



## **SensoMAG F10 B12L-U Conventional Fire Alarm Fixed Temperature Detector Owner's Manual**

[Home](#) » [SensoMAG](#) » **SensoMAG F10 B12L-U Conventional Fire Alarm Fixed Temperature Detector Owner's Manual**

# **SensoMAG**

**Conventional Fire Alarm Fixed Temperature Detector  
SensoMAG F10 – Installation Instruction**



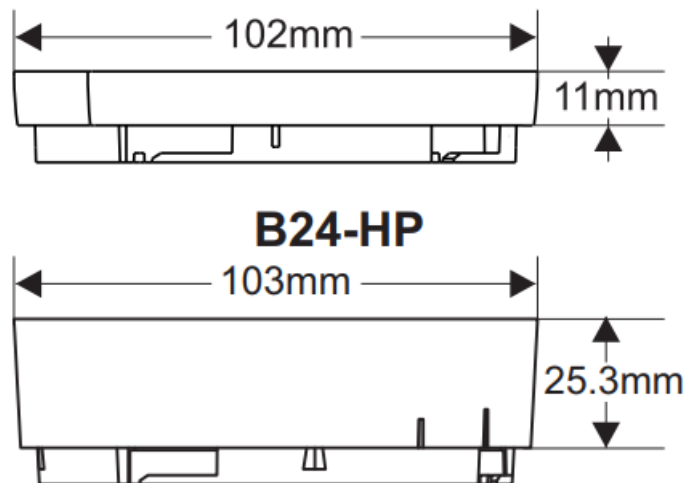
**Contents** [ [hide](#) ]

- [1 F10 B12L-U Conventional Fire Alarm Fixed Temperature Detector](#)
- [2 TEST AND MAINTENANCE](#)
- [3 TECHNICAL SPECIFICATIONS](#)
- [4 Documents / Resources](#)
- [5 Related Posts](#)

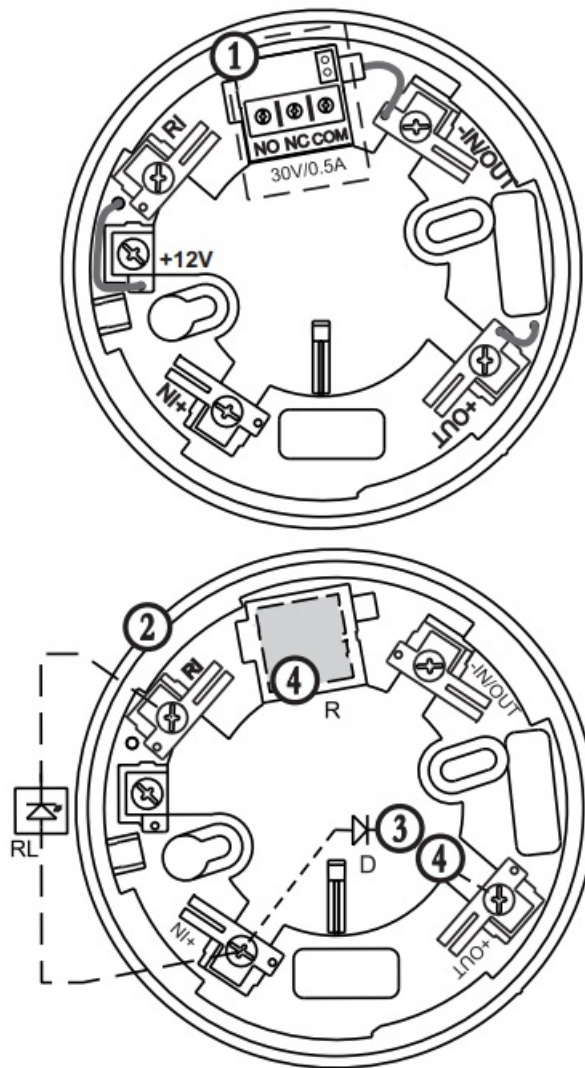
## F10 B12L-U Conventional Fire Alarm Fixed Temperature Detector

### ! SensoMAG Bases

B12L/U, B24, B24D, B24RD



1. B12L/U
2. B24/B24-HP
3. B24D
4. B24RD



**ATTENTION:** Read carefully this installation Instructions before installing the device!

The detector SensoMAG F10 is compatible with any conventional Fire Panel with fire alarm threshold between 10mA and 15mA (between 10mA and 30mA with B24RD fire base).

