

# BEx Plated Assemblies

**The BEx explosion proof Ex d family of alarm horn sounders, Xenon strobe and LED beacons can be configured to create sets of status lights suitable for onshore and offshore applications.**

Mounted onto a stainless steel backplate, E2S can offer up to 5 different components complete with the option of Exe Junction Box to simplify installation. Status lights configurations can utilise the high power BExBGL2 LED beacon. Warning beacons utilising Xenon strobe technology – available in 5, 10, 15 and 21J outputs (up to 485 Cd) and providing effective warning in all conditions.

## Features

- The BEx range is manufactured from marine grade LM6 Aluminium Alloy which has been chromated and powder coated offering superb resistant to corrosion even under the most severe operating conditions. Standard sets are certified ATEX EX II 2G Exd IIB T4 but other options are available for higher gas groups, temperature ratings and approvals.
- Multi Function LED  
Status Light mode  
Flashing modes
- Xenon Strobe  
5, 10, 15 and 21J versions
- Alarm Sounders  
110dB(A) and 117dB(A) versions
- Junction Box
- GOST-R certificate: POCC GB.JB05.B03365

## Approvals

- See component signal for details.



## Specification

| Part Code:                                  | Approval:  | Classification:  |
|---|------------|--|
| BExBG05D<br>5 Joule<br>Xenon Beacon         | ATEX/IECEX | II 2G Ex d IIC T4 Ta. -50°C to +70°C<br>II 2G Ex d IIC T5 Ta. -50°C to +55°C<br>II 2G Ex d IIC T6 Ta. -50°C to +40°C<br>II 2D Ex tD A21 IP67 T115°C<br>based on max. Ta. 70°C<br>GOST-R 1ExdIICT4 Ta. -50° to +55°C<br>DIP A21 Ta T4   |
| BExBG10D/15D<br>10/15 Joule<br>Xenon Beacon | ATEX/IECEX | II 2G Ex d IIC T4 Ta. -50°C to +70°C<br>II 2G Ex d IIC T5 Ta. -50°C to +40°C<br>II 2D Ex tD A21 IP67 T125°C<br>based on max. Ta. 70°C<br>GOST-R 1ExdIICT4 Ta. -50° to +55°C<br>DIP A21 Ta T4   |
| BExBG21D<br>21 Joule<br>Xenon Beacon        | ATEX/IECEX | II 2G Ex d IIC T3 Ta. -50°C to +70°C<br>II 2G Ex d IIC T4 Ta. -50°C to +55°C<br>II 2D Ex tD A21 IP67 T200°C<br>based on max. Ta. 70°C<br>GOST-R 1ExdIICT4 Ta. -50° to +55°C<br>DIP A21 Ta T4   |
| BExBGL2<br>L.E.D Array<br>Beacon            | ATEX/IECEX | II 2G Ex d IIC T6 Gb Ta. -50°C to +60°C<br>II 2G Ex d IIC T5 Gb Ta. -50°C to +70°C<br>II 2D Ex tb IIIC T60°C Db Ta. -50°C to +40°C<br>II 2D Ex tb IIIC T75°C Db Ta. -50°C to +55°C<br>II 2D Ex tb IIIC T90°C Db Ta. -50°C to +70°C<br>GOST-R 1ExdIICT5 Ta. -50° to +55°C<br>1ExdIICT4 Ta. -50° to +40°C<br>DIP A21 Ta T4 |
| BExS110D<br>110dB(A)<br>Alarm Sounder       | ATEX/IECEX | II 2G Ex d IIB T4 Ta. -50° to +70°C<br>II 2G Ex d IIC T4 Ta. -50° to +55°C<br>GOST-R 1ExdIICT4 Ta. -50° to +55°C   |
| BExS120D<br>117dB(A)<br>Alarm Sounder       | ATEX/IECEX | II 2G Ex d IIB T4 Ta. -50° to +70°C<br>II 2G Ex d IIC T4 Ta. -50° to +55°C<br>GOST-R 1ExdIICT4 Ta. -50° to +55°C   |

Please contact the E2S sales department with your specific requirements.

Please see the individual data sheet for each component signal for full specifications.

## Part Codes

| Part Code:                     | Ident.:   | Description:   |
|--------------------------------|---|--|
| Product type:                  | BExC2J2Alarm Bar – Combined Xenon Strobe Beacon & Alarm<br>BExP2J2Horn Sounder  | Status Light Stack – LED & Xenon Beacons                       |
| Beacon 1                       | 2 = BExBG10D 10J Xenon Beacon   | Select the numeric identifier plus color character as follows: |
| Beacon 2                       | 3 = BExBG15D 15J Xenon Beacon   |  |
| Beacon 3                       | 4 = BExBG21D 21J Xenon Beacon   |  |
| Beacon 4                       | 5 = BExBGL2D LED Beacon   |  |
| Beacon 5                       | A=Amber, B=Blue, C=Clear, G=Green, M=Magenta, R=Red, Y=Yellow<br>e.g. 5R = BExBGL2D LED Beacon with Red lens  |  |
| Alarm Horn<br>Sounder:         | S1F BExS1110DF alarm horn sounder – 117dB(A)<br>S1R BExS110DR alarm horn sounder – 115dB(A)<br>S2F BExS120DF alarm horn sounder – 123dB(A)  |  |
| Voltage:                       | AC115 115-120V ac 50/60Hz<br>AC230 220-230V ac 50/60Hz<br>DC024 24V dc  |  |
| Cable entries: [e]             | A 3 x M20x1.5<br>B 3 x M25x1.5<br>C 3 x 1/2" NPT<br>D 3 x 3/4" NPT  |  |
| Stopping plug<br>material: [m] | N Nylon   |  |
| Lens guard matl.<br>tag: [s]   | &1 A2 304 Stainless Steel with Equip. Tag<br>2 A4 316 Stainless Steel with Equip. Tag<br>3 A2 304 St/St with Equip. Tag & Duty Labels<br>4 A4 316 St/St with Equip. Tag & Duty Labels   |  |
| Version: [v]                   | A1 IECEX & ATEX<br>T1 Tropicalised<br>W1 Special wiring<br>Z1 Special software  |  |
| Enclosure: [x]                 | R Red RAL3000<br>S Special  |  |
| Example:                       | BExC2 J2 5G 2A 2R S1F DC024 A N 1 A1 R<br>GNExC2 Alarm bar assembly with Junction Box, 1 x BExBGL2D LED beacon with green lens, 1 x BExBG10D Xenon beacon with Amber lens, 1 x BExBG10D Xenon beacon with red lens, BExS1110DF Alarm Horn Sounder, 3 x M20x1.5 entry with Nylon stopping plugs, IECEX & ATEX approved with a red plate and enclosures |  |