

Technical Description

MEW01201

Revision -

Addressable sounder base 3379

Author: Jan Pettersson

Date of issue: 2010-03-16

Date of rev:

This page has deliberately been left blank.

Table of contents

1	Introduction	3
2	Definitions / Explanations	4
3	General description	5
3.1	Addressable sounder base 3379	5
3.1.1	Address labels	5
4	Inputs / Outputs / Connectors	6
4.1	COM loop	6
4.2	Ext. LED output	6
4.3	Programmable sounder	6
4.3.1	Priority levels	6
4.3.2	Sound types	7
5	Address and mode setting	8
5.1	Address setting	8
5.2	Mode setting	8
6	Connections	9
7	Commissioning of a new unit	10
8	Programming	11
9	Dimensions	12
10	Technical data	13
11	Revision history	14

This page has deliberately been left blank.

1 Introduction

This document¹ describes the Addressable sounder base **3379**.

Also the shorter expression **ASB** might be used in this document.

For more information see chapter "General description", page 5.

¹ Original file name: K:\PRO\FIRE\EBL\Doc\Eng\MEW01201 (Rev -).doc

2 **Definitions / Explanations**

Definitions / explanations / abbreviations / etc. frequently used or not explained elsewhere in the document.

C.i.e. Control and indicating equipment (=control unit)

C.U. Control unit (=Control and indicating equipment)

S/W Software

H/W Hardware

3 General description

The Addressable sounder base 3379 can be used in the systems EBL512, EBL512 G3, and EBL128. It will replace the Addressable sounder base 3378.

The programming is done via Win512, Win512 G3 and Win128 respectively.

3379 is connected to a COM loop, i.e. it is monitored from the c.i.e.

3.1 Addressable sounder base 3379

The Addressable sounder base 3379 consists of a base (similar to the Analog base 3312) with screw terminals for all connections and a sounder. An analog smoke (or heat) detector can be plugged in the base.

3379 also have a programmable sounder, see chapter "Programmable sounder", page 6.



Figure 1. Addressable sounder base 3379.

The Addressable sounder base 3379 has to have a COM loop address set via the Address setting tool 3314 and shall be used in NORMAL mode, see chapter "Address and mode setting", page 8.

NOTE!

The detector plugged in the base has to have a different COM loop address than the sounder base.

3.1.1 Address labels

In the Addressable sounder base 3379 is an address label for the sounder base address and the detector address.

4 Inputs / Outputs / Connectors

All connections are done on screw terminals, see chapter "Connections", page 9.

4.1 COM loop

The COM loop is connected to the screw terminals **SA** and **SB** in the base:

- **SA** (L) COM loop in / out
- **SB** (C) COM loop in / out

NOTE!

The COM loop address and mode settings for the Addressable sounder base 3379 (see chapter "Address and mode setting", page 8) have to be done **before the unit is connected to the COM loop**.

4.2 Ext. LED output

One Ext. Indicator (LED), e.g. 2218, can be connected to the screw terminals **E+** and **E-** in the base:

- **E+** Ext. LED, e.g. Ext. indicator 2218; J2:2 (+)
- **E-** Ext. LED, e.g. Ext. indicator 2218; J2:3 (-)

Ext. LED output data: 5 V DC and max. 2 mA.

4.3 Programmable sounder

The sounder is programmed (via WinNNN) like a programmable output in the EBL system respectively. The sounder is mostly used as a fire alarm device but any of the trigger conditions can be used in the control expression.

Since three priority levels are programmable the sounder can, for example, have one sound type when the detector plugged in the base activates fire alarm (high priority), another sound type for fire alarm activated on the same story/floor (medium priority) and yet another sound type for fire alarm activated somewhere in the whole building (low priority).

4.3.1 Priority levels

Three priority levels with different sound types are available (two in EBL128).

1. High priority
2. Medium priority (not valid for EBL128)
3. Low priority

For each level an output control expression and a sound type have to be programmed (via WinNNN). See also chapter "Programming", page 11.

4.3.2

Sound types

The frequency is 3650 ± 350 Hz for all Sound types.

Sound type 1 (default for priority level 1): **Steady (continuous)**

Sound type 2 (default for priority level 2): **3 Hz** (167 ms on / 167 ms off)

Sound type 3 (default for priority level 3): **1 Hz** (500 ms on / 500 ms off)

Two Priority levels cannot have the same Sound type.

5 Address and mode setting

The COM loop address and mode settings for the Addressable sounder base 3379 have to be done **before the unit is connected to a COM loop**.

For a recommended sequence of actions, see chapter "Commissioning of a new unit", page 10.

NOTE! 3379 and the detector also have to be programmed in the EBL system it is connected to.

