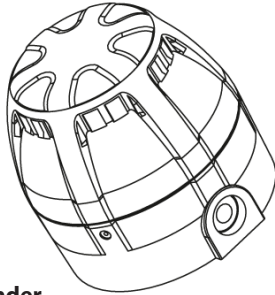


## Installation Guide

# Danfoss Gas Sensor Strobe and Horn

ENGLISH



Code no. 080Z2819

### Alarm Sounder

Current consumption: 9 ~ 35 mA (Siren)/ 4 ~ 6 mA (Flash)

Operating voltage: 9 ~ 28V DC

IP rating: IP 65

Operating temp.: -20 ~ +70 °C / -4.0 °F ~ +158 °F

Sound output: 67-100 dB(A)/98 dB(A) at DIN-Tone/Potentiometer

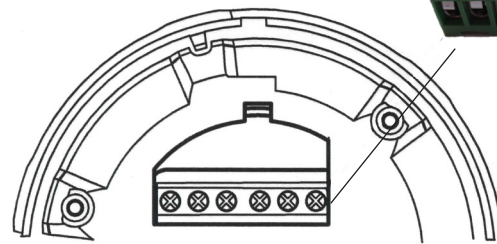
Number of user-selectable tones: 39

Lens colour: Red

Material: Housing: ABS FR; lens: PC

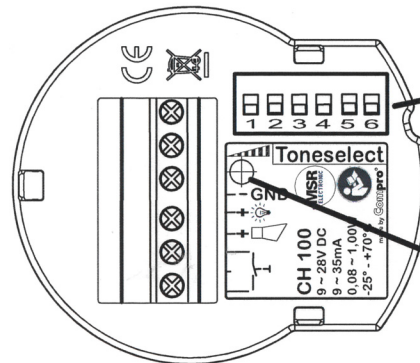
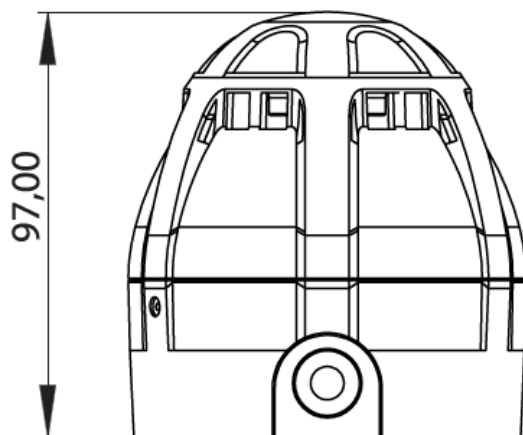
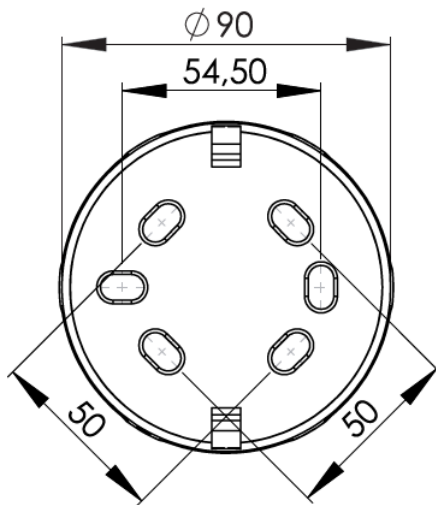
Note:

