

# ETS

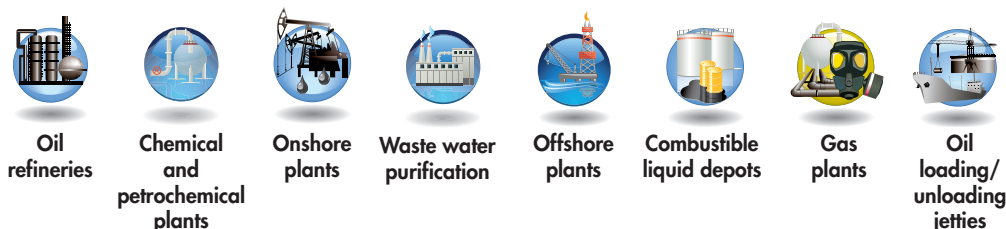
- Zones 1, 2, 21, 22
- Ex d protection
- Max. 114 dB



## ETS series Rotating electromechanical siren

ETS electromechanical sirens are used in potentially explosive environments such as oil refineries and chemical and petrochemical plants or in areas where flammable dusts or substances are present. Given the high level of sound they emit, they are used outdoors in industrial environments where there is significant background noise. They are used for different applications such as fire alarms, safety alarms, for emergencies and to signal plant evacuation and intrusion.

### Application sectors:



### CERTIFICATION DATA

#### Classification:

Group

Category 2GD

#### Installation: EN 60079.14

zone 1 - zone 2 (Gas)

zone 21 - zone 22 (Dust)

#### Marking:

CE Ex II 2 GD Ex d IIC T6 Ex tD A21 IP65

#### Certification:

ATEX INERIS 02 ATEX 0001

#### Standards:

CENELEC EN 60079-0: 2006, EN 60079-1: 2004, EN 61241-0: 2006, EN 61241-1: 2004 and EUROPEAN DIRECTIVE 2014/34/UE

#### Class temperature:

85°C (T6)

#### Ambient temperature:

-20°C +40°C

#### Degree of protection:

IP65



### MECHANICAL FEATURES

|                          |                                                                      |
|--------------------------|----------------------------------------------------------------------|
| <b>Body and cover:</b>   | Low copper content aluminium alloy                                   |
| <b>Protection:</b>       | Chrome coloured AaaaBS plastic                                       |
| <b>Gasket:</b>           | Acid, hydrocarbon and high temperature resistant silicone            |
| <b>Bolts and screws:</b> | Stainless steel                                                      |
| <b>Mounting:</b>         | Direct to 3/4" entry or with mounting bracket (available on request) |
| <b>Entries:</b>          | 1 x 3/4" Rc UNI ISO 7/1                                              |
| <b>Coating:</b>          | Epoxy vinyl coating Ral 7000 (squirrel grey)                         |

### ELECTRICAL FEATURES

#### ETS60/109 signaller

|                       |                   |       |       |       |       |       |
|-----------------------|-------------------|-------|-------|-------|-------|-------|
| <b>Rated voltage:</b> | Vac/dc $\pm 10\%$ | 12    | 24    | 48    | 110   | 230   |
| <b>Frequency:</b>     | Hz                | 50/60 | 50/60 | 50/60 | 50/60 | 50/60 |
| <b>Current:</b>       | A                 | 10,6  | 6,1   | 3,4   | 1,1   | 0,6   |
| <b>Operation:</b>     | Intermittent      |       |       |       |       |       |

#### ETS60/114 signaller

|                       |                   |       |       |       |       |
|-----------------------|-------------------|-------|-------|-------|-------|
| <b>Rated voltage:</b> | Vac/dc $\pm 10\%$ | 12    | 24    | 115   | 230   |
| <b>Frequency:</b>     | Hz                | 50/60 | 50/60 | 50/60 | 50/60 |
| <b>Current:</b>       | A                 | 11,5  | 5,9   | 1,6   | 0,9   |
| <b>Operation:</b>     | Intermittent      |       |       |       |       |