The detector SensoMAG F10 can be used with 4 base types:

1. B B12L/U – Base with relay output (not covered by EN 54-5);
2. C B24 – Standard base, low profile; B24-HP – Standard base, high profile;
3. D B24D – Standard base with Schottky diode;
4. E B24RD – Standard base with Schottky diode and increased alarm state current.

1. Choose the proper place for installation of the fire detector. Refer to the given installation instructions.

**Note:** Do not install the detector near to natural heat sources, e.g. above cookers, ovens or fire places.

2. If you want to “lock” the detector to the base remove the little “tooth” (with the triangle shape) and break the plastic key off the base. Keep the plastic key in safe place to be able to open the detector later.

3. Mount the fire base on the ceiling of the protected premises using fixings according the mounting surface.

4. Connect the detector base to the fire panel using the wiring diagram.

**ATTENTION:** Disconnect the line power before installing the detector!

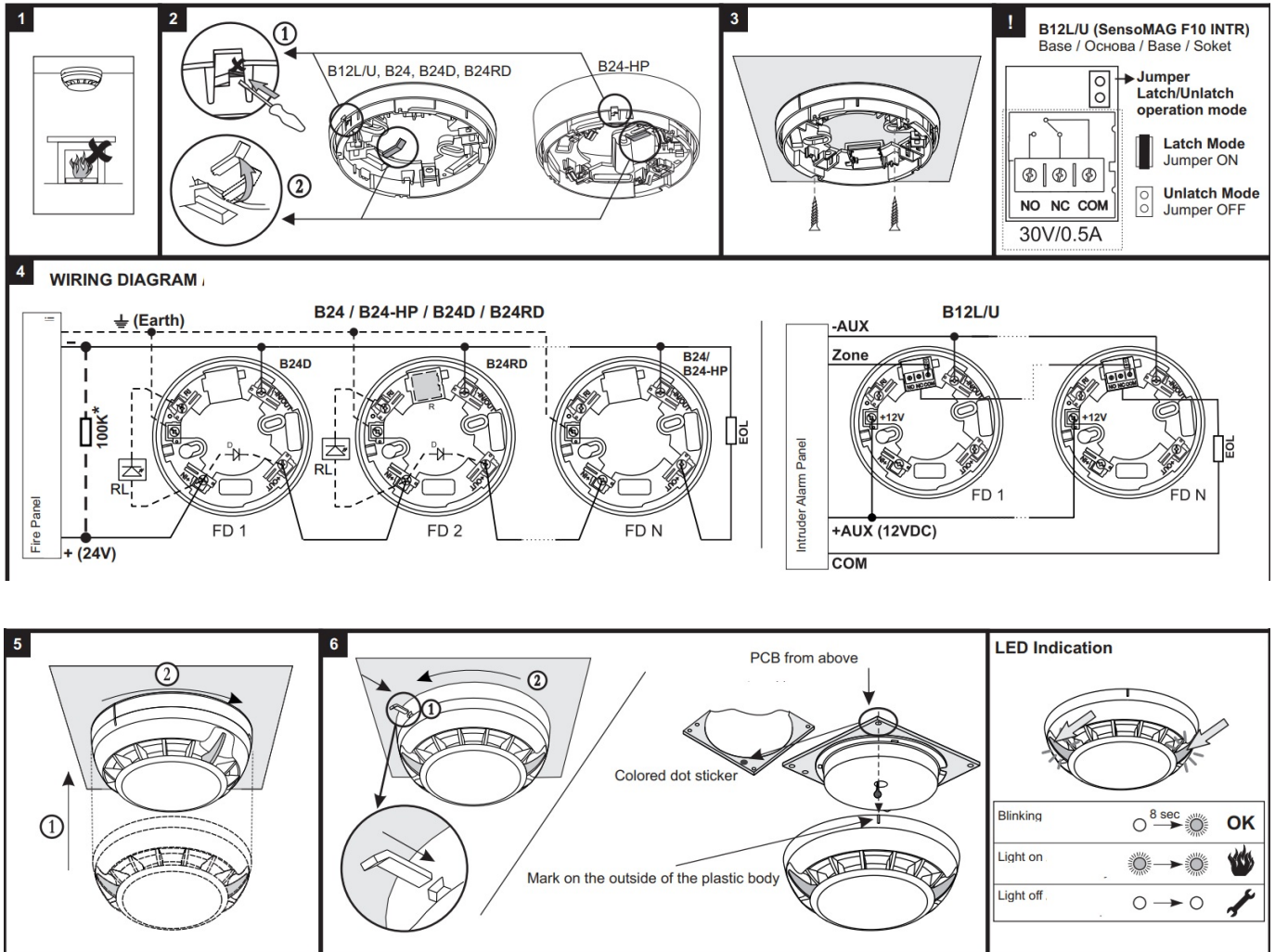
5. Insert the detector into the base and rotate clockwise until it drops into place. Continue to rotate the detector until it locks to the base – a click is heard.

