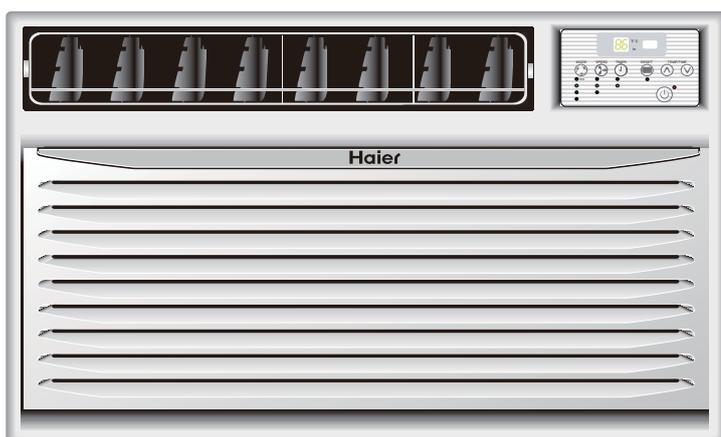


# Haier SERVICE MANUAL

Order No.AC1103S010V0

## Model No.HTWR08XCK



### ● Feature

- Top Discharge Airflow Pattern
- Modern Family-look Design
- 3 Cool Settings, 3 Fan Settings
- Easy-to-ins tall Mounting Kit
- Easy-Access Washable Filter
- Digital Time & Temperature Display
- 24 Hour on/off Timer

### **WARNING**

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death

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## Haier Group

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# 1. Product Code Illumination and Series Introduction

## 1). Model identification:

$\frac{H}{A}$     $\frac{TW}{B}$     $\frac{\square}{C}$     $\frac{\square\square}{D}$     $\frac{\square}{E}$     $\frac{\square}{F}$     $\frac{\square}{G}$

A: Abbreviation of Haier

B: Through the wall

C: R - Remote Control

F - Mechanical Control

D: Nominal cooling capacity (BTU/h) with the first two numbers based on one thousand unit

E: The type of power supply

X - 115V / 60HZ

V - 230V/208V / 60HZ

F: Function code

C - Cooling only

H - Heating pump or Electric heater

G: Design code

Examples:

HTWR08XCK

It represents remote control through the wall conditioner. Cooling capacity is 8000BTU/h and the power supply is 115V / 60Hz.

## 2). Standard situation/conditions

No.	Operating condition	Indoor air state		outdoor air state	
		D.B. °C	W.B. °C	D.B. °C	W.B. °C
1	Nominal cooling	26.7	19.4	35	23.9

## 2. Specification

Item		Unit	HTWR08XCK
Cooling capacity		BTU/h	10000
Heating capacity		BTU/h	/
Power supply			1PH 115V 60HZ
Cooling	Power input	W	1060
	Running current	A	7.5
	EER	BTU/(h-W)	9.4
Heating	Power input	W	/
	Running current	A	/
	COP	BTU/(h-W)	/
Sound Level	Indoor side	dB(A)	60
	Outdoor side	dB(A)	64
Net dimensions	Height	inches	14 18/32
	Width	inches	24 1/32
	Depth	inches	19
Packaging dimensions	Height	inches	16 17/32
	Width	inches	28 3/4
	Depth	inches	27 5/16
Weight	Net	lbs	87.6
	Gross	lbs	96
Compressor	Type		Ri
	Model	/	4ASD073SW
	Running cap. For comp.	μF	40/450
Pressure	Hi-Pressure	Psig	540
	Low-Pressure	Psig	270
Refrigerant	Model	R22 or R410A	R410A
	Charge	OZ	14.1
Fan	Type	Indoor unit	/
		Outdoor unit	/
	Fan Speed	Indoor unit	r/min
Air volume		CFM	268/245/230
Moisture removal		Pints/hr	5.3

### 3. Safety and Precaution



**WARNING:** Following these basic precautions will reduce the risk of fire ,electrical shock ,injury or death when using your air conditioner .

1) Air conditioner must be connected to proper electrical outlet with the correct electrical supply .



2) Proper grounding must be ensured to reduce the risk of shock and fire .

**DO NOT CUT OR REMOVE THE GROUNDING PRONG.**

If you do not have a three-prong electric receptacle outlet in the wall, have a certified electrician install the proper receptacle . The wall receptacle **MUST** be properly grounded .



3) **DO not** use if power cord is frayed or damage . Also avoid using if there are cracks or abrasion damage along the length ,plug or connector .



