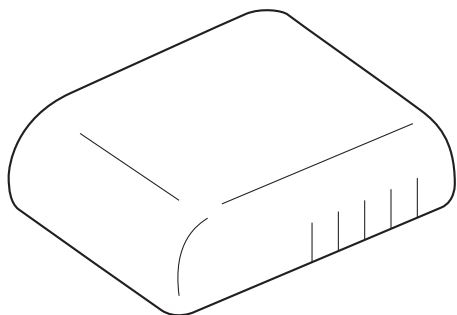


# AIR CONDITIONER



## INSTALLATION MANUAL

Remote sensor

For authorized service personnel only.

English

## INSTALLATIONSANLEITUNG

Fernbedienungssensor

Nur für autorisiertes Personal.

Deutsch

## MANUEL D'INSTALLATION

Capteur distant

Pour le personnel agréé uniquement.

Français

## MANUAL DE INSTALACIÓN

Sensor remoto

Solo para personal autorizado.

Español

## MANUALE D'INSTALLAZIONE

Sensore remoto

Ad uso esclusivo del personale autorizzato.

Italiano

## ΕΓΧΕΙΡΙΔΙΟ ΕΓΚΑΤΑΣΤΑΣΗΣ

Απομακρυσμένος αισθητήρας

Για εξουσιοδοτημένο προσωπικό σέρβις.

Ελληνικά

## MANUAL DE INSTALAÇÃO

Sensor remoto

Apenas para técnicos autorizados.

Português

## РУКОВОДСТВО ПО УСТАНОВКЕ

Дистанционный датчик

Для уполномоченного персонала.

Русский

## KURULUM KILAVUZU

Uzaktan kumanda sensörü

Yetkili servis personeli içindir.


Türkçe


1. SAFETY PRECAUTIONS .....	1
2. ACCESSORIES .....	1
3. MOUNTING.....	1
3.1. Selecting the mounting position .....	1
3.2. Wiring (sensor wiring).....	2
3.3. Installation .....	2
4. WIRING TO AIR-CONDITIONER.....	2
5. CHANGING THE ROOM TEMPERATURE CORRECTION VALUES .....	3

**1. SAFETY PRECAUTIONS**

**For safe installation and trouble-free operation, you must:**





- Carefully read this installation manual before beginning.
- Follow each installation or repair step exactly as shown.
- Observe all local, state and national electrical codes.
- Pay close attention to all danger, warning, and caution notices given in this manual.

 <b>WARNING</b>	This mark indicates procedures which, if improperly performed, might lead to the death or serious injury of the user.
<ul style="list-style-type: none"> <li>• Installation and maintenance work must be performed by authorized company or service personnel only.</li> <li>• Turn off the power until installation is complete. It will cause electric shock.</li> <li>• Incorrect installation of the remote sensor can cause erroneous operation and electrical damage.</li> <li>• Installation work must be performed in accordance with national wiring standards by authorized personnel only.</li> <li>• Highly dangerous electrical voltages are used in this system. Carefully refer to the wiring diagram and these instructions when wiring. Improper connections and inadequate grounding can cause accidental injury or death.</li> </ul>	

 <b>CAUTION</b>	This mark indicates procedures which, if improperly performed, might possibly result in personal harm to the user, or damage to property.
<ul style="list-style-type: none"> <li>• Do not cut or connect the cable. Cutting or connecting the cable will prevent accurate temperature detection.</li> <li>• Always ensure that wiring is installed firmly and correctly. Loose contacts will prevent accurate temperature detection.</li> <li>• Always ensure that cable is installed away from the influence of power cables and electrical noise.</li> <li>• Check heating and cooling operation once the remote sensor has been installed and wiring completed.</li> <li>• If the space for remote sensor mounting is not available in the living room, mount it at a place where the temperature representing the room temperature of living room can be sensed such as near a suction opening on the ceiling etc.</li> <li>• Let the customer keep this installation manual because it is used when the air conditioner is serviced or moved.</li> </ul>	

**2. ACCESSORIES**

The following parts are included in the kit.

Name and shape	Q'ty	Name and shape	Q'ty
Cable (10 m (33 ft) ) 	1	Screw (M4 × 10 mm) 	2
Screw (M4 × 16 mm) 	2	Cable clamp 	1

**3. MOUNTING**

**3.1. Selecting the mounting position**

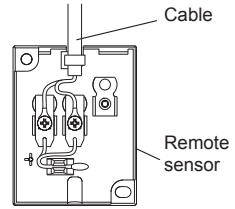
When detecting the room temperature using the remote sensor, please set up the remote sensor according to the following conditions.

If the remote sensor is not well set, the correct room temperature will not be detected, and thus the abnormal conditions like "not cooled" or "not heated" will occur even if the air-conditioner is running normally.

- ① A location with an average temperature for the room being air-conditioned.
- ② Not directly exposed to the outlet air from the air-conditioner.
- ③ Out of direct sunlight.
- ④ Away from the influence of other heat sources.
- ⑤ Not directly exposed to the air entering the room when the door is opened.

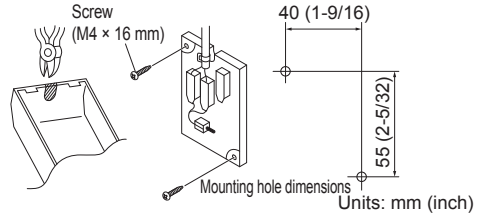
### 3.2. Wiring (sensor wiring)

Remove the screws from the remote sensor, and remove the cover.  
 Connect the cable to the remote sensor as shown below.  
 Ensure that the wires do not contact each other.