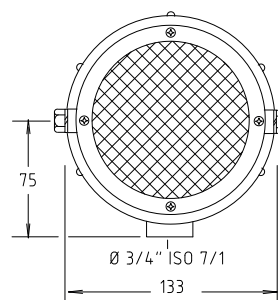
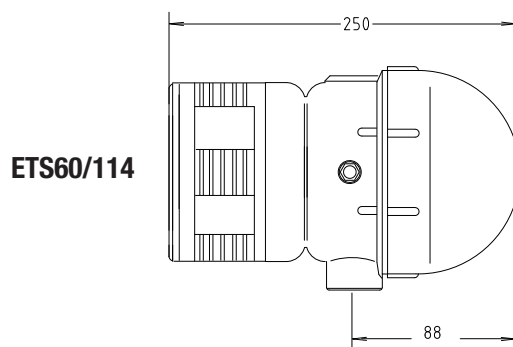
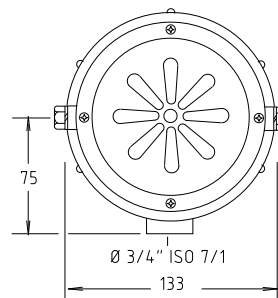
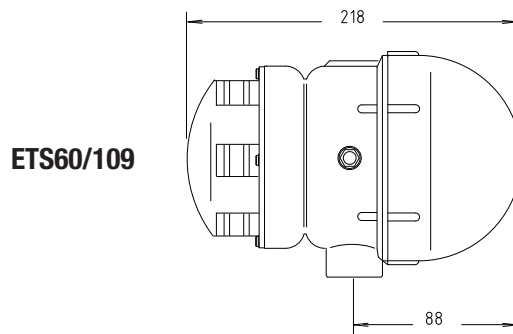
### ACCESSORIES AVAILABLE / SPECIAL REQUESTS

Cable gland: NEVB2B for armoured cable or NAVB2B for non-armoured cable  
 Adjustable support bracket  
 Epoxy vinyl coating in different colours  
 NPT or ISO M25 threads  
 Different rated voltages

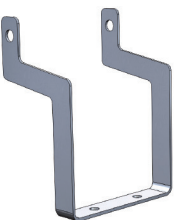
## ETS series selection chart

| Code                   | Intermittent operation | Voltage    | Sound level |      | Weight<br>kg | <br>mm |
|------------------------|------------------------|------------|-------------|------|--------------|-------------------------------------------------------------------------------------------|
|                        |                        |            | Frequency   | Db/m |              |                                                                                           |
| <b>ETS60/109DB12V</b>  | 2 Min. ON / 5 Min. OFF | 12 V Ac/Dc | 1150 Hz     | 109  | 2,8          | 230x140x140                                                                               |
| <b>ETS60/109DB24V</b>  | 2 Min. ON / 5 Min. OFF | 24 V Ac/Dc | 1250 Hz     | 109  | 2,8          | 230x140x140                                                                               |
| <b>ETS60/109DB48V</b>  | 2 Min. ON / 5 Min. OFF | 48 V Ac/Dc | 1300 Hz     | 109  | 2,8          | 230x140x140                                                                               |
| <b>ETS60/109DB115V</b> | 2 Min. ON / 5 Min. OFF | 110 V Ac   | 1300 Hz     | 109  | 2,8          | 230x140x140                                                                               |
| <b>ETS60/109DB230V</b> | 2 Min. ON / 5 Min. OFF | 230 V Ac   | 1300 Hz     | 109  | 2,8          | 230x140x140                                                                               |
| <b>ETS60/114DB12V</b>  | 2 Min. ON / 5 Min. OFF | 12 V Ac/Dc | 650 Hz      | 114  | 3,4          | 260x140x140                                                                               |
| <b>ETS60/114DB24V</b>  | 2 Min. ON / 5 Min. OFF | 24 V Ac/Dc | 650 Hz      | 114  | 3,4          | 260x140x140                                                                               |
| <b>ETS60/114DB115V</b> | 2 Min. ON / 5 Min. OFF | 115 V Ac   | 650 Hz      | 114  | 3,4          | 260x140x140                                                                               |
| <b>ETS60/114DB230V</b> | 2 Min. ON / 5 Min. OFF | 230 V Ac   | 650 Hz      | 114  | 3,4          | 260x140x140                                                                               |

### DIMENSIONAL DRAWINGS



Dimensions in mm

| ILLUSTRATION                                                                        | DESCRIPTION                | MODEL        | FEATURES                                                                                                | CODE                           | KEY                                                                                                                                                                         |
|-------------------------------------------------------------------------------------|----------------------------|--------------|---------------------------------------------------------------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Adjustable support bracket | ETS60/109... | Material:<br>galvanised steel                                                                           | <b>K-340</b>                   |   |
|                                                                                     |                            | ETS60/114... |                                                                                                         | <b>K-340/1</b>                 |                                                                                                                                                                             |
|  | Cable gland                |              | For cable gland models<br>and codes see<br><a href="http://www.cortemgroup.com">www.cortemgroup.com</a> | <b>NAVB2B</b><br><b>NEVB2B</b> |   |