4)**DO NOT USE AN ADAPTER OR AN EXTENSION CORD.**



5)When installing your air conditioner in a window,make sure the window is strong enough to hold the weight of the air conditioner.You also want to secure and correctly install your air conditioner properly to prevent it from falling.Extra brackets or support may be required depending on your window.

6) Do not block airflow inside or outside the air conditioner with blinds,drapes,protective covers,shrubs or bushes.

7)Be careful of sharp edges on the front and rear fins of the unit that could cut and cause serious injury.

8)Be careful when lifting the air conditioner to install or remove the unit . Always use two or more people for this .

9)Always unplug the air conditioner before servicing it or moving it .

## 4.Warning and Cautions

**WARNINGS:** Following the safety messages is very important.



These messages can save you from being injured or killed. Warning symbols alert you to be careful and means Danger . Always follow instructions to be safe and reduce chances of injury or death . Warning and Danger signs will precede safety messages.

### Electrical Safety

**GROUNDING:** This room air conditioner must be grounded. Grounding reduces the risk of electric shock by providing an escape wire for the electric current. The power cord has a grounding wire with a grounding plug . Plug it into an outlet that is properly installed and grounded.



**WARNING:** Improper use of the grounding plug can result in a risk of electric shock. Call a qualified electrician if you don't understand the grounding instructions or if you are not sure if the air conditioner is properly grounded. If the wall outlet is not grounded, please contact an electrician to have it replaced with a proper grounded outlet.



**Do not, under any circumstances, cut or remove the third (ground) prong from the power cord.**

**Adapter Plug:** We strongly advise against using an adapter plug.

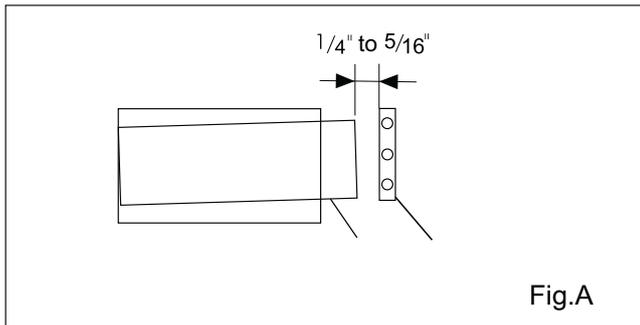
## 5. Installation

**Remove old air conditioner and inspect sleeve for the following:**  
**Insallation--Make sure that sleeve is securely installed and in sound structural dondition.**

**Dimensions--Measure the size to make sure the air conditioner will fit.**

**Slope--There should be a rearward slope for condensate to drain from the rear of the sleeve.**

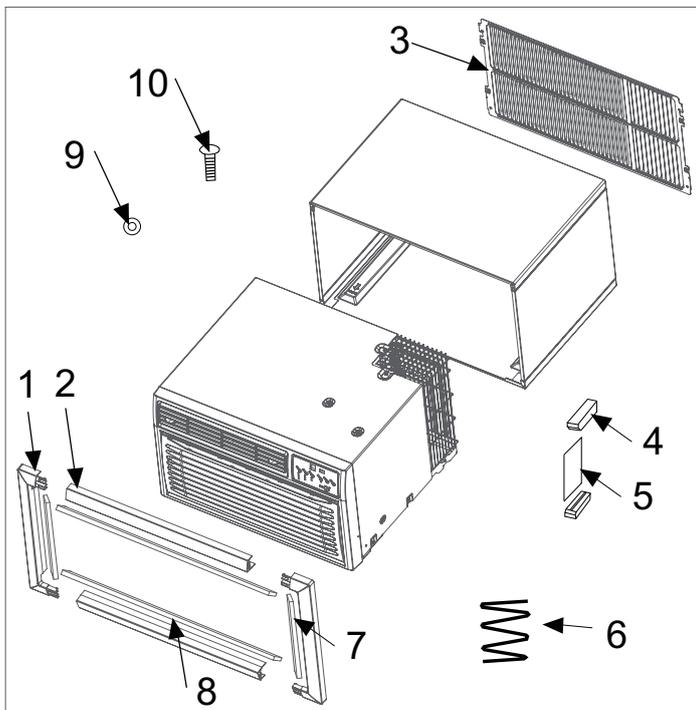
**Chece against Fig.A.**



Number	Part name	QTY.
1	Top/Bottom Trim Frame	2
2	Side Trim Frame	2
3	Universal Fit Rear Grille	1
4	Tapered Spacer Block	2
5	Board	1
6	Foam Seal	1
7	Vertical Trim Foam	2
8	Horizontal Trim Foam	2
9	Screw	4
10	Washer	4