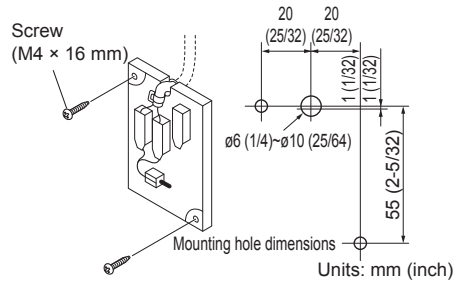


### 3.3. Installation

- ① When the cable is attached to the wall
  - Remove the material covering the wiring penetration (thin material) in the cover of the sensor unit with a pair of cutters. The cable passes through this hole.
  - Now the remote sensor on the wall using the screws.



- ② When the cable is buried in the wall
  - Remove the material (thinner than the surrounding material) in the wiring hole in the remote sensor using a pair of cutters.
  - Drill a hole in the wall for the cable.
  - Seal the area around the cable penetration with putty.

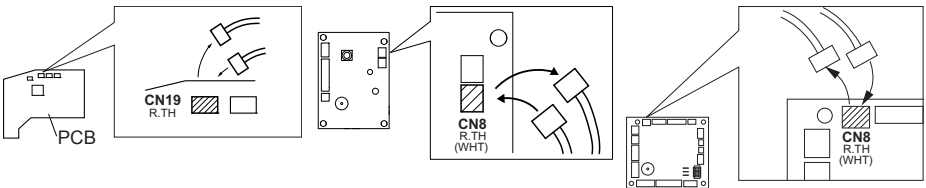


- ③ Fit the cover on the remote sensor and screw it in place.

## 4. WIRING TO AIR-CONDITIONER

Install the wiring to the air-conditioner indoor unit as follows.

- ① Fasten the remote sensor cable onto the indoor electronic control unit. (If necessary, use a supplied screw (M4 x 10 mm) and the cable clamp.)
- ② Remove the existing connector and replace it with the remote sensor connector (ensure that the correct connector is used).
  - Type I
  - Type II
  - Type III



- ③ The original connector should be insulated to ensure that it does not come into contact with other electrical circuitry.

## 5. CHANGING THE ROOM TEMPERATURE CORRECTION VALUES

- DIP switch on the printed circuit board inside the electronic control unit was set at the factory for sensing the intake air into the indoor unit.
- The following changes must be made to the settings of DIP switch if the unit is to be used with the remote sensor (sensing the room temperature).

[For VRF Systems]

(When the model name of the indoor unit ends in "F" or "R".)

- Set DIP switches as follows.  
SW1-3: OFF SW1-4: ON  
SW2-1: OFF

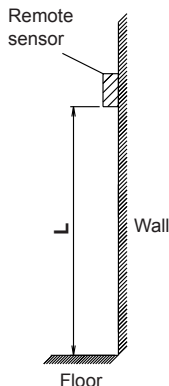
(When the model name of the indoor unit ends in "H".)

- Set up the functions as follows referring to Installation Manual of the indoor unit and the remote controller or Design and Technical Manual.  
Function Number "30" : Set Setting Number to "00" (Default)  
Function Number "31" : Set Setting Number to "02"

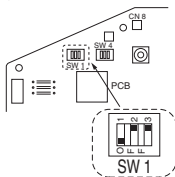
[For Other Systems]

(Applicable only to "HEAT & COOL MODEL")

- Set DIP switch according to the height (L) of the remote sensor from the floor.

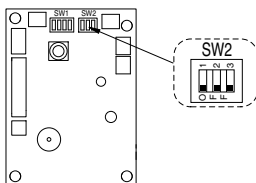


### • Type I



L	SW1-2	SW1-3		Correction Value
$0 < L \leq 1 \text{ m}$ ( $0 < L \leq 39''$ )	OFF	ON		0
$1 \text{ m} < L \leq 2 \text{ m}$ ( $39'' < L \leq 79''$ )	OFF	OFF		+2 °C (+4 °F)
$2 \text{ m} < L$ ( $79'' < L$ )	ON	ON		+4 °C (+8 °F)

### • Type II



L	SW2-1		Correction Value
$0 < L \leq 2 \text{ m}$ ( $0 < L \leq 79''$ )	ON		0
$2 \text{ m} < L$ ( $79'' < L$ )	OFF		+4 °C (+8 °F)

**NOTE:** If the indoor unit model is "G", it is not possible to configure with DIP-SW. Perform room temperature correction for both of cooling and heating with the "FUNCTION SETTING" of Installation Manual of the indoor unit.

Indoor unit model  
**AR** TYPE    **Y** DESTI-    **G** MODEL    **54** MODEL    **L** FUNC-    **H** MODEL    **T** MADE IN    **A** SERIES  
 NATION    NATION    CODE    CHANGE    ORIGIN    NAME  
 CODE    CODE

L	Function Number	Setting Value
$0 < L \leq 1.5 \text{ m}$ ( $0 < L \leq 59''$ )	30	02
	31	03
$1.5 \text{ m} < L$ ( $59'' < L$ )	Setting is not required	

### • Type III

Perform room temperature correction for both of cooling and heating with the "FUNCTION SETTING" of remote controller to the models the PCB (Printed Circuit Board) described in Type III of preceding paragraph "4.WIRING TO AIR-CONDITIONER" is used.

L	Function Number	Setting Value
$0 < L \leq 1.5 \text{ m}$ ( $0 < L \leq 59''$ )	30	01
	31	
$1.5 \text{ m} < L$ ( $59'' < L$ )	Setting is not required	