

OVERVIEW

This detector model samples the environmental temperature in the protected area. An alarm condition is raised when the level of temperature or the thermal variation rate exceeds the alarm threshold.

COMPATIBILITY

This detector is compatible only with wireless systems based on the Sagittarius protocol. For more specific information concerning compatibility refer to your fire security system supplier.

INSTALLATION - IMPORTANT NOTES

For detector spacing, placement and special applications refer to your specific national standards.

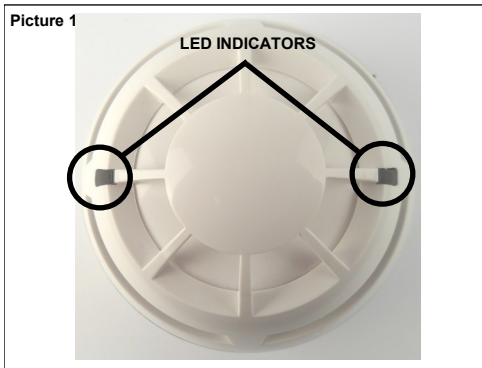
Mount the detector as far as possible from metal objects, metal doors, metal window openings, etc. as well as cable conductors, cables (especially from computers), otherwise the operating distance may greatly drop. The detector must NOT be installed near electronic devices and computer equipment that can interfere with its wireless link quality.

This detector must be installed according precisely to the procedures described in this manual.

Test this detector after installation.

BEFORE INSTALLING THE DETECTOR

- 1) Power-up the detector (**POWER-UP**).
- 2) Extract the batteries cover from the back of the detector.
- 3) Link the detector to the Sagittarius wireless system (**LINKING**).
- 4) Check the **WIRELESS LINK QUALITY**.
- 5) **SELECT A GOOD LOCATION FOR THE DETECTOR**.
- 6) Tag device's loop and address data (**IDENTIFICATION**).
- 7) Fix the detector supporting base to the wall (**BASE INSTALLATION**).



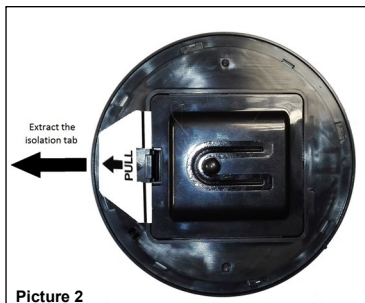
LED INDICATORS

Picture 1: provide visual indication for functional conditions and battery levels as indicated in table 1.

POWER-UP

Extract the isolating tab from the back of the detector (picture 2).

LED indicators signal "Power up".



Detector's status	LEDs indication
Power up	1 second GREEN , then 4 X 0.5 second RED blink
Linking to the system	Blinking GREEN until linking is completed
Link failure	RED on (continuous)
Normal condition	LEDs off
Alarm	Blinking RED : 0.5 second on and 0.5 second off
Battery 1 fault	0.1 second ORANGE blink, then 5 seconds off
Battery 2 fault	0.1 second GREEN blink, then 5 seconds off
Both batteries fault	0.1 second ORANGE , then 5 seconds off 0.1 second GREEN , then 5 seconds off
Other fault	sequential ORANGE / GREEN 0.5 second blinking
Tamper	LEDs off
Lost link with wire to wireless translator / wireless expander	LEDs off

Table 1

LINKING

The system is waiting to achieve a wireless child device (for further information refer to the translator's or the Wirelex configuration software's literature):

- 1) Move the link switch's cursor from ON to the opposite side of its run (we will call it BLANK, since it carries no indication). LED indicators signal "Linking to the system" (picture 3).

Linking is successful when:

- a) the translator indicates so (check translator's literature)

OR

- b) the Wirelex software indicates so (check the Wirelex's literature).

If linking is unsuccessful:

- 2) Check if evident mistakes were made.

- 3) Perform the **LINKING RECOVERY**.

LINKING RECOVERY

- 1) Take out both batteries from their holders
- 2) Move alternatively the link switch to ON / BLANK five times (picture 3)
- 3) Move the link switch to ON
- 4) Reinsert both batteries into their holders, oriented as per polarity marks
- 5) Perform the **LINKING** procedure

DETECTOR SENSITIVITY SETTINGS

During installation using the Wirelex software it's possible to set the heat class of the detector (see table 4). Otherwise if the installation is performed manually through the translator keyboard, default setting will be applied.

WIRELESS LINK QUALITY

It is possible to check wireless link quality between the detector and its linked-to translator or expander in this way:

- 1) Move the link switch to the ON position.
- 2) LED indicators will start blinking according to the following table:

Communication quality	Assessment	Device's indication
No communication	Fail	Two red blinks
Communication quality: 0 dB - 10 dB (Mark 2)	Poor, not acceptable	One red blink
Communication quality: 10 dB - 20 dB (Mark 3)	Medium-low, not recommended	One green blink
Communication quality: 20 dB - 30 dB (Mark 4)	Good	Two green blinks
Communication quality: > 30 dB (Mark 5)	Excellent	Two green blinks

Table 2

- 3) **NOTE: Ensure the link switch is returned to the "BLANK" (operational) position on completion of testing.**

SELECT A GOOD LOCATION FOR THE DETECTOR

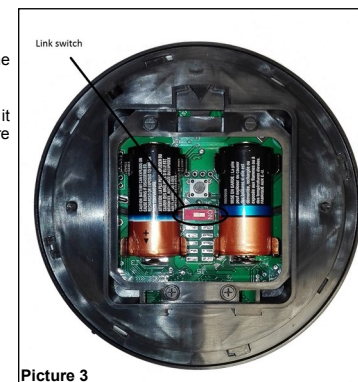
Choose for the detector a placement position that:

- compliances with your specific standards
- is reached by a strong wireless signal from its linked-to translator or expander module
- is not interfered by environmental factors.

IDENTIFICATION

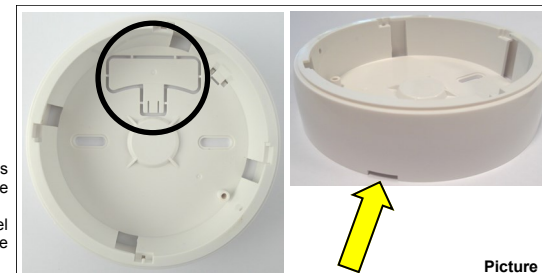
For identification purposes, analogue loop number and device's address can be recorded on the plastic tag supplied with the base (picture 4).

Extract the plastic tag from the bottom of the base, write or label identification data on it and, finally, insert it in the side slot of the base.



Picture 3

! During all the duration of the linking phase, the detector must be only a few inches away from the translator or expander you are linking to.



Picture 4

