flexibility an optional stainless-steel bracket enables the light to be rotated and positioned in any orientation.

The extended operating temperature range of up to -67° to +176°F (-55°C to +80°C) ensures the D1xB2 beacons can be employed in the most arduous of applications.

The unique automatic flash synchronization feature combined with the innovative in-rush limiting electronic circuit design and low operating current eliminate system design constraints and reduce cost.

Range Info:

Enclosure Material
Corrosion proof, marine grade, copper free LM6 aluminum, chromated and powder coated.

Enclosure color
Red (RAL3000) or Grey (RAL7038)

Ingress Protection
Type 4, 4X, 13, 3R, IP66)

Fixings
Stainless steel.

Mounting
Integrated pendant and surface mount capability. Optional ratchet adjustable stainless steel ‘U’ bracket.

Cable entries
1 x 3/4” NPT rear conduit entry
2 x 3/4” NPT side conduit entries
2 x M20 ISO side conduit/gland entries
Stopping plugs included (brass, nickel plated or stainless steel).

Approvals:

Class I Div 1 ABCD
Class II Div 1 EFG
Class III Div 1
Class I Zone 1 AEx db IIC
Zone 21 AEx tb IIIC
Ex db IIC
Ex tb IIIC
Ta -55°C to +80°C (-67° to + 176°F)
UL, cULs, ULC, IECEx, ATEX, CSFM, PESO, Ex EAC

Xenon Strobes

Ref: 1-21-205
D1xB2X21
21 Joule Xenon Strobe
Voltage: 24Vdc (20-28Vdc), 115Vac
110-120Vac, 230Vac 220-240Vac
Effective candela to IES: 1,250.66cd
Private mode fire: 215.85 cd
Peak candela (calc): 2,100,000cd
Nominal Current: 1.13A
In rush: 1.5A - 5ms @ 24Vdc
Three flash rates: 1Hz, 1.5Hz & 2 x flash
Automatically synchronized
252.34mm x 150.0mm (9.93” x 5.91”)

Ref: 1-21-203
D1xB2X10
10 Joule Xenon Strobe
Voltage: 24Vdc (20-28Vdc), 115Vac
110-120Vac, 230Vac 220-240Vac
Effective candela to IES: 645.21cd
Private mode fire: 69.81 cd
Peak candela (calc): 1,000,000cd
Nominal Current: 605mA
In rush: 990mA - 5ms @ 24Vdc
Three flash rates: 1Hz, 1.5Hz & 2 x flash
Automatically synchronized
252.34mm x 150.0mm (9.93” x 5.91”)

Ref: 1-21-204
D1xB2X15
15 Joule Xenon Strobe
Voltage: 24Vdc (20-28Vdc), 115Vac
110-120Vac, 230Vac 220-240Vac
Effective candela to IES: 713.71cd
Private mode fire: 98.61 cd
Peak candela (calc): 1,500,000cd
Nominal Current: 835mA
In rush: 990mA - 5ms @ 24Vdc
Three flash rates: 1Hz, 1.5Hz & 2 x flash
Automatically synchronized
252.34mm x 150.0mm (9.93” x 5.91”)

Ref: 1-21-202
D1xB2X05
5 Joule Xenon Strobe
Voltage: 24Vdc (20-28Vdc), 115Vac
110-120Vac, 230Vac 220-240Vac
Effective candela to IES: 156.65cd
Private mode fire: 20.44 cd
Peak candela (calc): 500,000cd
Nominal Current: 295mA
In rush: 920mA - 5ms @ 24Vdc
Three flash rates: 1Hz, 1.5Hz & 2 x flash
Automatically synchronized
252.34mm x 150.0mm (9.93” x 5.91”)

LED Beacon

Ref: 1-21-206
D1xB2LD2
High Output LED Beacon
Voltage: 24Vdc (18-30Vdc), 115Vac
110-120Vac, 230Vac 220-240Vac
Effective candela to IES: 338cd
Nominal Current: 230mA
In rush: 1.22A - 2ms @ 24Vdc
Five flash rates: 1Hz, 1.5Hz, 2 Hz, double and triple flash
High and low power Steady modes
Three remotely selectable flash modes
Automatically synchronized
252.34mm x 150.0mm (9.93” x 5.91”)



GNEx Visual Signals Zone 1, 2, 21 & 22



GNExB2X21



GNExB2X15



GNExB2X10



GNExB1X05



GNExB2LD2



GNExJ2

The GNEx explosion proof Xenon strobe beacon range is IECEx & ATEX approved. The robust IP66 corrosion proof GRP enclosure and extended temperature range ensures the GNExB1 and GNExB2 strobes are suitable for all Zone 1, 2, 21 & 22 hazardous location signaling applications.

