



Fire alarm systems Addressable siren with isolator 4477

- High sound output but low current consumption
- Three different Sound types and priority levels
- Built-in short-circuit isolator
- Connected directly on the COM loop

General

The siren is a general purpose type "A" sounder for indoor use. It consists of a horn (incl. all electronics) and a back box, which has double cable entries. It is made of red ABS plastic. The COM loop is connected directly to the siren via a plug-in 4-way terminal block (2 in / 2 out). The siren also has a built-in short-circuit isolator.

High sound output

The siren has a high sound output but a low current consumption. The volume can be adjusted via a potentiometer.

Priority levels

Three priority levels are available in systems EBL512 and EBL512 G3 (High, Medium & Low) and two in system EBL128 (High & Low). For each level are an output control expression and a Sound type programmed (via Win128 / Win512 / WinG3).

Sound types

Three Sound types are available:

- Steady (continuous) 990 Hz
- Intermittent (pulsed) 990 Hz, 0.5s / 0.5s
- Alternating (two-tone) 990/650 Hz, 0.25s / 0.25s

The siren can be used for pre-warning, fire alarm and heavy smoke alarm, with a different *Sound type* for each type of alarm.

Built-in isolator

The isolator will divide the COM loop into segments, i.e. between two isolators or between an isolator and the c.i.e. In case of a COM loop short-circuit only the affected segment will be disabled. Depending on the mode, the isolator will be in use or not.

COM loop address & mode

The siren and the isolator takes only **one** COM loop address, which is set with the Address setting tool 3314. The siren has an address label where the address can be written. Also the mode is set with 3314:

- **NORMAL** mode: 4477 (**isolator in use**) in systems EBL128 & EBL512 G3.
- **2330** mode: 4477 used as 3377 (**isolator not in use**) in systems EBL128, EBL512 (S/W version ≥ 2.2) & EBL512 G3.
- **2312** mode: Can not be used.

Miscellaneous

The address setting tool 3314 is connected directly to siren's connectors when the terminal block is unplugged.

The siren is power supplied via the COM loop, i.e. the number of sirens is depending on the type and number of other units connected to the same COM loop.

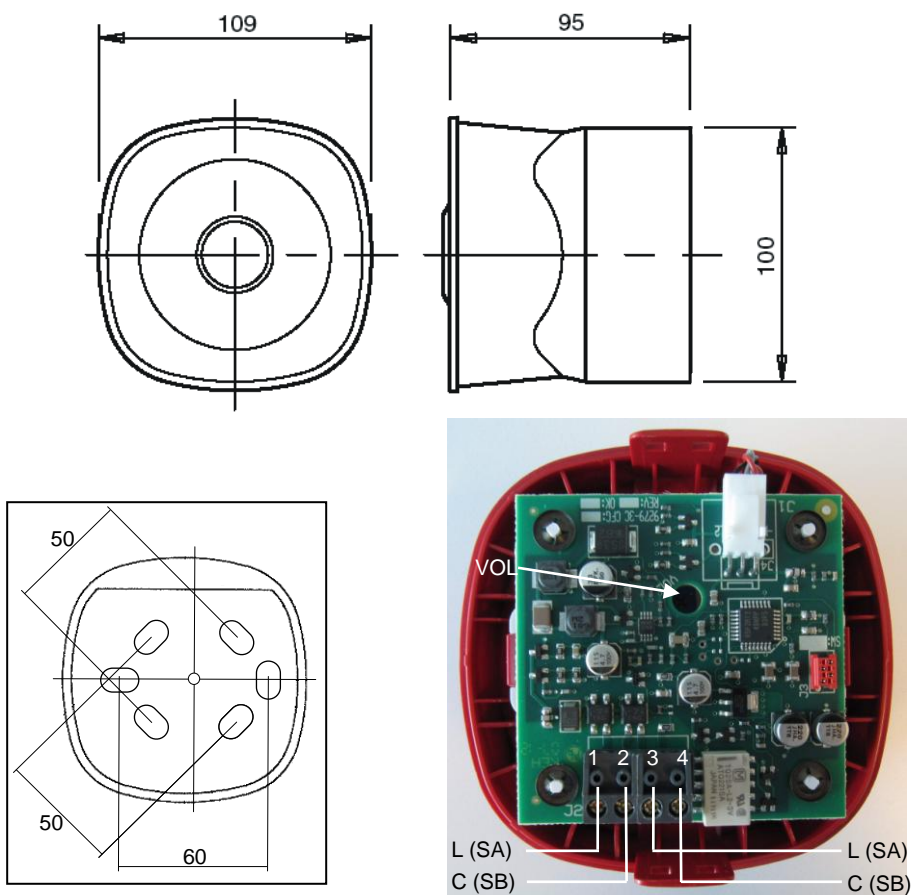
Product applications

Used in the systems EBL128, EBL512 (SW version ≥ 2.2) and EBL512 G3. The siren is intended for indoor use and in dry premises.

Type number

4477

Addressable siren with isolator



Technical data

Voltage (V DC)	
normal	24
allowed	12-28
Current consumption from COM loop (mA)	
quiescent	1.8
active	≤10
Ambient temperature (°C)	
operating	-10 to +55
storage	-25 to +70
Ambient humidity (% RH)	Max. 95, non condensing
Ingress Protection rating	IP 21C
Sound output (dB (A) @ 1 m)	90.3 ±3 (max. volume) 70.9 ±3 (min. volume)
Frequency stability (%)	±0.5
Weight (g)	252
Colour	Red (ABS plastic case)
Approvals	CE 13 EC certificate no. 0786-CPD-21234 EN54-3:2001 + A1:2002 + A2:2006 and EN54-17:2005 + AC:2007

All technical features and data are subject to changes without notice, resulting from continuous development and improvement.

Product Leaflet	Date of issue	Revision / Date of revision
MEW01497	2013-02-08	- / -