

STEx Combination Signals

Zone 1, 2, 21 & 22 - Haz Loc.



STExCS1X05R



STExCS1X05F



STExCS1X05R



STExJ2

The STExC1X05 is an explosion proof family of combined audible & visual signals. The robust IP66 corrosion proof 316L stainless steel enclosure ensures suitability for all Zone 1, 2, 21 & 22 hazardous location signalling applications.

Powerful 5 Joule Xenon beacons are combined with an alarm horn sounder either employing a traditional flare horn design, or the more compact radial horn design; distributing the sound omni-directionally and enables the beacon to be oriented optimally in any direction. The beacon and alarm horn can be used individually or can be connected internally and powered from the same source - saving space, reducing cabling costs and installation time.

The alarm horn is capable of a sound pressure level of up to 115dB(A) and contains 64 internationally recognised alarm tone frequencies. Using either positive or negative line switching systems can be configured to remotely trigger 4 alarm stages/channels enabling a single device to signal more than one warning.

The Xenon beacon can be set to flash at 1Hz (60 fpm), 1.5Hz (90 fpm) or a Double Strike.

The PC lens colour filters are UV stable and are field replaceable.

The STExJ2 is an IECEx & ATEX approved explosion proof junction box featuring a threaded flamepath and four cable entries.

Available with standard or DIN rail terminals the STExJ2 can be utilised for termination purposes or as an enclosure for devices up to 5W, 60Vdc/250Vac.

Range Info:
Material
316L stainless steel, chromated and powder coated.
Ingress Protection
IP66
Fixings
Stainless steel.
Mounting
Ratchet adjustable A4 316 stainless steel mounting 'U' bracket.
Cable entries
Triple M20 ISO. Two 316 stainless steel stop-ping plugs included.
Available with 1/2"NPT, 3/4"NPT or M25 adaptors.
Standards:
IECEX
IEC 60079-0 : 2011
IEC 60079-1 : 2014
IEC 60079-31 : 2013
ATEX
EN 60079-0 : 2012+A11:2013
EN 60079-1 : 2014
EN 60079-31 : 2014

Combination Signals with Xenon Strobes
Ref: 1-23-090
STExC1X05F
Alarm Horn & Xenon Strobe
12/24/48Vdc & 230Vac 50/60HZ.
Max output: 117dB(A) @ 1 metre
- 108dB(A) @ 10ft/3m
64 alarm tones with 4 stages/channels
5 Joule Xenon beacon
Effective intensity 250cd
Amber, Blue, Clear, Green, Magenta, Red & Yellow lenses
II 2G Ex db IIC Gb T6 Ta -50° to +40°C
II 2G Ex db IIC Gb T5 Ta -50° to +55°C
II 2G Ex db IIC Gb T4 Ta -50° to +70°C
II 2D Ex tb IIIC Db T110°C Ta -50° to +70°C
181.0mm x 383.4mm (7.13" x 15.09")
Combination Signals with Xenon Strobes
Ref: 1-23-095
BExCS110-05D-R
Omnidirectional Horn & Strobe
12/24/48Vdc & 230Vac 50/60HZ.
Max output: 115dB(A) @ 1 metre
- 106dB(A) @ 10ft/3m
64 alarm tones with 4 stages/channels
5 Joule Xenon beacon
Effective intensity 250cd
Amber, Blue, Clear, Green, Magenta, Red & Yellow lenses
II 2G Ex db IIC Gb T6 Ta -50° to +40°C
II 2G Ex db IIC Gb T5 Ta -50° to +55°C
II 2G Ex db IIC Gb T4 Ta -50° to +70°C
II 2D Ex tb IIIC Db T110°C Ta -50° to +70°C
136.0mm x 314.2mm (5.35" x 12.37")

Junction Box
Ref: 1-25-020
STExJ2 Junction Box
60Vdc max & 260Vac 50/60Hz max.
5W max power
II 2G Ex db IIC T6 Gb Ta. -50° to +65°C
II 2G Ex db IIC T5 Gb Ta. -50° to +70°C
II 2D Ex tb IIIC Db T80°C Ta -50°C to +70°C
150.7mm x 95.50mm (5.93" x 3.76")



STEx Visual Signals

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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 signalling applications.

The STExB2 beacon range produces up to 902cd effective candela - a very high output Xenon strobe flash as required for efficient signalling 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, colour 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.

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.

Standards:

IECEx

IEC 60079-0 : 2011
IEC 60079-1 : 2014
IEC 60079-31 : 2013

ATEX

EN 60079-0 : 2012+A11:2013
EN 60079-1 : 2014
EN 60079-31 : 2014

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

12/24V dc & 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")



STEx Audible signals & PA loudspeakers

Zone 1, 2, 21 & 22 - Haz Loc.



