

# Sounder-Strobe

## CWS/SOUR/STRC, CWS/SOUW/STRC



- **Optional modules for integration in**
  - loop with **Labor Strauss protocol**
  - **RF fire detection system FI7x0/RF**
- **32 different tone types selectable, alternative tone for multi-stage alarming**
- **Adjustable sound level up to 100dB**
- **White high-performance LEDs**
- **EN 54-23 Class W**
- **Protection class IP65**



### Description

The wall sounder-strobe is used if in addition to the sounder tone, optical alarming according to EN 54-23 is required. The sounder has 32 different tones, of which the following four tones have been tested according to EN 54-3:

- Alternating tone 800Hz/1000Hz,
- Continuous tone 970Hz,
- Slow Whoop tone NEN 2575,
- DIN 33404 tone.

The tone is selected via DIL switches. If the sounder is actuated via 2 control panel outputs, it can also be operated with an alternative tone. In this way, multi-stage alarming with 2 different tones can be implemented. The sound level is adjusted in 4 steps, by means of DIL switches.

Thanks to the use of light emitting diodes, the strobe with clear cap and white light has a low power consumption. The strobe has been tested according to EN 54-23 **Class W** (wall). Due to the optimised design of the lens, very high illumination of the room is achieved.

If multiple sounder-strobes are used, the tones as well as the flash period of all signalling devices on a line are synchronised in order to generate a uniform warning tone and light pulse.

The signalling device is available with a red or white plastic housing, and thanks to its robust, dust and water protected design with protection class IP65, it is suitable for use under harsh environmental conditions.

By installing the optional loop control module **FI750/M/SST**, the sounder-strobe can be actuated and powered via the loop with Labor Strauss protocol. The module is to be installed in the bottom part of the signalling device housing and is to be connected to the signalling device

through plug contacts. Depending on the parameter setup and the system conditions, the loop sounder-strobe that is created in this way can be activated by the fire detection control panel with two tones, according to the set tone type combination.

A dual-isolator that is integrated into the module disconnects the loop in case of a short circuit. In this way, the undisturbed communication with the loop elements outside the faulty loop section is ensured.

The address of the module is set by means of the hand-held Programming Unit FI750/PU within the range 1 to 240. Alternatively, the module can be addressed automatically if it is connected to a compatible fire detection control panel.

By installing the optional wireless control module **FI720/RF/M/SST**, the sounder-strobe can be actuated in a wireless fire detection system FI720/RF or FI700/RF. The RF module communicates with a fire detection control panel in loop technology (Labor Strauss protocol) via the Loop RF Interface FI7x0/RF/W2W. Alternatively, the Conventional RF Expander FI7x0/RF/CWE serves as gateway in a conventional fire detection system. The tone and the sound level are set on the signalling device by means of a DIL switch.

In the housing of the module, two batteries are accommodated which reliably power the module and the sounder-strobe over a long time. The two-coloured LED indicator displays the system conditions of the module.

During the learning phase, the address is set in the range 2 to 240 by means of the configuration software WireEx.

*Building Safety. Building Security.*

## Specifications

|  |   |
|--|---|
| Operating voltage  | 15 – 40VDC                                |
| Current consumption at 24V                                       | max. 17mA (high sound level)              |
| Sound level  | 100dB(A) / 1m distance (high sound level) |
| Flash frequency  | 0.5Hz                                     |
| EN 54-23 Category W-2.5-7 – wall mounting                        |   |
| Mounting height  | max. 2.5m                                 |
| Room size  | max. 7m × 7m                              |
| Ambient temperature  | -10°C to +55°C                            |
| Protection class   | IP65                                      |
| Dimensions Ø × D   | 130 × 92 (mm)                             |
| Lens colour / light colour                                       | clear / white                             |
| Weight   | 290g                                      |
| Approvals (only sounder-strobe)                                  | LPCB 928y/01<br>2831-CPR-F1427            |
| Approvals (sounder-strobe with control module FI750/M/SST)       | LPCB 928z/01<br>2831-CPR-F1429            |
| Approvals (sounder-strobe with RF control module FI720/RF/M/SST) | LPCB pending<br>0051-CPR-0617             |

### Sounder-strobe in red housing

|              |  |
|--------------|--|
| Order number | 355209   |
| Order name   | Sounder-Str/WM65/DC/re/cl/wh/100/W CWS/SOUR/STRC |

### Sounder-strobe in white housing

|              |  |
|--------------|--|
| Order number | 355211   |
| Order name   | Sounder-Str/WM65/DC/wh/cl/wh/100/W CWS/SOUW/STRC |

### Loop control module

|                               |  |
|-------------------------------|--|
| Operating voltage             | supplied through loop voltage  |
| Current consumption from loop | typ. 30µA (signalling device off)<br>max. 8mA (signalling device on, high sound level) |
| Dimensions L × W × H          | 82 × 53 × 25 (mm)  |
| Weight                        | 26g  |
| Order number                  | 249307   |
| Order name                    | Module FI750-Sounder-Strobe FI750/M/SST  |

### RF control module

|  |   |
|--|---|
| Operating voltage                      | 2 lithium batteries 3V, type CR123          |
| Battery life                           | typ. 3 years                                |
| Range of radio transmission (free air) | max. 200m<br>max. 3km with expanders        |
| Frequency band                         | 868MHz                                      |
| Dimensions L × W × H                   | 82 × 76 × 35 (mm)                           |
| Weight                                 | 55g (without batteries)                     |
| Order number                           | 249310                                      |
| Order name                             | Module/RF/720-Sounder-Strobe FI720/RF/M/SST |