

**Panel Sounder and Panel Sounder with LED**

| Technical                     |  |   |               |                |                            |       |
|-------------------------------|--|---|---------------|----------------|----------------------------|-------|
| Housing:                      | Base Material  | Polycarbonate, black                                      |               |                |                            |       |
|                               | Lens   | Polycarbonate, red, amber, yellow, green, blue, and clear |               |                |                            |       |
| Protection class              | IP65/UL Type 4, 4X, 13   |   |               |                |                            |       |
| Terminals                     | Plug-in terminal block, up to 2.5 mm <sup>2</sup> (14 AWG)               |   |               |                |                            |       |
| Operation temperature range   | -25...+60°C  |   |               |                |                            |       |
| Storage temperature range     | -25...+85°C  |   |               |                |                            |       |
| Mounting                      | Central mounting for bore holes 22.5 mm or 30.5 mm with Hole Adapter Kit |   |               |                |                            |       |
| Mounting Nut Torque           | 15 in-lb (1.7 N-m)   |   |               |                |                            |       |
| Electrical                    |  |   |               |                |                            |       |
|                               |  | Sounder   |               |                | Sounder with Warning Light |       |
|                               |  | 65 mm   | 45 mm         | 30 mm          | 65 mm                      | 45 mm |
| Supply voltage range          | 12V AC/DC - 50/60 Hz   | —   | —             | —              | ±10%                       | ±10%  |
|                               | 24V AC/DC - 50/60 Hz   | —   | —             | —              | ±10%                       | ±10%  |
|                               | 12...24V AC/DC - 50/60 Hz  | 8...26V AC/DC   | 8...26V AC/DC | 10...26V AC/DC | —                          | —     |
|                               | 120V AC - 50/60 Hz   | 50...140V AC  | 50...140V AC  | 80...140V AC   | ±10%                       | ±10%  |
|                               | 230/240V AC - 50/60 Hz   | 150...260V AC   | 150...260V AC | 180...260V AC  | ±10%                       | ±10%  |
| Nominal current               | 12V AC/DC - 50/60 Hz   | —   | —             | —              | 50 mA                      | 35 mA |
|                               | 24V AC/DC - 50/60 Hz   | 57 mA   | 20 mA         | 20 mA          | 73 mA                      | 48 mA |
|                               | 120V AC - 50/60 Hz   | 40 mA   | 40 mA         | 20 mA          | 60 mA                      | 40 mA |
|                               | 230/240V AC - 50/60 Hz   | 42 mA   | 42 mA         | 20 mA          | 63 mA                      | 42 mA |
| Turn-on Leakage Current       | ≥3 mA  |   |               |                |                            |       |
| Maximum sound level (average) | 105 dBA in 1 m   | 100 dBA in 1 m  | 80 dBA in 1 m | 103 dBA in 1 m | 98 dBA in 1 m              | —     |
| Minimum sound level           | <85 dB   | <85 dB  | —             | <85 dB         | <85 dB                     | —     |
| Sound level adjustment        | Stepless   | Stepless  | —             | Stepless       | Stepless                   | —     |
| Sound main frequency          | 3300 Hz  | 3300 Hz   | 3500 Hz       | 3300 Hz        | 3300 Hz                    | —     |
| Sound types                   | Continuous   | Yes   | Yes           | Yes            | Yes                        | Yes   |
|                               | Pulsing  | Yes   | Yes           | Yes            | Yes                        | Yes   |
|                               | Alternating frequency  | Yes   | No            | No             | Yes                        | No    |
| Sound selection               | Externally by terminal connection  |   |               |                |                            |       |
| Weight                        | 65 g   | 35 g  | 25 g          | 85 g           | 55 g                       | —     |

**Panel Light**

| Technical                   |  |   |       |             |               |               |       |
|-----------------------------|--|---|-------|-------------|---------------|---------------|-------|
| Housing:                    | Base Material  | Polycarbonate, black                                      |       |             |               |               |       |
|                             | Lens   | Polycarbonate, red, amber, yellow, green, blue, and clear |       |             |               |               |       |
| Protection class            | IP65/UL Type 4, 4X, 13   |   |       |             |               |               |       |
| Terminals                   | Plug-in terminal block, up to 2.5 mm <sup>2</sup> (14 AWG)               |   |       |             |               |               |       |
| Operation temperature range | -25...+60°C  |   |       |             |               |               |       |
| Storage temperature range   | -25...+85°C  |   |       |             |               |               |       |
| Mounting                    | Central mounting for bore holes 22.5 mm or 30.5 mm with Hole Adapter Kit |   |       |             |               |               |       |
| Mounting Nut Torque         | 15 in-lb (1.7 N-m)   |   |       |             |               |               |       |
| Electrical                  |  |   |       |             |               |               |       |
|                             |  | LED — Steady/Flashing                                     |       |             | Strobe Light  |               |       |
|                             |  | 65 mm   | 45 mm | 30 mm       | 65 mm         | 45 mm         | 30 mm |
| Supply voltage range        | 12V AC/DC - 50/60 Hz   | ±10%  | ±10%  | ±10%        | —             | —             | ±10%  |
|                             | 24V AC/DC - 50/60 Hz   | ±10%  | ±10%  | ±10%        | —             | —             | ±10%  |
|                             | 12...24V AC/DC 50/60 Hz  | —   | —     | —           | 8...26V AC/DC | 8...26V AC/DC | —     |
|                             | 120V AC - 50/60 Hz   | ±10%  | ±10%  | ±10%        | ±10%          | ±10%          | ±10%  |
|                             | 230/240V AC - 50/60 Hz   | ±10%  | ±10%  | ±10%        | ±10%          | ±10%          | ±10%  |
| Nominal current             | 12V AC/DC - 50/60 Hz   | 75 mA   | 60 mA | 30 mA       | —             | —             | 15 mA |
|                             | 24V AC/DC - 50/60 Hz   | 54 mA   | 35 mA | 25 mA       | —             | —             | 10 mA |
|                             | 12...24V AC/DC 50/60 Hz @ 12V  | —   | —     | —           | 150 mA        | 110 mA        | —     |
|                             | 12...24V AC/DC 50/60 Hz @ 24V  | —   | —     | —           | 140 mA        | 100 mA        | —     |
|                             | 120V AC - 50/60 Hz   | 25 mA   | 25 mA | 20 mA       | 30 mA         | 20 mA         | 10 mA |
| 230/240V AC - 50/60 Hz      | 25 mA  | 25 mA   | 20 mA | 20 mA       | 12 mA         | 10 mA         |       |
| Turn-on Leakage Current     | ≥3 mA  |   |       |             |               |               |       |
| Steady/Flashing light       | Externally by terminal connection  |   |       |             |               |               |       |
| Flash frequency             | 2 Hz   | 2 Hz  | 2 Hz  | min. 1.4 Hz | min. 1.4 Hz   | min. 1.4 Hz   |       |
| Light source                | LED  |   |       | Xenon tube  |               |               |       |
| Flash energy                | —  | —   | —     | 1 J         | 0.5 J         | —             |       |
| Weight                      | 60 g   | 40 g  | 40 g  | 80 g        | 60 g          | 40 g          |       |