The GNExB2 beacon range produces up to 902cd effective Candela - a very high output Xenon strobe flash as required for efficient signaling over greater distances and in high ambient light. The GNExB2 beacons are available in 10, 15 and 21 Joule variants. The GNExB1 is available as a compact 5 Joule Xenon.

For both beacon sizes the optically enhanced, field replaceable, color filter enhances the strobe and are constructed from UV stable PC. The GRP enclosure features a threaded flame path, multiple cable entries and a large termination area - all of which significantly reduce installation time.

Complementing the GNEx range is the GNExJ2 Ex d junction box. Suitable for any use the box features multiple cable entries and terminal configurations.

Select models are UL.cUL approved for Class I Zone 1/21 and Class I Div 2 applications.

Range Info:

Material
Corrosion proof, glass-reinforced polyester.
Ingress Protection
IP66
Fixings
Stainless steel.
Mounting
Surface mount
Cable entries
Dual & triple M20 ISO. Stopping plug included. M25, 1/2"NPT and 3/4" NPT available.

Approvals:

II 2G Ex db IIC Gb
II 2D Ex tb IIIC Db
ATEX, IECEx, PESO, INMETRO, EAC Ex

Xenon Strobe Beacons

Ref: 1-21-052
GNExB2X21 Xenon Strobe 21 Joule
20-28/42-54Vdc & 110-125V/220-240V ac.
Effective intensity 902.69cd
Amber, Blue, Clear, Green, Magenta, Red & Yellow lenses
157.4mm x 242.5mm (6.19" x 9.55")
II 2G Ex db IIC Gb T4 Ta -50°C to +70°C
II 2D Ex tb IIIC Db T130°C Ta-50°C to +70°C
Ref: 1-21-050
GNExB2X15 Xenon Strobe 15 Joule
20-28/42-54Vdc & 110-125V/220-240V ac.
Effective intensity 666.92cd
Amber, Blue, Clear, Green, Magenta, Red & Yellow lenses
157.4mm x 242.5mm (6.19" x 9.55")
II 2G Ex db IIC Gb T5 Ta -50°C to +40°C
II 2G Ex db IIC Gb T4 Ta -50°C to +70°C
II 2D Ex tb IIIC Db T120°C Ta-50°C to +70°C
Ref: 1-21-052
GNExB2X10 Xenon Strobe 10 Joule
20-28/42-54Vdc & 110-125V/220-240V ac.
Effective intensity 479.39cd
Amber, Blue, Clear, Green, Magenta, Red & Yellow lenses
157.4mm x 242.5mm (6.19" x 9.55")
II 2G Ex db IIC Gb T5 Ta -50°C to +40°C
II 2G Ex db IIC Gb T4 Ta -50°C to +70°C
II 2D Ex tb IIIC Db T120°C Ta-50°C to +70°C

Ref: 1-21-052
GNExB1X05 Xenon Strobe 5 Joule
20-28/42-54Vdc & 110-125V/220-240V ac.
Effective intensity 117.93cd
Amber, Blue, Clear, Green, Magenta, Red & Yellow lenses
121.3mm x 155.7mm (4.77" x 6.13)
II 2G Ex db IIC Gb T6 Ta -50°C to +40°C
II 2G Ex db IIC Gb T5 Ta -50°C to +55°C
II 2G Ex db IIC Gb T4 Ta -50°C to +70°C
II 2D Ex tb IIIC Db T110°C Ta-50°C to +70°C

Junction Box

Ref: 1-22-500
GNExJ2 Junction Box
60Vdc max & 260Vac 50/60Hz max.
5W max power
II 2G Ex db IIC Gb T6 Ta -50°C to +70°C
II 2D Ex tb IIIC Db T80°C Ta -50°C to +70°C
157.4mm x 108.5mm (6.19" x 4.27")

Multi-function LED Beacon

Ref: 1-21.054
GNExB2LD2 LED Multi-function Beacon
20-28/42-54Vdc & 110-125V/220-240V ac.
Effective intensity (steady): 174cd
Effective intensity (flash): 338cd
Amber, Blue, Clear, Green, Magenta, Red & Yellow lenses
157.4mm x 242.5mm (6.19" x 9.55")
II 2G Ex db IIC Gb T6 Ta -50°C to +65°C
II 2G Ex db IIC Gb T5 Ta -50°C to +70°C
II 2D Ex tb IIIC Db T85°C Ta -50°C to +70°C
157.4mm x 108.5mm (6.19" x 4.27")



STEx Visual Signals Zone 1, 2, 21 & 22



STExB2X21



STExB2X15



STExB2X10



STExB2RT1



STExB2LD2

The STEx explosion proof Xenon strobe beacon family is IECEx & ATEX approved. The robust IP66 corrosion proof 316L stainless steel enclosure ensures the STExB2 strobes are suitable for all Zone 1, 2, 21 & 22 hazardous location signaling applications.