Removeable screw terminals



Range: 16 - 24 AWG  
Metric: 0.25.... 1.50 mm<sup>2</sup>

## Dimensions and appearance



For tone select:  
See table page 4

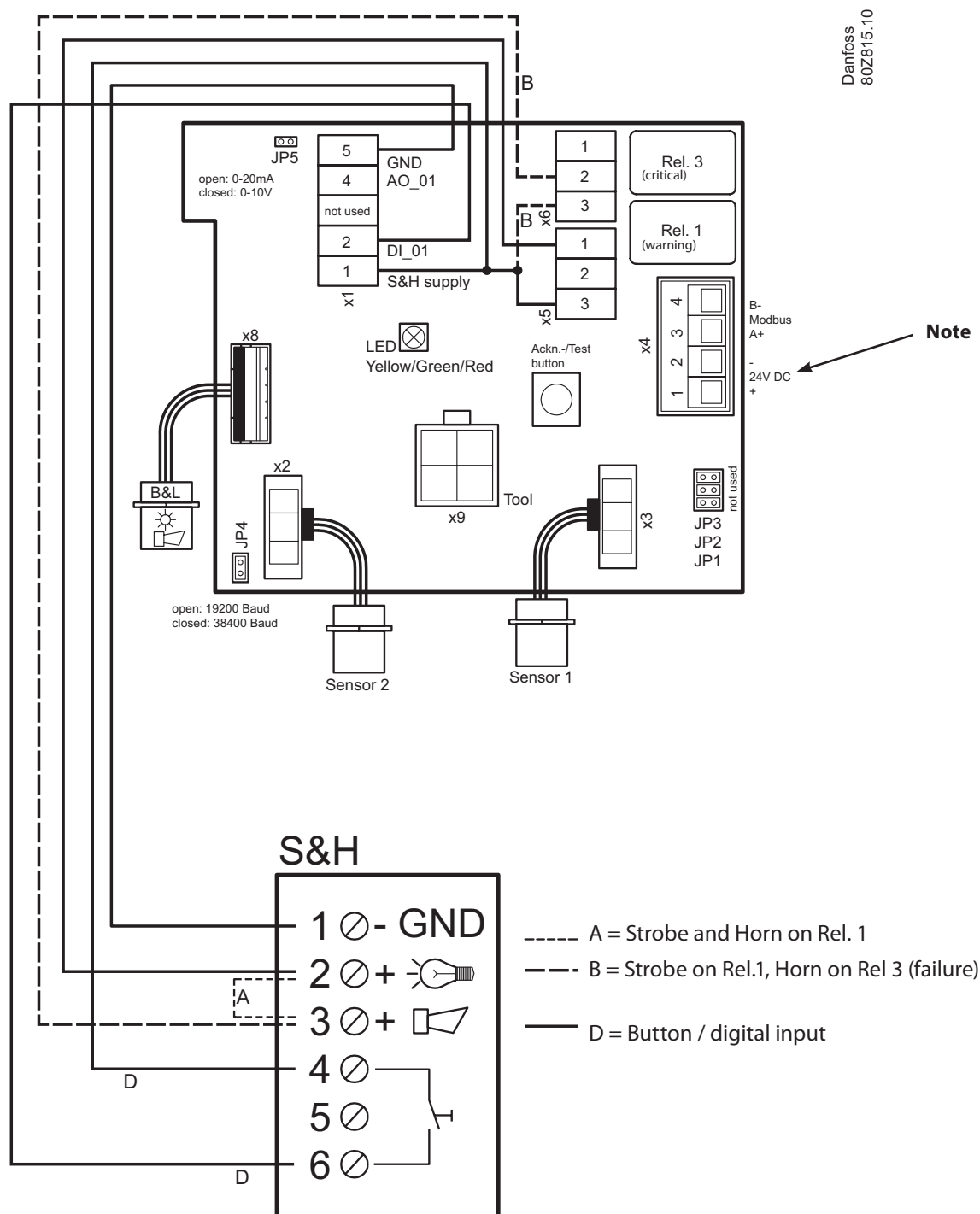
Volume control:  
louder: turn clock-  
wise

