

SMOKE ALARM DEVICE
Model: **SPD-3.4**



**USER'S
MANUAL**



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06
EC-certificate of conformity
No: 1438/CPD/0094

EN 14604

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The SPD-3.4 smoke alarms are designed to detect smoky fires and issue both sound and light alarm notifications.

The alarm operates as a standalone unit powered by DURACELL MN1604 (6LR61) batteries or an equal one. It can be applied in residential and industrial premises.

The alarms can be interconnected with the help of two-wire line that allows to protect maximum number of enclosed premises and to hear alarm sound in remote premises. The arrangement of collective fire protection of a few flats is possible.

Features:

- Indication of standby mode (LED flashing every 35-45 sec);
- Indication of a low battery status (short sound and light signals every 35-45 sec);
- Indication of a fault or contamination of the alarm (short sound signals every 35-45 sec);
- Indication of alarm mode (loud intermittent sound signal, LED frequent flashing).
- Battery presence control.

1. TECHNICAL SPECIFICATIONS

- 1.1 Power voltage, V... 7,5-10,0
- 1.2 Alarm sound level at 3 m, dB..... ≥85
- 1.3 Interlink, pcs..... 10
- 1.4 Dimensions, mm..... Ø100x48
- 1.5 Weight (including battery), g..... 200
- 1.6 Operating temperature range, ° C from –10 to 55
- 1.7 Average lifespan, years..... ≥10

2. ITEMS SUPPLIED WITH THE ALARM

<i>Name</i>	<i>Quantity</i>	<i>Note</i>
SPD-3.4 smoke alarm	1	including the base
Manual	1	Per 25 pcs
Package	1	Per 25 pcs

3. PREPARING FOR OPERATION, PLACEMENT AND INSTALLATION

3.1 Determine where the alarm will be sited taking into account the following requirements:

- Alarms can be ceiling-mounted (not nearer than 10 cm from a wall);
wall-mounted (at the distance 10-30 cm from a ceiling).
- It is prohibited to place alarms in bathrooms, shower rooms, W.C., laundries, saunas.

3.2 Unpack the alarm and check the package’s content.

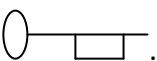
3.3 Detach the alarm from a base, turning it anti-clockwise and slightly pressing the rear side.

3.4 Install a battery into the battery compartment keeping polarity in accordance with the marks. Check LED operating light flashes every 35-45 sec in standby mode.

3.5 Test the alarm for proper operating by pressing the test button located near the battery compartment. The intermittent sound signal shall be heard and a light indicator shall flash.

3.6 Screw base to mounting surface after drilling two 4 mm holes in the base at marked places.

3.7 Attention! Secure the alarm to the base by mating the addendum on the alarm’s rear side with

the base’s slot ‘key’ marked .

Check for proper operating after installation of a plastic or metal Ø<0,9 m pin-tester in the test hole in the centre of the cover at the depth 10-15 mm for > 30 sec. The loud intermittent sound signal

shall be heard and the LED indicator shall flash. The alarm shall reset in 20 sec after withdrawing the tester.

3.8 When interlinking alarms, connect contacts like to like (for pulling wires drill two 8 mm holes in each base at marked places). Test the operation of the alarms' group, on triggering any of them according to p.3.7. All the alarms shall sound, and the LED indicator shall flash on the initiating alarm.

4. MAINTANANCE

4.1 It is recommended to test the alarm for proper operating once a month, affecting it with smoke or a probe-tester (see p.3.7).

4.2. Periodically, semiannually, clean the optical system of the alarm from contamination through vents with a vacuum cleaner during some minutes.

4.3 When the alarm generates short sound and light signals that testify about the battery discharge, one should detach the alarm from the base and replace the power battery with a new one. After the replacement of the battery test the alarm (see pp. 3.5, 3.7).

4.4 When the alarm generates short sound signals that testify the battery contamination, one needs to carry out its cleaning according p.4.2.

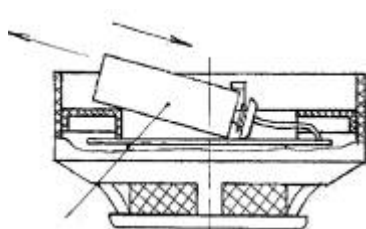
5. WARRANTY

5.1 The guarantee operation period is 36 months since the day of approval by the quality control department.

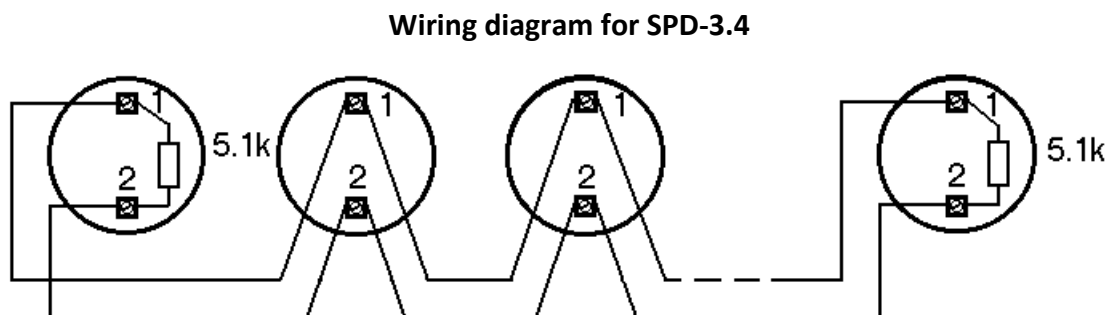
5.2 The free repair or replacement of a alarm within the warranty period is guaranteed provided that the consumer keeps the rules of operation, transportation and storage.

6. UTILIZATION

6.1 The SPD-3.4 alarm is not dangerous for human life and health as well as for the environment after the expiry of service life; its utilization can be carried out without taking any special measures of environment protection.



Installation of battery



Wiring diagram for SPD-3.4

QUALITY AND PACKING CERTIFICATE

Battery-operated smoke optical alarm, model SPD-3.4, serial numbers:

_____pieces Compliant with EN 14604 Manufacturing date _____.____.201__	_____pieces Packed in compliance with the factory rules Packing date _____.____.201__
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Quality control mark _____