The STExB2 beacon range produces up to 902cd effective candela - a very high output Xenon strobe flash as required for efficient signaling over greater distances and in high ambient light. The STExB2 beacons are available in 10, 15 and 21 Joule Xenon variants plus as a high output multi-function LED.

The optically enhanced, field replaceable, color filter enhances the strobe and are constructed from UV stable PC. The 316L stainless steel enclosure features a threaded flame path, multiple cable entries and a large termination area - all of which significantly reduce installation time.

Select models are UL.cUL approved for Class I Zone 1/21 and Class I Div 2 applications.

Range Info:

Material
316L stainless steel, chromated and powder coated.

Ingress Protection
IP66

Fixings
Stainless steel.

Mounting
Surface mount

Cable entries
4 x M20 ISO. Three 316 stainless steel stop-ping plugs included.
Available with 1/2"NPT, 3/4"NPT or M25 adaptors.

Approvals

II 2G Ex db IIC Gb
II 2D Ex tb IIIC Db

ATEX, IECEx, INMETRO, DNV, EAC Ex

Xenon Strobe Beacons

Ref: 1-21-174
STExB2X21 Xenon Strobe 21 Joule
20-28/42-54Vdc & 115V/230V ac.
Effective intensity 902.69cd
Amber, Blue, Clear, Green, Magenta, Red & Yellow lenses
II 2G Ex db IIC Gb T4 Ta -50°C to +65°C
II 2G Ex db IIC Gb T3 Ta -50°C to +70°C
II 2D Ex tb IIIC Db T130°C Ta-50°C to +70°C
150.7mm x 240.5mm (5.93" x 9.47")

Ref: 1-21-172
STExB2X15 Xenon Strobe 15 Joule
20-28/42-54Vdc & 110-125V/220-240V ac.
Effective intensity 666.92cd
Amber, Blue, Clear, Green, Magenta, Red & Yellow lenses
II 2G Ex db IIC Gb T5 Ta -50°C to +40°C
II 2G Ex db IIC Gb T4 Ta -50°C to +70°C
II 2D Ex tb IIIC Db T120°C Ta-50°C to +70°C
150.7mm x 240.5mm (5.93" x 9.47")

Ref: 1-21-170
STExB2X10 Xenon Strobe 10 Joule
20-28/42-54Vdc & 110-125V/220-240V ac.
Effective intensity 479.39cd
Amber, Blue, Clear, Green, Magenta, Red & Yellow lenses
157.4mm x 242.5mm (6.19" x 9.55")
II 2G Ex db IIC Gb T5 Ta -50°C to +40°C
II 2G Ex db IIC Gb T4 Ta -50°C to +70°C
II 2D Ex tb IIIC Db T120°C Ta-50°C to +70°C
150.7mm x 240.5mm (5.93" x 9.47")

Halogen Rotating Beacon

Ref: 1-21-180
STExB2RT1 Rotating Beacon
12/24Vdc & 115-120V/230V ac.
Effective intensity 633cd
Amber, Blue, Clear, Green, Magenta, Red & Yellow lenses
II 2G Ex db IIC Gb T6 Ta -50°C to +40°C
II 2G Ex db IIC Gb T5 Ta -50°C to +55°C
II 2G Ex db IIC Gb T4 Ta -50°C to +70°C
II 2D Ex tb IIIC Db T110°C Ta-50°C to +70°C
150.7mm x 240.5mm (5.93" x 9.47")

Multi-function LED Beacon

Ref: 1-21.160
STExB2LD2 LED Multi-function Beacon
24Vdc & 115V/230V ac.
Effective intensity (steady): 174cd
Effective intensity (flash): 338cd
Amber, Blue, Clear, Green, Magenta, Red & Yellow lenses
157.4mm x 242.5mm (6.19" x 9.55")
II 2G Ex db IIC Gb T6 Ta -50°C to +65°C
II 2G Ex db IIC Gb T5 Ta -50°C to +70°C
II 2D Ex tb IIIC Db T85°C Ta -50°C to +70°C
150.7mm x 240.5mm (5.93" x 9.47")



BEx Visual Signals

Zone 1, 2, 21 & 22



BExBG



BExBG



BExBG



BExBG



BExCBG-G

The BEx beacons are ideal for general signaling duties whilst their robust construction makes installation in the harshest of environments possible.

