

# Signal and Alarm: Buzzer, EBZ Series

Flameproof and Dust protection by enclosure

Zone 1 & 2 – 21 & 22



## Application

The EBZ buzzers are used

- for call signals, alarms and other signaling application.
- for flat surface mounted with projectors aimed in the desired direction.
- for zone 1 and 2 hazardous areas.

## Specification

Housing material : Marine grade copper-free aluminium alloy with polyester powder coated, RAL 7032 (grey)

Grill : Marine grade copper-free aluminium alloy with polyester powder coated, RAL 9017 (black)



## Technical Data

|                                 |  |                             |
|---------------------------------|--|-----------------------------|
| <b>Hazardous Area</b>           | <b>Gas</b>   | <b>Dust</b>                 |
| <b>Zones</b>                    | 1 & 2  | 21 & 22                     |
| <b>Equipment Group/Category</b> | II 2G  | II 2D                       |
| <b>Symbol of Protection</b>     | Ex d IIB T6/ T5 Gb                                     | Ex tb IIIC T80°C/ T100°C Db |
| <b>Conformity to Standards</b>  | EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-31:2014 |                             |
| <b>Ambient Temperature</b>      | -20°C to +55°C   |                             |
| <b>Index of Protection</b>      | IP65   |                             |
| <b>Entries</b>                  | 2- 1/2" NPT or 2- 3/4" NPT                             |                             |
| <b>Mounting</b>                 | Wall mounting  |                             |
| <b>Rated Voltage</b>            | 6V.dc, 12V.dc, 110V.ac or 220V.ac 50Hz.                |                             |

## Catalogue Number Logic

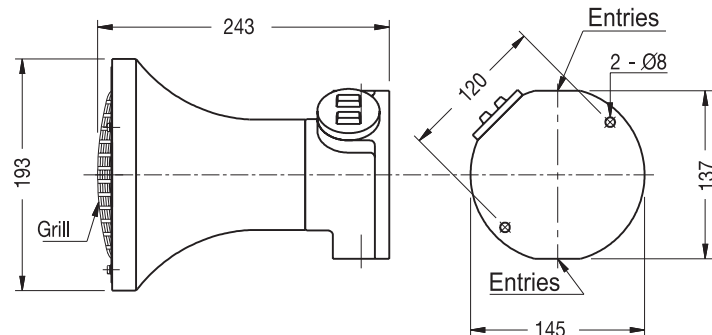
**EBZ** - ■■■ - **N2**

|               |                |             |         |           |                |  |
|---------------|----------------|-------------|---------|-----------|----------------|--|
| <b>Series</b> | <b>Voltage</b> |             |         |           | <b>Entries</b> |  |
| <b>06D</b>    | 6V.dc          | <b>110A</b> | 110V.ac | <b>N1</b> | 1/2" NPT       |  |
| <b>12D</b>    | 12V.dc         | <b>220A</b> | 220V.ac | <b>N2</b> | 3/4" NPT       |  |
| <b>24D</b>    | 24V.dc         |             |         |           |                |  |

## Ordering Requirements

| Cat. No.    | Voltage | Current | Power Consumption | Sound Level at 10 ft. (dB.) | Temp. Class (for zone 1 & 2) |         | Max. Surface Temp.* (for zone 21 & 22) |         | Volume (cm <sup>3</sup> ) | Approx. Weight (kgs.) |
|-------------|---------|---------|-------------------|-----------------------------|------------------------------|---------|--|---------|---------------------------|-----------------------|
|             |         |         |                   |                             | Ta 40°C                      | Ta 55°C | Ta 40°C                                | Ta 55°C |                           |                       |
| EBZ-06D-N2  | 6V.dc   | 0.03A.  | 0.72VA.           | 95                          | T6                           | T5      | T80°C                                  | T100°C  | 1,580                     | 4.52                  |
| EBZ-12D-N2  | 12V.dc  | 0.041A. | 0.5VA.            |                             |                              |         |  |         |                           |                       |
| EBZ-24D-N2  | 24V.dc  | 0.021A. | 0.5VA.            |                             |                              |         |  |         |                           |                       |
| EBZ-110A-N2 | 110V.ac | 0.022A. | 2.5VA.            | 95                          | T6                           | T5      | T80°C                                  | T100°C  | 1,580                     | 4.52                  |
| EBZ-220A-N2 | 220V.ac | 0.011A. | 2.5VA.            |                             |                              |         |  |         |                           |                       |

## Dimension



Remark \* : The maximum surface temperatures are specified for dust free condition. The dust layer which may cover around the lighting fixture will cause to higher surface temperature.

