

5000508.18.09.97

Hekatron GmbH En 54-7 Optical Smoke Detector ORM 130A User Manual

Model: 5000508.18.09.97

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the Hekatron GmbH En 54-7 Optical Smoke Detector ORM 130A. Please read this manual thoroughly before using the device to ensure safe and efficient operation. This device is designed to detect smoke and provide an alarm signal in accordance with EN 54-7 standards.



Image: Hekatron GmbH En 54-7 Optical Smoke Detector ORM 130A. This image shows the front view of the optical smoke detector, typically a white, circular device with a central indicator light or grille.

SAFETY INFORMATION

- **Warning:** Installation and maintenance should only be performed by qualified personnel.
- **Caution:** Disconnect power before servicing the device.
- Ensure the device is installed in accordance with local regulations and EN 54-7 standards.
- Do not paint the detector or obstruct its openings.

SETUP AND INSTALLATION

1. Unpacking

Carefully remove the smoke detector from its packaging. Inspect the device for any signs of damage. If damaged, do not

install and contact your supplier.

2. Mounting Location

Choose a central location on the ceiling, away from air vents, windows, and doors. Avoid areas with high humidity or dust. Refer to local fire safety codes for specific placement requirements.

3. Wiring

1. Ensure power to the circuit is disconnected at the main breaker.
2. Connect the detector to the fire alarm control panel (FACP) according to the wiring diagram provided with your FACP and the detector's terminal markings.
3. Typically, this involves connecting power (positive and negative) and alarm signal lines.

4. Attaching the Detector

Secure the detector base to the ceiling using appropriate screws and anchors. Once the base is secured and wired, attach the detector head by aligning it with the base and twisting clockwise until it locks into place.

OPERATING INSTRUCTIONS

1. Power Up

After installation, restore power to the circuit. The detector will enter a startup phase, indicated by a flashing LED. Once initialized, the LED will flash periodically (e.g., every 5-10 seconds) to indicate normal operation.

2. Alarm Indication

In the event of smoke detection, the detector's LED will illuminate steadily (or flash rapidly, depending on configuration) and send an alarm signal to the connected FACP. The FACP will then activate its alarm sequence.

3. Testing the Detector

Regular testing is crucial to ensure proper functionality. Refer to the FACP manual for system-wide testing procedures. For individual detector testing:

- Use approved smoke detector test spray.
- Apply a small amount of test spray to the detector's sensing chamber.
- The detector should go into alarm within a few seconds.
- Reset the FACP after testing.

Perform tests at least annually, or more frequently as required by local regulations.

MAINTENANCE

1. Cleaning

Dust and debris can affect detector performance. Clean the detector periodically (e.g., every 6-12 months) or as needed:

- Disconnect power to the detector.
- Gently vacuum the exterior of the detector, especially around the sensing chamber openings, using a soft brush attachment.
- Do not use cleaning solvents or liquids.

- Restore power after cleaning.

2. Battery Replacement (if applicable)

This model is typically hardwired and does not contain user-replaceable batteries. If your specific installation includes a battery backup unit for the FACP, refer to the FACP manual for battery maintenance.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Detector not powering on (no LED activity)	No power supply; incorrect wiring; faulty detector.	Check power connections and FACP status. Verify wiring. If issues persist, contact qualified service personnel.
False alarms	Dust/debris in sensing chamber; high humidity; steam; cooking fumes; improper placement.	Clean the detector. Relocate if necessary to avoid sources of false alarms. Ensure proper ventilation.
Detector not alarming during test	Insufficient test smoke; faulty detector; wiring issue.	Ensure adequate test smoke is applied. Check wiring. If still unresponsive, the detector may need replacement.
FACP indicates a fault with the detector	Wiring fault; detector malfunction; end-of-life.	Consult the FACP manual for specific fault codes. Check wiring connections. Replace detector if faulty.

For issues not listed here, or if troubleshooting steps do not resolve the problem, contact a qualified fire alarm technician.

SPECIFICATIONS

Model: 5000508.18.09.97 (ORM 130A)

Type: Optical Smoke Detector

Standard: EN 54-7

Brand: Generic (Hekatron GmbH)

Weight: Approximately 0.200 kg (200 gm)

Country of Origin: India

ASIN: B0CTQYGTWC

Manufacturer: Thrid Party

Style: Modern

WARRANTY AND SUPPORT

Information regarding warranty coverage for this product is typically provided by the seller or manufacturer at the time of purchase. Please refer to your purchase documentation or contact the seller, YAM SHIPING TRADING, for specific warranty terms and conditions.

For technical support or service inquiries, please contact your installer or the supplier from whom the device was purchased. Ensure you have the model number (5000508.18.09.97) and ASIN (B0CTQYGTWC) available when seeking support.

Seller Contact Information: YAM SHIPING TRADING



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