**Manufacturer--So the method of installation can be determined.**  
**If the installation and slope are suspect,then removal and correct installation of a Haier Wall Sleeve,is recommended.**

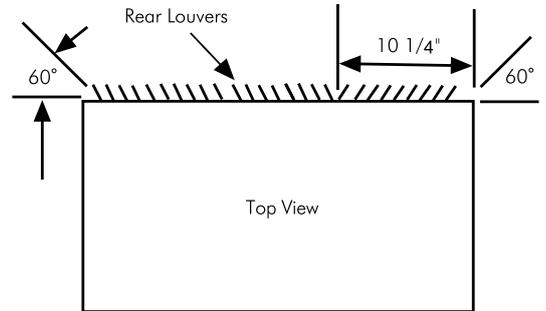
**Check the conetents of the accessories supplied with your air conditioner as shown below:**



**How to install**

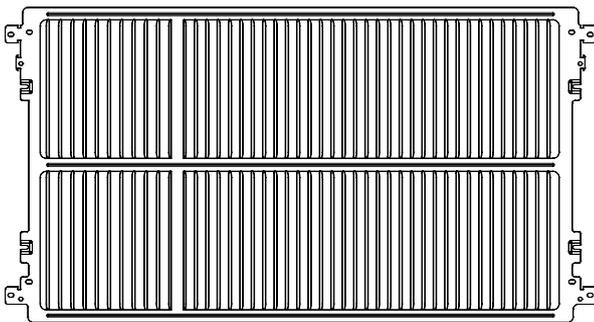
**1. Identify the existing wall sleeve before installing the unit from the insted below.**

Brand	Wall Sleeve Dimensions(inches)		
	Width	Height	Depth
Haier			
Amana			
White-westinghouse Frigidaire Carrier(52F series)	25-1/2	15-1/4	16,17-1/2 or 22
General Electric /Hotpoint	26	15-5/8	16-7/8
Whirlpool	25-7/8	16-1/2	17-1/8
Fedders/Emerson	27	16-3/4	16-3/4 or 19-3/4
Sears/Kenmore	25-7/8	15-17/32	16-23/32
Carrier(51S series)	25-3/4	16-7/8	18-5/8
Emerson/Fedders	26-3/4	15-3/4	15
Friedrich	27	16-3/4	16-3/4
GE	25-7/8	15-17/32	16-23/32

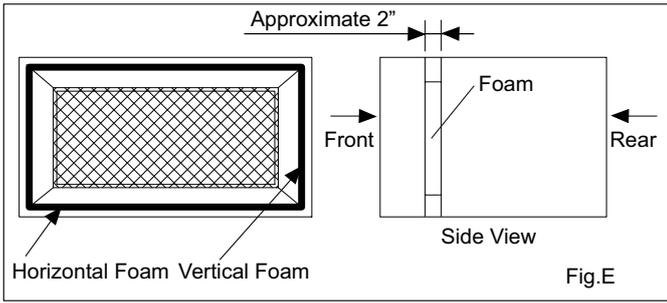


**Note:**All wall sleeves used to mount the new Air Conditioner must be in sound structural condition and have a rear grille that securely attaches to sleeve, or rear flange that serves as a stop for the Air conditioner.

- 2. Clean the interior of the sleeve (do not disturb seals).
- 3. Repaint the sleeve if needed.
- 4. On 25 3/4"-26" sleeves: Replace the existing louvered grille with the new one supplied in the package, shown in the Fig.B1

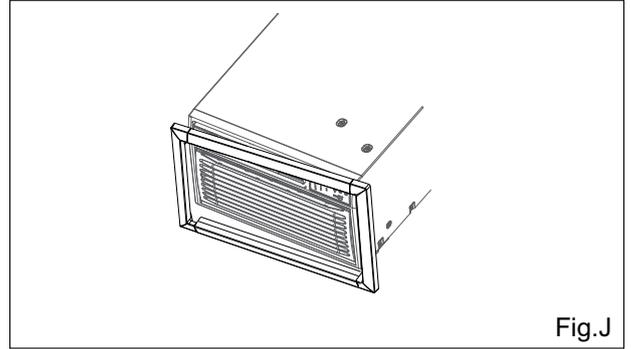


7.Remove the backing from the Vertical Foam and attach that to the inside right of the sleeve as shown below.Remove the backing from the Horizontal Foam and attach that to the inside front of the sleeve as shown below.