The BExBG range includes 5, 10, 15 and 21 Joule Xenon strobe beacons. The 21 Joule version has three distinct user selectable flash patterns and for units with DC operating voltages a second stage flash pattern can be selected remotely. The BExBGL2 multi-function L.E.D. beacon features a total of 7 modes of operation: 5 flashing modes and a high and low power steady mode for use in indicator / status applications. Based on the mode selected the user can also select two alternative L.E.D. flash rates remotely.

All versions feature a stainless steel guard, stainless steel mounting bracket and stopping plug as standard. All models have dual M20 cable entries, large termination areas and an ingress protection level of up to IP67. The UV stable PC color lens filter is field replaceable.

For installations requiring defined safety integrity levels, the BExBG05D, BExBG10D and BExBG15D Xenon beacons are available in a SIL 2 compliant version.

The dual beacon BExCBG model can be configured with dual Xenon, LED or a mix of light sources to create a compact and efficient visual signal that provides either status indication or warning signals from one device.

Range Info:
Material Corrosion proof, marine grade copper free LM6 aluminum, chromate and powder coat finish.
Ingress Protection IP66/67
Fixings Stainless steel.
Mounting Ratchet adjustable stainless steel 'U' bracket.
Cable entries Dual M20 ISO. One stopping plug included.
Approvals:
II 2G Ex d IIC T6-T3 II 2D Ex tD A21
ATEX, IECEx, INMETRO, EAC Ex

Xenon Strobe Beacons
Ref: 1-21-110 BExBG05 Xenon Beacon 5 Joule 12/24/48Vdc & 115/230Vac 50/60Hz. Effective intensity 250cd Amber, Blue, Clear, Green, Magenta, Red & Yellow lenses 153.6mm x 259.0mm (6.05" x 10.20")
Ref: 1-21-120 BExBG10 Xenon Beacon 10 Joule 12/24/48Vdc & 115/230Vac 50/60Hz. Effective Intensity 500cd Amber, Blue, Clear, Green, Magenta, Red & Yellow lenses 153.6mm x 259.0mm (6.05" x 10.20")
Ref: 1-21-130 BExBG15 Xenon Beacon 15 Joule 24/48Vdc & 115/230Vac 50/60Hz. Effective intensity 750cd Amber, Blue, Clear, Green, Magenta, Red & Yellow lenses 153.6mm x 259.0mm (6.05" x 10.20")
Ref: 1-21-090 BExBG21 Xenon Beacon 21 Joule 24/48Vdc & 115/230Vac 50/60Hz. Effective intensity 1,050cd Amber, Blue, Clear, Green, Magenta, Red & Yellow lenses 153.6mm x 259.0mm (6.05" x 10.20")
L.E.D. Beacons
Ref: 1-21-101 BExBGL2 L.E.D. Beacon 18-54Vdc & 115/230Vac 50/60Hz. Array of 4 high output L.E.D.s Effective intensity 160cd Amber, Blue, Green, Magenta, Red & Yellow lenses 153.6mm x 246.0mm (6.05" x 9.69")
Telephone Initiated Beacons
Ref: 1-21-150 BExTBG05 Telephone Beacon 5 Joule 115/230Vac 50/60Hz. Effective intensity 250cd Amber, Blue, Clear, Green, Magenta, Red & Yellow lenses 153.6mm x 246.0mm (6.05" x 9.69")

Dual Xenon Strobe Beacons
Ref: 1-21-140 BExCBG05-05 Dual Xenon Beacon 5 Joule 12/24/48Vdc & 115/230Vac 50/60Hz. Effective intensity 250cd x 2 Amber, Blue, Clear, Green, Magenta, Red & Yellow lenses 165.0mm x 332.0mm (6.05" x 13.07")
Dual Xenon Strobe & LED Beacons
Ref: 1-21-141 BExCBGL2-05 Dual Xenon & LED Beacon 24Vdc & 115/230Vac 50/60Hz. Effective intensity 250cd + 160cd Amber, Blue, Clear, Green, Magenta, Red & Yellow lenses 165.0mm x 332.0mm (6.05" x 13.07")
Dual LED Beacons
Ref: 1-21-142 BExCBGL2-L2 Dual LED Beacon 24Vdc & 115/230Vac 50/60Hz. Effective intensity 160cd x 2 Amber, Blue, Clear, Green, Magenta, Red & Yellow lenses 165.0mm x 332.0mm (6.05" x 13.07")



Equipamientos Analíticos S.A

DESDE 1989 | BRINDANDO SOLUCIONES

