

# LED Double Flash/ Multi-Tone Sounder Combination



Base mounting



Wall mounting

- Multi-Tone Sounder in combination with LED Double Flash
- Sound output adjustable up to 114 dB
- 32 tones for a diverse range of applications
- 3 Tones can be triggered externally
- Optical and audible signal can be triggered separately



## TECHNICAL SPECIFICATIONS:

|                             |                                                              |
|-----------------------------|--------------------------------------------------------------|
| Dimensions (L x H x W):     | 109 mm x 113 mm x 152 mm                                     |
| Housing:                    | PC/ABS-Blend                                                 |
| Lens:                       | PC, transparent                                              |
| Connection:                 | Screw terminal with wire protection max. 1.5 mm <sup>2</sup> |
| Cable entry:                | Membrane for cable diameter max. 13 mm                       |
| Fixing:                     | Wall, base and ceiling mounting                              |
| Life duration:              | Up to 50,000 hrs (LED Double Flash)                          |
| Flash frequency:            | c. 1 Hz                                                      |
| Tone types and frequencies: | Selectable via DIP switch, see table on page 192             |

Life duration  
up to 50,000 hrs



## ORDER SPECIFICATIONS:

|                     | 24 V ≈            | 115 V ~           | 230 V ~           |
|---------------------|-------------------|-------------------|-------------------|
| Voltage             |                   |                   |                   |
| Current consumption |                   |                   |                   |
| Optical             | 60 mA             | 30 mA             | 30 mA             |
| Audible             | 200 mA            | 55 mA             | 30 mA             |
| red                 | <b>444 100 75</b> | <b>444 100 67</b> | <b>444 100 68</b> |
| yellow              | <b>444 300 75</b> | <b>444 300 67</b> | <b>444 300 68</b> |



## ACCESSORIES:

|                                                              |                   |
|--------------------------------------------------------------|-------------------|
| Cable gland M 20 x 1.5 mm (for cable strain relief)          | <b>975 444 01</b> |
| Protection rating IP 65 is provided even without cable gland |                   |

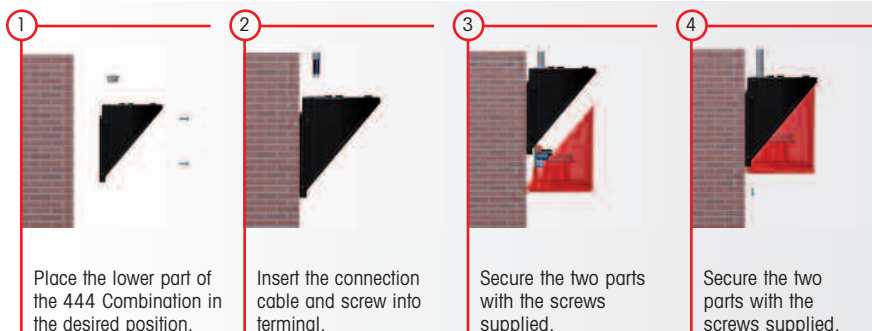


## tone types and frequencies:

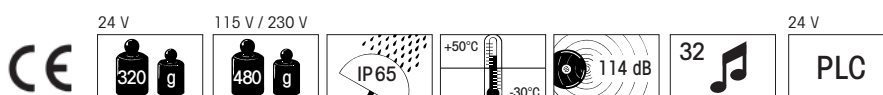
Selectable via DIP switch, see tone table on page 192.



## QUICK AND SIMPLE MOUNTING



TECHNICAL DIAGRAMS: see page 273



The 444 Combinations (Page 190 + 191) offer a large choice of international signal tones for the widest spectrum of applications. 3 tones can be triggered externally.