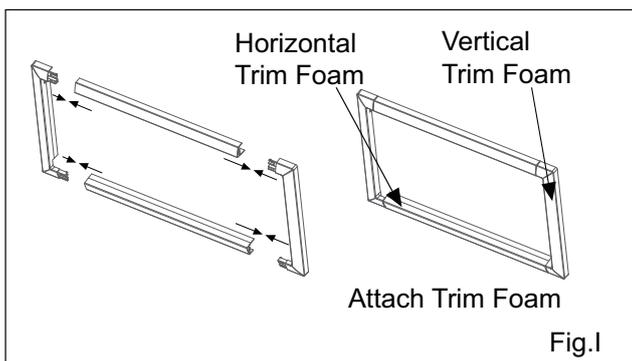
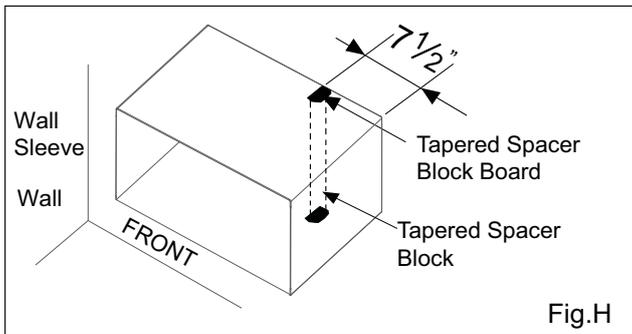
2-Trim frames are supplied with unit.use the trim frame that best fits your sleeve.

12.Slide trim over the front of the air conditioner until trim is flush with sleeve as shown below.



8.If the depth of your existing wall sleeve is less than or equal to 20",skip to step 11.Otherwise,cut the baffles and the support blocks according to length "A" in the table below.

Depth "D" of the existing wall sleeve (inches)	Length "A" (inches)
$20 < D \leq 20 \frac{5}{8}$	$\frac{3}{4}$
$20 \frac{5}{8} < D \leq 21 \frac{3}{4}$	$1 - \frac{3}{4}$
$21 \frac{3}{4} < D \leq 24$	4



Note:Be sure to route the cord through the trim frame before placing the trim frame on the unit.

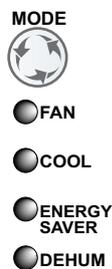
## 6.Parts and Functions

### Mode

1. Press MODE until you see the indicator light glow for the desired setting.
2. Choose Fan, Cool, Energy Saver or Dehum.
  - Fan—Only the fan runs. Press SPEED to select High, Med or Low fan speed. The display shows the current room temperature.
  - Cool—Cools the room. Press SPEED to select High, Med or Low fan speed. Press the TEMP/TIME up or down arrow button to adjust the temperature.
  - Energy Saver—Fan runs only when cooling is needed. Press SPEED to select High, Med or Low fan speed. Because the fan does not circulate the room air continuously, less energy is used, but the room air is not circulated as often.
  - Dehum—Dries the room. The air conditioner automatically selects the temperature.

NOTE:Dehum mode should not be used to cool the room.

In Dehum mode,Please do not operate the speed button.



### Fan Speed

1. Press FAN SPEED until you see the indicator light glow for the desired setting.
2. Choose High, Med or Low.
  - High—for maximum cooling
  - Med—for normal cooling
  - Low—for minimum cooling



### Temperature

- Press the TEMP/TIME up arrow button to raise the temperature. Each time you press or hold the TEMP/TIME up arrow button, the temperature will go up 1°F until it reaches 86°F (30°C).

NOTE:After 5 seconds, the display will show the current room temperature.



- Press the TEMP/TIME down arrow button to lower the temperature. Each time you press or hold the TEMP/TIME down arrow button, the temperature will go down 1°F until it reaches 61°F (16°C).

NOTE:After 5 seconds, the display will show the current room temperature.

### Timer Delay

To set the Timer for a 1-hour to 24-hour delay until the air conditioner turns off (the air conditioner must be On):

1. Press TIMER. Timer Off indicator light will flash. Display will show remaining hours before the air conditioner will turn off.



2. Press the TEMP/TIME up or down arrow button to change the delay time from 1 hour to 24 hours.
3. After 5 seconds, Timer On indicator light will remain on. Display will show the current room temperature.

To set the Timer to turn on the air conditioner, keeping previous settings:

1. Turn on the air conditioner.
2. Press TIMER. Timer On indicator light will flash. Display will show remaining hours before the air conditioner will turn on.
3. Press the TEMP/TIME up or down arrow button to change the delay time from 1 hour to 24 hours.
4. Timer On indicator light will remain on. Display will show the current room temperature.

