Operating Instructions

Wireless Heat Detector HM-LES900

1 Use, Transport and Storage

1.1 Use

The heat detector is exclusively for use in conjunction with the wireless mounting base. Identification of the development of heat through fire is alerted by means of an optical signal and an acoustical alarm. Use is permitted exclusively for indoor areas. Before installation, check the radio range at the installation site:

- Put the battery into the radio base
- Screw the heat detector head into the radio base
- Switch on all possible sources of electronic interference in the room, such as televisions, radios, mobile phones and computers
- Prepare the TeleAlarm Carephone for connection
- Press the alarm head – Warning: A short, loud signal will sound
- Make sure the connection between the wireless heat detector and the TeleAlarm Carephone is working
- Trigger a test alarm by pressing the alarm head

CAUTION

Danger of explosion and fire

Replacing the battery by an incompatible type or inserting it with reversed polarity can cause excessive heat, fire or explosion.

Danger of hearing loss

The Wireless Heat Detector generates a very loud and shrill tone. When testing its function keep a minimum distance of 50 cm or wear suitable ear protectors.

The alarm call should be triggered after pressing the alarm head just once. If the alarm call is only triggered after repeatedly pressing the button, the radio connection is not stable. Find another set-up location for the TeleAlarm Carephone and repeat the connection test. Observe all provisions, norms and safety rules applicable at the installation site.

Do not use in rooms where the ceiling is higher than 6 m.

1.2 Transport and Storage

The product can be damaged from improper transport and storage.

- Only transport in the original packaging.
- During storage and transportation, the specified ambient conditions must be maintained.
- The devices must be protected from impact when stored and during transport.

Failure to heed these instructions can lead to damage that does not fall under guarantee and warranty.

2 Product Description

2.1 Overview of Components

base plate

radio mounting base

assembly

2.2 Function

The device only functions when fully assembled condition. The heat detector head will not function without the radio base. Each device has a unique identification code. If using multiple heat alarms, the Carephone can differentiate them through their code.

2.3 Permit documents, certificates, declaration

The wireless heat alarm HM-LES900 conforms to:

- CE
- EMC 2014/30/EU
- RED 2014/53/EU
- LVD 2014/35/EU
- RoHS 2014/53/EU
- REACH 1907/2006
- IEC 62368-1 2014 +Corr.1 2015
- EN 300 220-2 V3.1.1
- EN 301 489-1 V2.2.0
- EN 301 489-3 V2.1.1
- EN 50130-4
- EN 54-5, Cl

2.4 Technical Data

2.4.1 Radio Mounting Base

Dimensions (H x ØB)	22 x 86 mm
Weight	58 g
Housing material	PC/ABS
Colour	White, similar to RAL 9003
Operating temperature	-10° to +50°C
Storage temperature	-20° to +60°C
Max. humidity	90% (non-condensing)
Battery	CR 1/2AA – Varta 3 V lithium, replaceable, polarity indicated in the overview of components
Protection class	III (EN 60730-1; SELV)
Protection type	IP 30 (EN 60529)

2.4.2 Heat Detector Head

Dimensions (ØB x H) Weight Housing material Colour Operating temperature Storage temperature Max. humidity	40 x 39 mm 38 g PC/ABS White, similar to RAL 9003 -10° to +50°C -20°to +60°C 90% (non-condensing)
Heat alarm type	Thermoelectrical
Application area	Private apartments/houses; indoor
Battery Service life	Lithium 3 V, 1600 mAh, (not replaceable) Minimum 8 years with normal use (one test per week)
Status display Low Battery	A brief tone sounds and the red LED blinks every 48 seconds When this display starts the heat detector's alarm head can still be operated for 30 days or emit an alarm for 4 minutes when triggered
Normal operation	The red LED blinks every 48 seconds.
Heat alarm	Three tones one after the other, LED blinks every 0.5 seconds
Sound pressure level	85 dB(A) @ 3 m
LED display - Heat alarm - Increased sampling rate - Normal operation	 - blinks every 0.5 seconds - blinks every 2 seconds - blinks every 48 seconds
Press button - in normal operation	 - Function test: Tone sounds and LED blinks

- in heat alarm	- On pressing the pushbutton, the alarm is muted for 10 minutes
Approvals	EN 54-5, Class A1/R for heat warning systems Acoustic signal pattern on alarm in accordance with ISO 8201 RoHS, REACH

3 Assembly

3.1 Assemble radio base

When installing Wireless Heat Detectors on the ceiling, a minimum distance of 50 cm to the wall must be observed. If installed on a wall, a minimum distance of 30 cm and a maximum distance of 50 cm to the ceiling must be selected.

The base plate can be loosened from the radio mounting base by turning it.

Mount the base plate using the enclosed mounting materials (anchors and screws).

When mounting, pay attention to the composition of the ceiling and the suitability of the enclosed mounting materials. Select an installation site on the ceiling on which secure mounting is possible.

Turn the radio mounting base on the base plate to lock it in place.

The heat detector head must be inserted into the radio mounting base taking the coding bar and locked into place by turning it with the help of the bayonet catch.

4 Operational Start-Up

4.1 Function test

Instruction

Do not press the button on the heat detector head with pointed objects. Failure to heed this instruction can damage it.

Press the button on the alarm head.

- ✓ A signal tone will sound.
- ✓ The LED will blink red twice.
- ✓ A connection will be established with the Carephone.

5 Maintenance

5.1 Maintenance Intervals

Point in Time	Action
1 x per month	Carry out a function test as described at section 4.1
Before the end-of-life date – see back of heat detector head	The heat alarm head must be replaced

5.2 Maintenance Activities

5.2.1 Replace the heat detector head

1. The bayonet catch between the heat detector head and the radio mounting base must be loosened.
2. The heat detector head should be disposed of as described in section 6.
3. The new heat detector head should be twisted into place in the radio mounting base with the assistance of the bayonet catch until it audibly locks in place.

6 Decommissioning and Disposal

The product must be disposed of in compliance with the applicable provisions, norms and safety regulations.

Electronic components may not be disposed of as household waste.