

STANDALONE PHOTOELECTRIC SMOKE ALARM

DIP-34SA

INSTRUCTION MANUAL



1 TECHNICAL DATA

1.1 General

DIP-34SA Photoelectric Smoke Alarm is designed for standalone operation to detect inflammations and issue local audible and light alarms. The DIP-34SA provides protection of closed areas by sensing smoke registering the light scattered by smoke particles. The DIP-34A is to be used in a kitchen, near heaters in cottages and so on.

DIP-34SA generates light and high-level sound signals. The alarm indicates low-battery signals, if happened, by periodic short sound of low intensity.

1.2 Specifications

1) Detector Sensitivity	- from 0.05 to 0.2 dB/m
2) Alarm Response Time	- 10s max
3) Consumed Current	- 0.01 mA max
4) Technical Readiness Time	- 60 s max
5) Input Power	- 9V
6) Operating Temperatures	- from -10 to +55°C
7) Relative Humidity	- up to 93% at +40°C
8) Overall Dimensions	
- diameter	- 102 mm max
- height	- 35 mm max
9) Weight	- 0.2 kg max

1.3 Standard Delivery

Find the following unpacking DIP-34SA:

- DIP-34SA Photoelectric Smoke Alarm	- 1 pc.
- ECT UY Connectors	- 2 pcs.
- Woodscrews	- 2 pcs.
- Wall Plugs	- 2 pcs.
- 6F22 9v Battery	- 1 pc.
- Instruction Manual	- 1 pc.

2 OPERATION INSTRUCTIONS

2.1 Mounting

To attach the smoke alarm base to the ceiling, drill two holes of 5 mm in diameter, with the distance between the centers of holes being equal to 40–70 mm. Insert the wall plugs provided into the holes and fasten the device base to the ceiling with the woodscrews provided.

DIP-34SA alarms are to be installed on ceilings at distances no more than 4.5 m from walls. Being installed at heights up to 3.5 m, a single DIP-34SA covers approximately 85 m².

Alarms can be combined together by a two wire line in a group up to 38 units. In such case a response of a single smoke alarm causes other alarms from the group to sound too. The alarms are bounded by connecting wires within them. Be careful to match colors while connecting the wires. The wires are connected to the connecting line by crimping wires in connectors provided.

2.2 Testing

The DIP-34SA smoke alarm is equipped with a latch on its enclosure in order to prevent DIP-34SA mounting without a battery. **The detector is delivered with the battery being attached under its base. Connect the battery to the terminal block before testing DIP-34SA smoke alarm.**

After battery's having been connected a sound alarm can be issued within a second. Please wait until the LED flashes that means entering to the quiescent mode. Press **TEST** button and hold it pressed for about 5 second until LED flashes and sound alarm goes off. The sound must be loud interrupted one. This means that the detector operates correctly.

Otherwise, if the test procedure failed, disconnect the battery and wait for 5 minutes before connecting this one again to repeat testing.

If the test has been completed successfully, install the detector on the base and inspect visually periodical (approximately once per 30 s) LED flashes confirming detector's entering normal quiescent mode.

2.3 Maintenance

Test the detector periodically by pressing TEST button until sound alarm goes off. This can take up to 20 seconds. It is the only way to ensure that the detector operates properly.

Appearing of a periodical weak short sound signal indicates that power supply voltage has dropped and the battery must be replaced.

3 WARRANTY

3.1 The average lifetime of the smoke alarm is at least 10 years.

3.2 The manufacturers warrants its product to be free from defects in materials and workmanship under normal use and service for 18 months since putting it into operation, but no more since 24 months since acceptance date.

3.3 In the event of in-warranty failure forward your claims to the address:

ZAO NVP Bolid

4 Pionerskaya Str., Korolev 141070, Moscow Region, Russia

Tel./Fax: +7 (495) 775-71-55, +7 (495) 516-93-72

E-mail: info@bolid.ru <http://www.bolid.com>.

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DIP-34SA LIGHT AND SOUND INDICATION

DIP-34SA Condition	Indicator	Indicator Behavior
NORM	LED	Flashes every 32 seconds
	Sounder	OFF
FIRE	LED	Flashes twice per a second
	Sounder	Three beeps every 1.5s
LOW BATTERY	LED	Flashes every 32 seconds
	Sounder	Short beeps synchronously with LED flashing
LOW SENSITIVITY	LED	Flashes every 32 seconds
	Sounder	A beep in 16 seconds after a LED flashing
FIRE detected by one of the alarms in a group	LED	Flashing is off
	Sounder	Three beeps every 1.5s
Pressing TEST Button	LED	Flashes twice per a second
	Sounder	Three beeps every 1.5s