To set the Timer to turn on the air conditioner, changing the previous settings:

1. Turn on the air conditioner.
2. Adjust the mode to Fan, Cool, Energy Saver or Dehum.
3. For Fan, Cool or Energy Saver mode, adjust the fan speed to High, Med or Low.
4. Adjust the temperature between 61°F and 86°F (16°C and 30°C).

NOTE:In Fan mode, the temperature cannot be set.

5. Press TIMER. Timer On indicator light will flash. Display will show remaining hours before the air conditioner will turn on.
6. Press the TEMP/TIME up or down arrow button to change the delay time from 1 hour to 24 hours.
7. Timer On indicator light will remain on.

To clear Timer delay program:

NOTE:Air conditioner can be either on or off.

1. Press TEMP/TIME once after it has been programmed. Display will show remaining time.
2. While the display is showing the remaining time, press TIMER until Timer Off indicator light will turn off.

To see or change the remaining time (in hours):

Timer Off :

1. Press TEMP/TIME once after it has been programmed. Display on the air conditioner control panel will show remaining time.
2. While the display is showing the remaining time, press the TEMP/TIME up or down arrow button to increase or decrease the time.
3. After 5 seconds, the display on the air conditioner control panel will show the current room temperature.

Timer On :

1. Display on the air conditioner control panel will show remaining time.
2. While the display is showing the remaining time, press the TEMP/TIME up or down arrow button to increase or decrease the time.

## Using the Remote Control

NOTE:Dots are Braille text for sight Impaired.  
Remote control may differ in appearance.



NOTE:One CR2025 battery (included) powers the remote control. Replace battery after 6 months of use, or when the remote control starts to lose power.

### Power

Press ON/OFF to turn on the air conditioner.



### Mode

Press MODE to choose Fan, Cool, Energy Saver or Dehum.



### Speed

Press SPEED to choose High, Med or Low.



### Temperature

- Press the TEMP/TIME up arrow button to raise the temperature. Each time you press or hold the TEMP/TIME up arrow button, the temperature will go up 1°F until it reaches 86°F (30°C).



- Press the TEMP/TIME down arrow button to lower the temperature. Each time you press or hold the TEMP/TIME down arrow button, the temperature will go down 1°F until it reaches 61°F (16°C).



## Timer

To set the Timer for a 1-hour to 24-hour delay before the air conditioner is turned off (the air conditioner must be On):

1. Press TIMER. Timer **Off** indicator light on the air conditioner control panel will flash.



2. Press the TEMP/TIME up or down arrow button to change the delay time from 1 hour to 24 hours.
3. After 5 seconds, Timer **On** indicator light on the air condition control panel will remain on.

To set Timer to turn on the air conditioner, keeping previous settings:

1. Turn on the air conditioner.
2. Press TIMER. Timer On indicator light on the air conditioner control panel will flash.
3. Press the TEMP/TIME up or down arrow button to change the delay time from 1 hour to 24 hours.
4. After 5 seconds, Timer On indicator light on the air conditioner control panel will remain on.

To set Timer to turn on the air conditioner, changing the previous settings:

1. Turn on the air conditioner.
2. Adjust the mode to Fan, Cool, Energy Saver or Dehum.
3. For Fan, Cool or Energy Saver mode, adjust the fan speed to High, Med or Low.  
NOTE:In Dehum mode, the Speed button will not operate.
4. Adjust the temperature between 61°F and 86°F (16°C and 30°C).  
NOTE:In Fan mode, the temperature cannot be set.
5. Press TIMER. Timer On indicator light on the air conditioner control panel will flash. Display will show remaining
6. hours before the air conditioner will turn on.  
Press the TEMP/TIME up or down arrow button to change the delay time from 1 hour to 24 hours.
7. Timer On indicator light on the air conditioner control panel will remain on.

To clear Timer delay program:

NOTE:Air conditioner can be either on or off.

1. Press TIMER once after it has been programmed. Display on the air conditioner control panel will show remaining time.
2. While the display is showing the remaining time, press TIMER untill Timer indicator light turns off.

To see or change the remaining time (in hours):

Timer Off :

1. Press TEMP/TIME once after it has been programmed. Display on the air conditioner control panel will show remaining time.
2. While the display is showing the remaining time, press the TEMP/TIME up or down arrow button to increase or decrease the time.
3. After 5 seconds, the display on the air conditioner control panel will show the current room temperature.