**Note:**

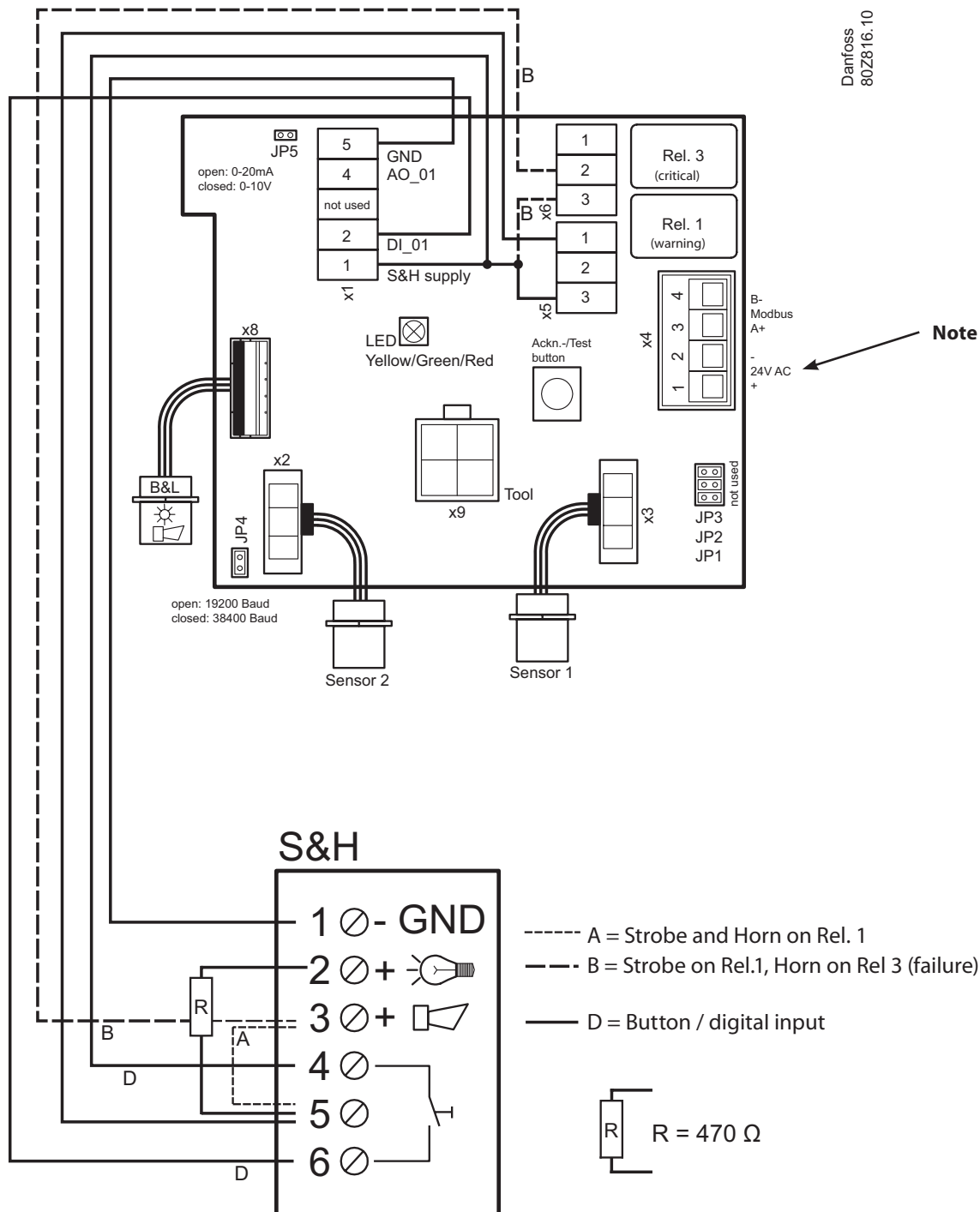
Max. 1 Strobe and Horn unit may  
be connected to the DGS.

Note: A single 470 ohm resistor is supplied with the  
product and must be used when the S&H is powered  
from the DGS and the DGS is powered by AC power -  
see page 3.