5.1 Address setting

The COM loop address for the Addressable sounder base 3379 is set with the Address setting tool 3314 – use the connection cable.

The address is depending on the EBL system, i.e. 001 – 127 in systems EBL512 / EBL128 and 001 – 255 in system EBL512 G3). The unit has an address label where the address shall be written.

NOTE! The unit has an address label for the sounder base COM loop address and the detector COM loop address.

5.2 Mode setting

NORMAL mode: This mode shall be used in all systems. The unit is programmed (via WinNNN) as an "Addressable sounder base 3379" (ASB). (3379 = 3378)

2330 mode: This mode must **not** be used.

2312 mode: This mode must **not** be used.

6 Connections

All connections are done on screw terminals in the base.

Up to 2 mm² conductor area can be used (=1.6 mm conductor diameter).

The COM loop address and mode settings for the Addressable sounder base 3379 (chapter "Address and mode setting", page 8) have to be done **before the unit is connected to a COM loop**.

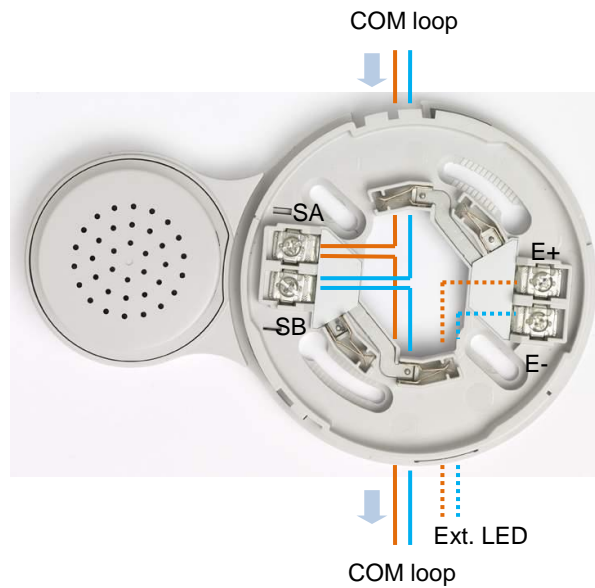


Figure 2. The Addressable sounder base 3379 connections.

SA (L) and SB (C) Terminals for COM loop in / out

E+ and E- Terminals for Ext. indicator (LED), e.g. 2218.
Ext. LED output data: 5 V DC and max. 2 mA.

See also chapter "Inputs / Outputs / Connectors", page 6.

7 Commissioning of a new unit

The COM loop address and mode settings for the Addressable sounder base 3379 have to be done **before the unit is connected to a COM loop**.

Here follows a recommended sequence of actions:

1. Do the COM loop address and mode settings for the Addressable sounder base 3379 according to chapter "Address and mode setting", page 8. Use the Address setting tool 3314 (and its connection cable).
2. Mount the unit in the ceiling etc.
3. Do the cable connections, i.e. the COM loop (in and out) and the Ext. LED when required, according to chapter "Connections", page 9.
4. Do the COM loop address and mode settings for the detector.
5. Write the address on the address label.
6. Plug the detector in the base.

NOTE! 3379 and the detector also have to be programmed in the EBL system it is connected to (via WinNNN).



Figure 3. Addressable sounder base 3379, shown with an analog multi detector 4300 plugged in the base.

8 Programming

The Addressable sounder base 3379 can be used in the systems EBL512, EBL512 G3, and EBL128. 3379 will replace the Addressable sounder base 3378.

The programming is done via Win512, Win512 G3 and Win128 respectively.

The programming is almost the same in the different EBL systems. The following example shows the dialog box for 3378 in Win512.

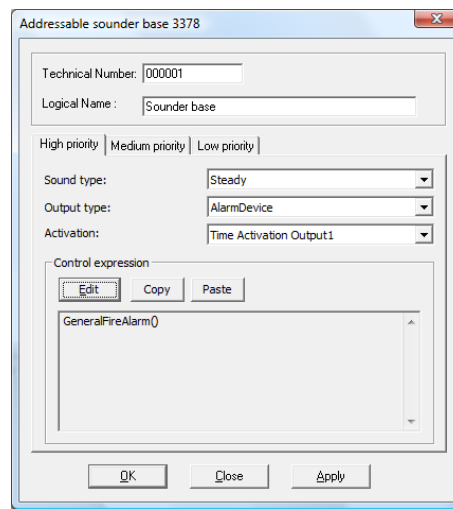


Figure 4. Addressable sounder base 3379 (=3378) dialog box in Win512. High priority, Sound type "Steady", "Alarm device" and control expression "General Fire Alarm" is programmed.

There is one tab for each priority level. At least one priority level has to be programmed. (In system EBL128 only two priority levels.)