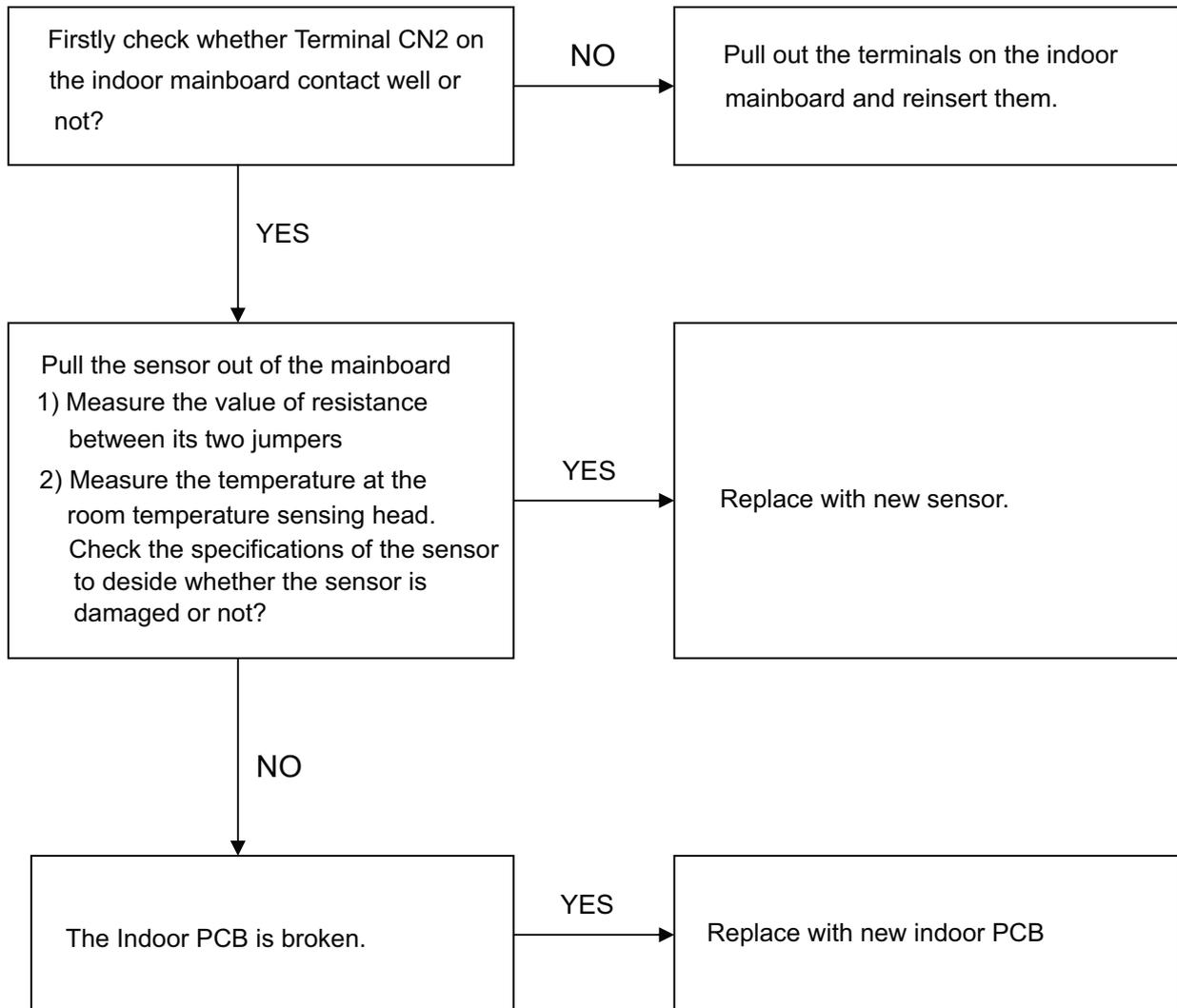
Timer On :

1. Display on the air conditioner control panel will show remaining time.
2. While the display is showing the remaining time, press the TEMP/TIME up or down arrow button to increase or decrease the time.

