

Installation Manual for Remote Sensor

Model	THM-R2A
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1. Applicable Models

This remote sensor is applicable to indoor units for air conditioners.

2. Contents

Check to ensure that the following parts are included in the box.

No.	Name	Qty.
1	Remote Sensor	1
2	Fixing Screw	2
3	Cord Fixer	3

3. Installation

(1) Selection of Installation Location

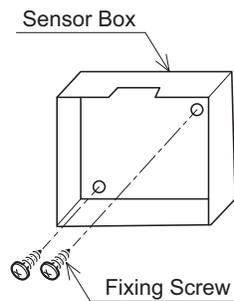
The thermistor for detecting room temperature is installed inside the remote sensor. Installation location should be determined according to the following conditions.

Install the remote sensor where:

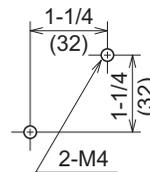
- * the average room temperature can be detected.
- * it is not exposed to the sun.
- * there is no heat source around.
- * discharge air from the air conditioner does not blow directly against it.
- * it is not affected by the outdoor air when opening or closing doors or windows.

(2) Installation

(a) Installing Remote Sensor on Wall



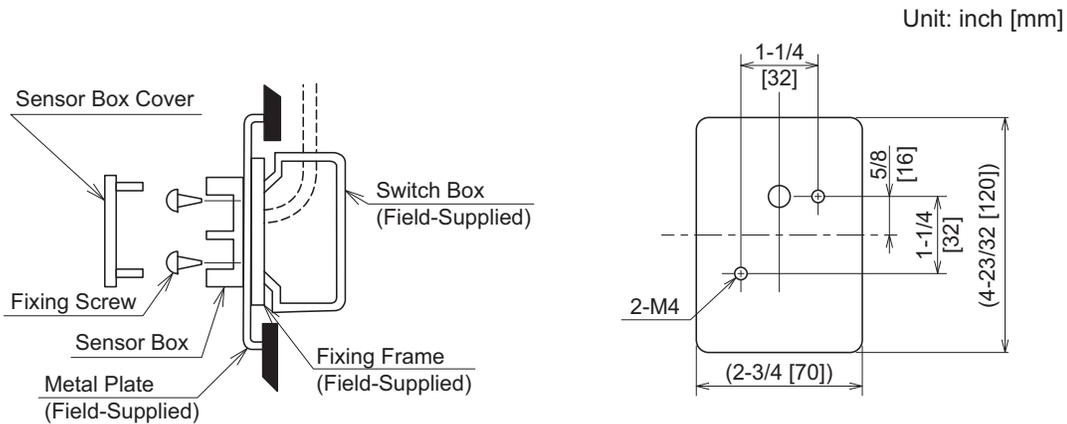
Unit: inch (mm)



Dimension for Fixing Remote Sensor on Wall

- Cut out the wiring holes in the sensor box and lead the wires for the sensor through the holes.
- Secure the sensor box on the wall with the two screws.
- If the sensor box cannot be secured on the wall with the screws, use double-sided tapes.

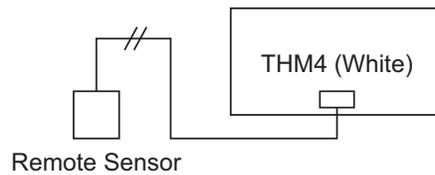
(b) Concealing Wires inside Wall



- Make the holes for securing the sensor box on the metal plate (field-supplied) as shown in the figure on the right, and secure the sensor box to the plate with screws.
- Make sure that the hole for air intake on the sensor box remains unobstructed.

4. Wiring Procedures

- (1) Connect the cord (26ft (8m)) for the remote sensor to connector "THM4" of the indoor unit PCB.



- (2) Extending Cord
If there is a requirement that the cord be extended, cut the cord in the middle and connect it to the extension cord (wire size: 0.3mm² (AWG22), field-supplied).
When using the extension cord, connect it by soldering and the soldering part should be isolated electrically so that contact failure may not occur.
The total length of the cord (including the extension cord) should be within 98ft (30m).

5. Remarks

- (1) When removing the cover of the sensor box, insert the tip of the flat head screwdriver between the upper recess part of the sensor box and the cover, and remove it.
- (2) Run the sensor cord where the power line or electromagnetic interference (EMI) will not cause any abnormal operation.
- (3) Check to ensure that the wiring is correctly performed. Contact failure may cause incorrect temperature sensing and an abnormal operation.