STExS1F



STExS2F



STExS1R



STExL1F



STExL2F

The STExS & STExL is an explosion proof family of audible signals. The robust IP66 corrosion proof 316L stainless steel enclosure ensures suitability for all Zone 1, 2, 21 & 22 hazardous location signalling applications.

The STExS1 and STExS2 are alarm horn sounders either employing a traditional flare horn design, or the more compact radial horn design; distributing the sound omni-directionally - ideal for confined spaces. The alarm horns are capable of a sound pressure level of up to 123dB(A) and contains 64 internationally recognised alarm tone frequencies. Using either positive or negative line switching systems can be configured to remotely trigger 4 alarm stages/channels enabling a single device to signal more than one warning.

Also available are the STExL1F & STExL2F PA loudspeaker as either an 8 ohm or 16 ohm and 70V or 100V Line transformer. The 70V and 100V line transformer versions feature multiple output tapings. The wide frequency range and dispersion characteristics ensure voice signals are clear and effective.

Range Info:
Material 316L stainless steel, chromated and powder coated.
Ingress Protection IP66
Fixings Stainless steel.
Mounting Ratchet adjustable A4 316 stainless steel mounting 'U' bracket.
Cable entries Triple M20 ISO. Two 316 stainless steel stop-ping plugs included. Available with 1/2"NPT, 3/4"NPT or M25 adaptors.
Standards:
IECEX IEC 60079-0 : 2011 IEC 60079-1 : 2014 IEC 60079-31 : 2013
ATEX EN 60079-0 : 2012+A11:2013 EN 60079-1 : 2014 EN 60079-31 : 2014

Alarm Sounders/Horns
Ref: 1-22-180 STExS1F Alarm Horn Sounder 10-30V dc & 100-240V ac 50/60Hz. Max output: 117dB(A) @ 1m - 108dB(A) @ 10ft/3m 64 alarm tones with 4 stages/channels II 2G Ex db IIC T6 Ta. -50° to +65°C II 2G Ex db IIC T5 Ta. -50° to +70°C II 2D Ex tb IIIC Db T85°C Ta. -50° to +70°C 181.6 x 257.1mm (7.15" x 10.1")
Ref: 1-22-190 STExS2F Alarm Horn Sounder 10-30/38-60Vdc & 100-260Vac 50/60Hz. Max output: 123dB(A) @ 1m - 114dB(A) @ 10ft/3m 64 alarm tones with 4 stages/channels II 2G Ex db IIC Gb T6 Ta -50° to +45°C II 2G Ex db IIC Gb T5 Ta -50° to +60°C II 2G Ex db IIC Gb T4 Ta -50° to +70°C II 2D Ex tb IIIC Db T105°C Ta -50° to +70°C 219.6 x 307.5mm (7.15" x 12.11")

Radial Horn Alarm Sounder
Ref: 1-22-185 STExS1R Radial Alarm Sounder/Horn 10-30V dc & 100-240V ac 50/60Hz. Max output: 115dB(A) @ 1m - 106dB(A) @ 10ft/3m 64 alarm tones with 4 stages/channels II 2G Ex db IIC T6 Ta. -50° to +65°C II 2G Ex db IIC T5 Ta. -50° to +70°C II 2D Ex tb IIIC Db T85°C Ta. -50° to +70°C 136.0 x 187.9mm (5.35" x 7.40")

PA Loudspeakers
Ref: 1-22-190 STExL1F PA Loudspeaker 15W 70V/100V or 8 or 16 Ohm low impedance Rated SPL 113dB +/-3dB @ 15W @ 1m II 2G Ex db IIC T6 Ta. -50° to +55°C II 2G Ex db IIC T5 Ta. -50° to +70°C II 2D Ex tb IIIC Db T95°C Ta. -50° to +70°C 181.6 x 257.1mm (7.15" x 10.1")
Ref: 1-22-210 STExL2F PA Loudspeaker 25W 70V/100V or 8 or 16 Ohm low impedance Rated SPL 119dB +/-3dB @ 25W @ 1m II 2G Ex db IIC Gb T6 Ta -50° to +45°C II 2G Ex db IIC Gb T5 Ta -50° to +60°C II 2G Ex db IIC Gb T4 Ta -50° to +70°C II 2D Ex tb IIIC Db T105°C Ta -50° to +70°C 219.6 x 307.5mm (7.15" x 12.11")