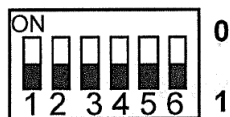
## Supply voltage to DGS is DC



# Supply voltage to DGS is AC



## Tone select



| 1.<br>Tone | Tone<br>select | Tone description   |                       |                                                         |  | Application                 | mA @<br>12VDC | dB(A)<br>@1m,<br>90°,<br>12VDC | mA @<br>24VDC | dB(A)<br>@1m,<br>90°,<br>24VDC |
|------------|----------------|--------------------|-----------------------|---------------------------------------------------------|--|-----------------------------|---------------|--------------------------------|---------------|--------------------------------|
| 0          | 11111          | Rising and falling | 150 to 1000 to 150 Hz | 10 s - 40 s - 10 s                                      |  | Highest                     | 27            | 93                             | 35            | 97                             |
| 1          | 01111          | Alternating        | 800 & 970 Hz          | 2 Hz (250 ms - 250 ms)                                  |  | BS Fire                     | 20            | 93,5                           | 30            | 98                             |
| 2          | 10111          | Rising             | 800 & 970 Hz          | 7 Hz (7/s)                                              |  | BS Fire                     | 20            | 93                             | 29            | 97                             |
| 3          | 00111          | Rising             | 800 & 970 Hz          | 1 Hz (1/s)                                              |  | BS Fire                     | 20            | 94                             | 30            | 97                             |
| 4          | 11011          | Constant tone      | 2850 Hz               | Continuous                                              |  |                             | 18            | 88                             | 23            | 95                             |
| 5          | 01011          | Rising             | 2400 to 2850 Hz       | 7 Hz (7/s)                                              |  |                             | 18            | 87                             | 23            | 95                             |
| 6          | 10011          | Rising             | 2400 to 2850 Hz       | 1 Hz (1/s)                                              |  |                             | 17            | 87                             | 23            | 96                             |
| 7          | 00011          | Rising             | 300 to 1200 Hz        | 3s rising, 0.5s silence, then repeat                    |  | Netherlands Fire (NEN 2575) | 20            | 94                             | 23            | 98                             |
| 8          | 11101          | Falling            | 1200 to 500 Hz        | 1 Hz                                                    |  | German Fire (DIN 33 404)    | 21            | 93                             | 31            | 98                             |
| 9          | 01101          | Alternating        | 2400 & 2850 Hz        | 2 Hz (250 ms - 250 ms)                                  |  |                             | 18            | 87                             | 24            | 95                             |
| 10         | 10101          | Interrupted        | 970 Hz                | 0.5 Hz (1s ON/ 1s OFF)                                  |  | PFEER alert                 | 17            | 92                             | 20            | 97                             |
| 11         | 00101          | Alternating        | 800 & 970 Hz          | 1 Hz (500 ms - 500 ms)                                  |  | BS Fire                     | 20            | 93                             | 30            | 97                             |
| 12         | 11001          | Interrupted        | 2850 Hz               | 0.5 Hz (1s ON/ 1s OFF)                                  |  |                             | 17            | 88                             | 21            | 96                             |
| 13         | 01001          | Interrupted        | 970 Hz                | 0.8 Hz (250 ms ON/1s OFF)                               |  |                             | 17            | 92                             | 21            | 97                             |
| 14         | 10001          | Constant tone      | 970 Hz                | Continuous                                              |  | PFEER toxic gas             | 20            | 92                             | 28            | 97                             |
| 15         | 00001          | Alternating        | 554 & 440 Hz          | 100 ms - 400 ms                                         |  | French Fire (NFS32-001)     | 22            | 91                             | 35            | 96                             |
| 16         | 11101          | Interrupted        | 660 Hz                | 3.3 Hz (150 ms ON/150 ms OFF)                           |  | Swedish (Air Raid)          | 18            | 91                             | 26            | 96                             |
| 17         | 011101         | Interrupted        | 660 Hz                | 0.28 Hz (1.8 s ON/1.8 s OFF)                            |  | Swedish (local warning)     | 18            | 91                             | 23            | 96                             |
| 18         | 101101         | Interrupted        | 660 Hz                | 0.05 Hz (6.5 s ON/13 s OFF)                             |  | Swedish (Pre-mess)          | 18            | 91                             | 26            | 96                             |