### TONE TYPES AND FREQUENCIES:



| Tone 1 | Tone type   | Frequency    | Description                                                         | Use                                  | Tone 2        | Tone 3        |
|--------|-------------|--------------|---------------------------------------------------------------------|--------------------------------------|---------------|---------------|
| 1      | continuous  | 200          |                                                                     | BS 5839-1:2002, VDS                  | 440 Hz cont.  | 554 Hz cont.  |
| 2      | rising      | 800 & 970    | 7 Hz                                                                |                                      | 14            | 800 Hz cont.  |
| 3      | rising      | 800 & 970    | 1 Hz                                                                |                                      | 14            | 800 Hz cont.  |
| 4      | continuous  | 2850         |                                                                     |                                      | 14            | 9             |
| 5      | rising      | 2400 to 2850 | 7 Hz                                                                | VDS                                  | 4             | 2400 Hz cont. |
| 6      | rising      | 2400 to 2850 | 1 Hz                                                                |                                      | 4             | 2400 Hz cont. |
| 7      | rising      | 500 to 1200  | 3 s, then 0.5s OFF (then repeat)                                    |                                      | 14            | 8             |
| 8      | falling     | 1200 to 500  | 1 Hz                                                                | VDS                                  | 14            | 7             |
| 9      | alternating | 2400 & 2850  | 2 Hz                                                                |                                      | 4             | 2400 Hz cont. |
| 10     | pulse       | 970          | 0.5 Hz (1s On/1s Off)                                               | BS 5839 Part 1 1988                  | 14            | 800 Hz cont.  |
| 11     | alternating | 800 & 970    | 1 Hz                                                                | BS 5839 Part 1 1988                  | 14            | 800 Hz cont.  |
| 12     | pulse       | 2850         | 0. Hz                                                               |                                      | 4             | 22            |
| 13     | pulse       | 970          |                                                                     | 0,25s On/1s Off                      | 14            | 800 Hz cont.  |
| 14     | continuous  | 970          |                                                                     | BS 5839-1: 2002<br>PFEER - Toxic gas | 10            | 8             |
| 15     | alternating | 554 & 440    |                                                                     | France NFS                           | 14            | 800 Hz cont.  |
| 16     | pulse       | 660          | 150 ms On / 150 ms Off                                              | Swedish                              | 16            | 14            |
| 17     | pulse       | 660          | 1.8s On / 1.8s Off                                                  | Swedish                              | 17            | 14            |
| 18     | pulse       | 660          | 6.5s On / 13s Off                                                   | Swedish                              | 18            | 14            |
| 19     | continuous  | 660          |                                                                     | Swedish                              | 19            | 31            |
| 20     | alternating | 554 & 440    | 0.5 Hz                                                              |                                      | 20            | 19            |
| 21     | pulse       | 660          | 1 Hz                                                                | Swedish                              | 21            | 4             |
| 22     | pulse       | 2850         | 150 ms On / 100 ms Off                                              | GB                                   | 14            | 4             |
| 23     | rising      | 800 to 970   | 50 Hz (low)                                                         | BS 5839 Part 1 1988                  | 14            | 800 Hz cont.  |
| 24     | rising      | 2400 to 2850 | 50 Hz (high)                                                        |                                      | 4             | 2400 Hz cont. |
| 25     | pulse       | 970          | 3 x 500 ms ON / 500ms<br>OFF / 1.5s silence,<br>then repeat (low)   | ISO 8201<br>US Temporal              | 26            | 14            |
| 26     | pulse       | 2850         | 3 x 500 ms ON / 500 ms<br>OFF / 1.5s silence,<br>then repeat (high) | ISO 8201<br>US Temporal              | 25            | 4             |
| 27     | continuous  | 4000         |                                                                     |                                      | 27            | 6             |
| 28     | rising      | 2000 to 2850 | 7 Hz                                                                |                                      | 2000 Hz cont. | 4             |
| 29     | alternating | 988 & 645    | 2 Hz                                                                |                                      | 988 Hz cont.  | 645 Hz cont.  |
| 30     | alternating | 510 & 610    | 2 Hz                                                                |                                      | 510 Hz cont.  | 610 Hz cont.  |
| 31     | alternating | 800 & 970    | 2 Hz                                                                | 5839-1:2002                          | 800 cont.     | 14            |
| 32     | alternating | 800 & 1200   | 1 Hz                                                                |                                      | 800 cont.     | 1200 Hz cont. |