## 7. Abnormity Diagnose

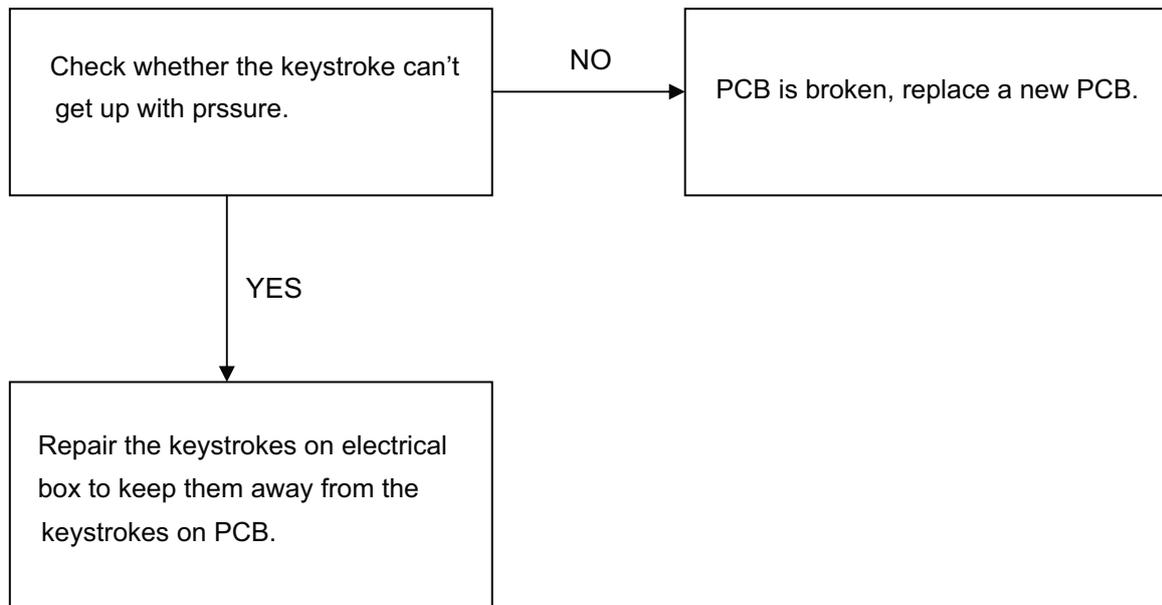
### 1. Sensor Diagnose:

2 seconds after the sensors open circuit or short circuit, the unit will turn off automatically and the LED will show E0 until the sensors resume.