| 19         | 001101         | Constant tone      | 660 Hz                | Continuous                                              |  | Swedish (All Clear)         | 20            | 91                             | 31            | 96                             |
| 20         | 110101         | Alternating        | 554 & 440 Hz          | 0.5 Hz (1s ON/ 1s OFF)                                  |  | Swedish (Turn out)          | 22            | 91                             | 35            | 96                             |
| 21         | 010101         | Interrupted        | 660 Hz                | 1 Hz (500 ms - 500 ms)                                  |  | Swedish common              | 20            | 91                             | 21            | 96                             |
| 22         | 100101         | Interrupted        | 2850 Hz               | 4 Hz (150 ms ON/100 ms OFF)                             |  | Pelican crossing            | 18            | 88                             | 22            | 95                             |
| 23         | 000101         | Ansteigend         | 800 to 970 Hz         | 50 Hz                                                   |  | BS Fire                     | 21            | 90                             | 30            | 96                             |
| 24         | 111001         | Ansteigend         | 2400 & 2850 Hz        | 50 Hz                                                   |  |                             | 20            | 85                             | 25            | 93                             |
| 25         | 011001         | Interrupted        | 970 Hz                | 3 x 500 ms Pulse followed by 1.5 s silence, then repeat |  | ISO 8201                    | 19            | 92                             | 23            | 97                             |
| 26         | 101001         | Interrupted        | 2850 Hz               | 3 x 500ms Pulse followed by 1.5 s silence, then repeat  |  | ISO 8201                    | 19            | 88                             | 23            | 95                             |
| 27         | 001001         | Constant tone      | 4000 Hz               | Continuous                                              |  | ISO 8201                    | 19            | 90                             | 23            | 95                             |
| 28         | 110001         | Alternating        | 800 & 970 Hz          | 2 Hz (250 ms - 250 ms)                                  |  | BS Fire                     | 22            | 93                             | 30            | 97                             |
| 29         | 010001         | Alternating        | 990 & 650 Hz          | 2 Hz (250 ms - 250 ms)                                  |  | BS Fire                     | 23            | 92                             | 35            | 97                             |
| 30         | 100001         | Alternating        | 510 & 610 Hz          | 2 Hz (250 ms - 250 ms)                                  |  | BS Fire                     | 23            | 91                             | 35            | 96                             |
| 31         | 000001         | Rising             | 300 to 1200 Hz        | 1 Hz                                                    |  |                             | 22            | 93                             | 34            | 97                             |
| 32         | 111110         | Constant tone      | 4000 Hz               | Continuous                                              |  | BS Fire                     | 20            | 91                             | 25            | 96                             |
| 33         | 011110         | Constant tone      | 990 Hz                | Continuous                                              |  |                             | 21            | 92                             | 30            | 97                             |
| 34         | 101110         | Interrupted        | 990 Hz                | 1 Hz (500 ms ON/500 ms OFF)                             |  |                             | 19            | 92                             | 21            | 97                             |
| 35         | 001110         | Constant tone      | 510 Hz                | Continuous                                              |  |                             | 23            | 91                             | 35            | 96                             |
| 36         | 110110         | Interrupted        | 510 Hz                | 1 Hz (500 ms ON/500 ms OFF)                             |  |                             | 20            | 91                             | 22            | 96                             |
| 37         | 010110         | Constant tone      | 850 Hz                | Continuous                                              |  |                             | 21            | 89                             | 30            | 96                             |
| 38         | 100110         | Constant tone      | 1650 Hz               | Continuous                                              |  |                             | 20            | 86                             | 24            | 94                             |

PFEER Prevention of Fire Explosion and Emergency Response  
BS British Standard  
DIN Deutsche Industrie Norm  
ISO International Organisation of Standardization