6. If the detector has been locked to the base, when opening it for a scheduled maintenance service and cleaning you have to use the plastic key. Lightly press with the plastic key into the base opening and at the same time

rotate the detector head counter-clockwise.

**ATTENTION:** In case of removing the detector's PCB for service maintenance, when mounting it back, find the colored dot sticker on the PCB and align it to the mark on the plastic body (visible from the outside). The hole next to the colored dot have to align with the pin on the plastic body. Gently press downwards to fix the PCB in place.

7. Test the detector for proper operation and LED indication.



## TEST AND MAINTENANCE

1. Apply power to the detector.
2. Wait for 30 sec.
3. Apply the heat tester (Cordless Heat Detector Tester or Heat Tester 110V>240V) at a distance 20cm to test the heat part of the detector.

Within 8 sec the fire detector will enter in fire condition. Both LEDs will light up.

4. Power off the detector for 2 sec minimum. After resetting the detector will enter in duty mode and the LEDs will light off.

The service maintenance periods for the detector should be executed as follows:

1. Inspection for visible physical damage – weekly.
2. Operational test in real conditions – monthly.

3. Check and clean dust contamination – six months.
4. Check and clean base and head contacts and connections – annually.

## TECHNICAL SPECIFICATIONS

Operating Voltage Range . . . . . 9 – 30 V DC (Nom. 12/24VDC)  
 Average current consumption in quiescent state..... < 50µA  
 Alarm state current: . . . . .  
 – with base type B24, B24-HP and B24D . . . . .20 mA / 12÷30V  
 – with base type B24RD . . . . . 33 mA / 12V; 49mA/24V; 57mA/30V  
 – with base type B12L/U . . . . .18 mA / 9V; 29mA/12V; 32mA/15V  
 Class (in accordance with EN 54-5) . . . . .A2/S  
 Output in alarm state at terminal RI . . . . .  
 (Towards terminals +IN /+OUT) . . . . . 20mA (max)/ -3.3V  
 Degree of protection. . . . .IP30  
 Operational temperature range . . . . .0.4mm<sup>2</sup> ÷ 2.0mm<sup>2</sup>  
 Wire Gauge for terminals . . . . .-10 °C ÷ +60 °C  
 Relative humidity resistance. . . . . (93 ± 3)% @ 40 °C  
 Dimensions (incl. base) . . . . .ø102mm, h 42mm\* / ø103mm, h 56mm\*\*  
 Weight (incl. base) . . . . .160g\* / 170g\*\*

\* B12L/U, B24, B24D, B24RD \*\* B24-HP

## Documents / Resources

	<p><a href="#">SensoMAG F10 B12L-U Conventional Fire Alarm Fixed Temperature Detector</a> [pdf] Owner's Manual        F10 B12L-U Conventional Fire Alarm Fixed Temperature Detector, F10 B12L-U, Conventional Fire Alarm Fixed Temperature Detector, Fixed Temperature Detector, Temperature Detector</p>
---	---