Since three priority levels are programmable the sounder can, for example, have one sound type when the detector plugged in the base activates fire alarm (high priority), another sound type for fire alarm activated on the same story/floor (medium priority) and yet another sound type for fire alarm activated somewhere in the whole building (low priority).

If the sounder is activated/sounds for a lower priority level, the sound type will change if the control expression for a higher priority level becomes true.

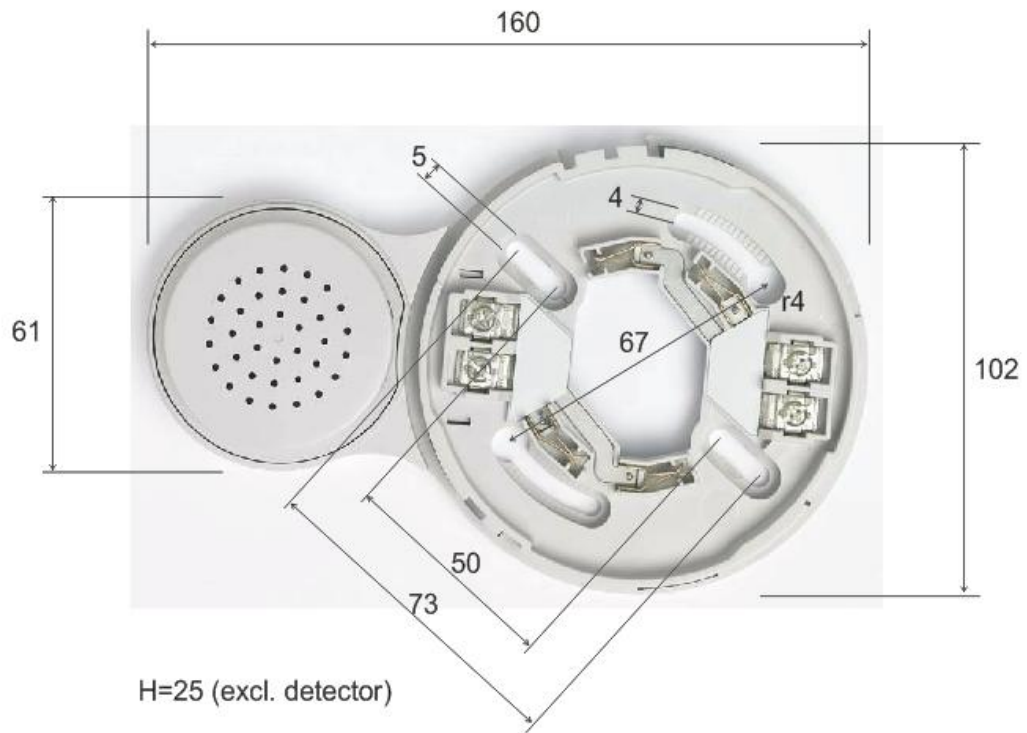
For each priority level, a Sound type and an Output type (normally Alarm device) shall be selected.

A Control expression with one or more trigger conditions shall be created.

Regarding the **Sound types**, see page 7.

Two priority levels cannot have to the same Sound type!

9 Dimensions



10 Technical data

COM loop voltage

Normal / System: 24 V DC

Allowed voltage: 12-28 V DC

COM loop current consumption

Quiescent / active: ≤ 0.75 mA / 2.5 ± 0.5 mA

Ext. LED output

5 V DC, max. 2 mA.

Sound level

81 dB (A) @ 1 m (Depending on sound type and direction. See also MEW01252.)

Sound types (default setting for the priority level respectively)

Sound type 1 (High priority). **Steady (cont.)**

Sound type 2 (Medium priority). **3 Hz** (167 ms on / 167 ms off)

Sound type 3 (Low priority). **1 Hz** (500 ms on / 500 ms off)

Frequency

3650 ± 350 Hz

Ambient temperature (°C)

Operating: -10 to +50

Storage: -20 to +70

Ambient humidity (%RH)

Max. 95, non condensing.

Ingress protection rating

IP 21

Size L x W x H (mm)

160 x 102 x 25 (excl. detector)

Weight (g)

80 (excl. detector)

Construction / Colour

ABS / Grey, N8 Munsell colour code

Approvals

CE; Conforms to EN54-3, type A.

NOTE!

All current consumptions are valid by nominal voltage 24 V DC and by 25°C.

11 **Revision history**

This page has deliberately been left blank.

Panasonic ideas for life

Panasonic Electric Works Nordic AB

Jungmansgatan 12, SE-211 19 Malmö, Sweden

Tel: +46 (0)40 697 70 00 • Fax: +46 (0)40 697 70 99

Info-fste@eu.pewg.panasonic.com • www.panasonic-fire-security.com