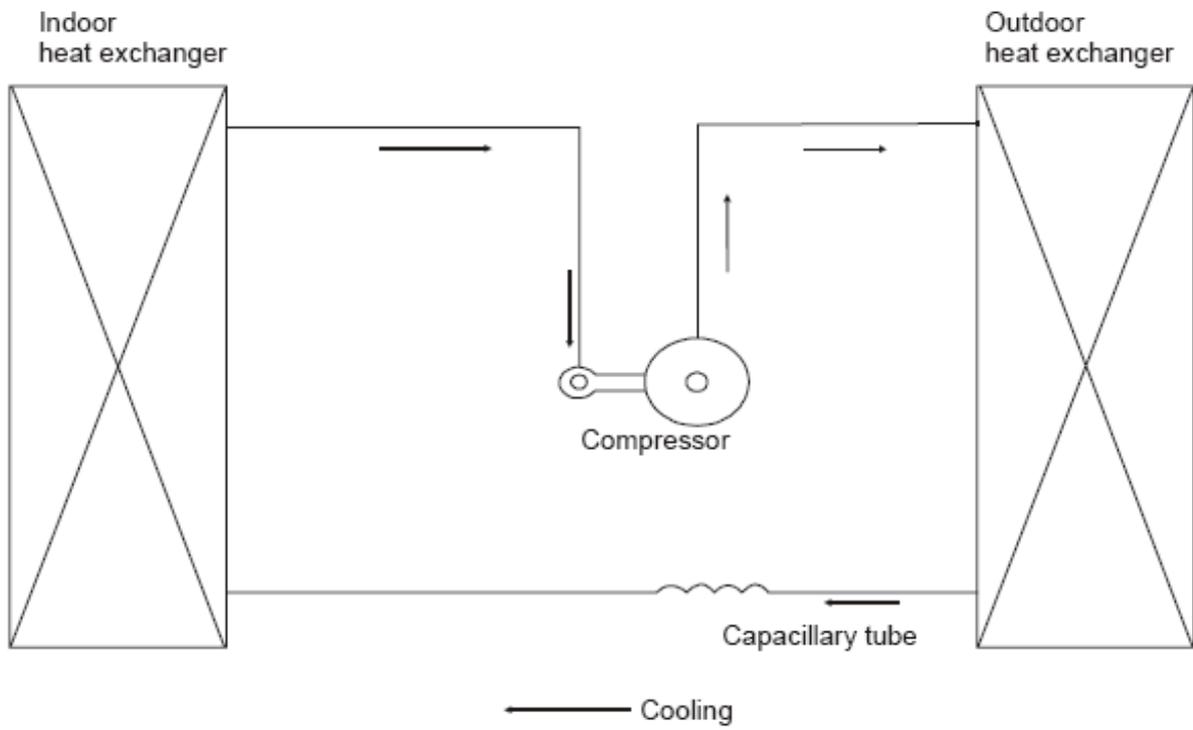


## 2. Keystroke circuit error diagnose:

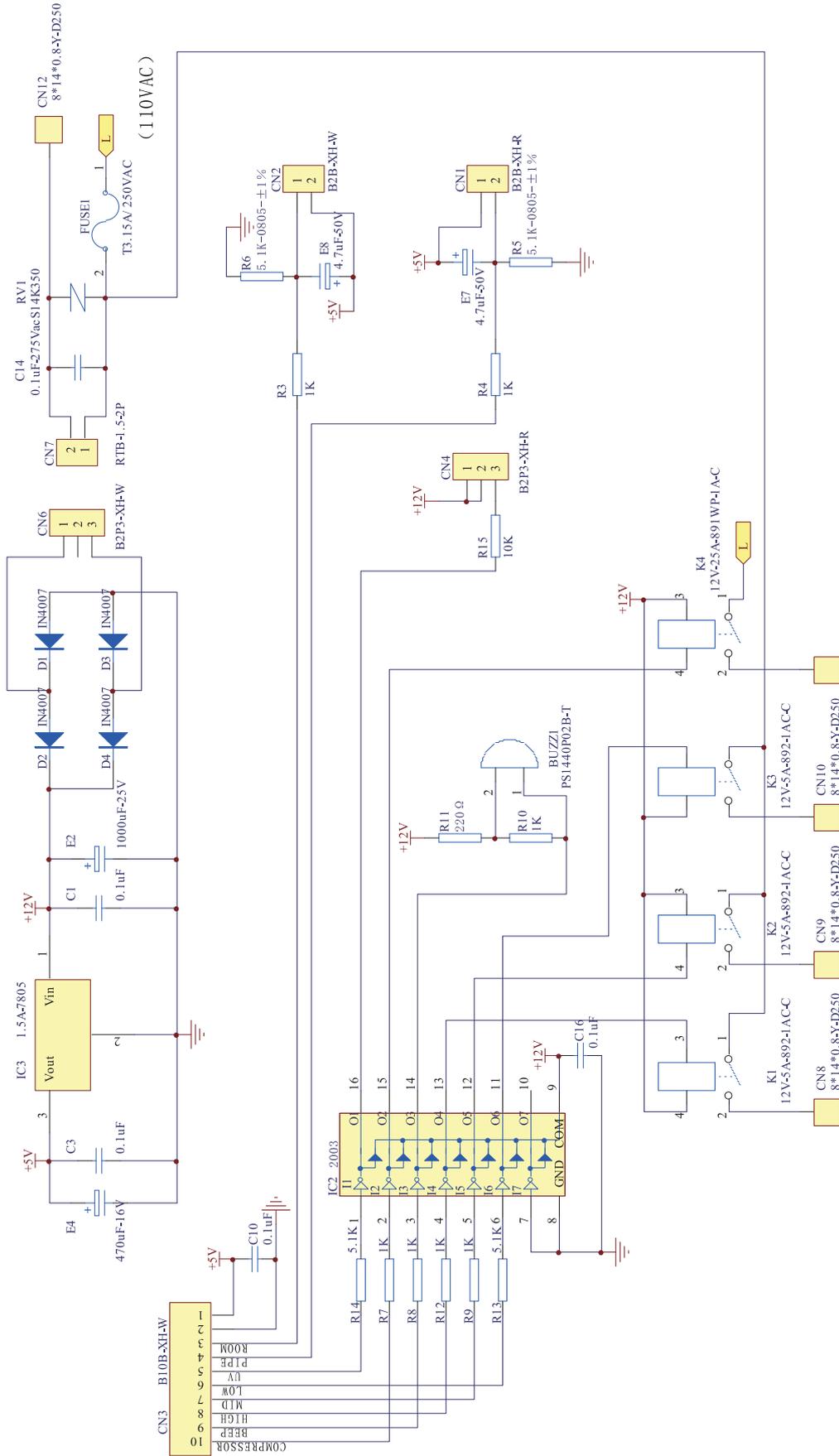
When power on for the first time, the PCB will check the keystroke circuit, is the sampling value is defferent with the theory value, the LED will show E1, which means failed keystroke circuit. The keyboard is locked and so invalid, but the remote control is working normally.



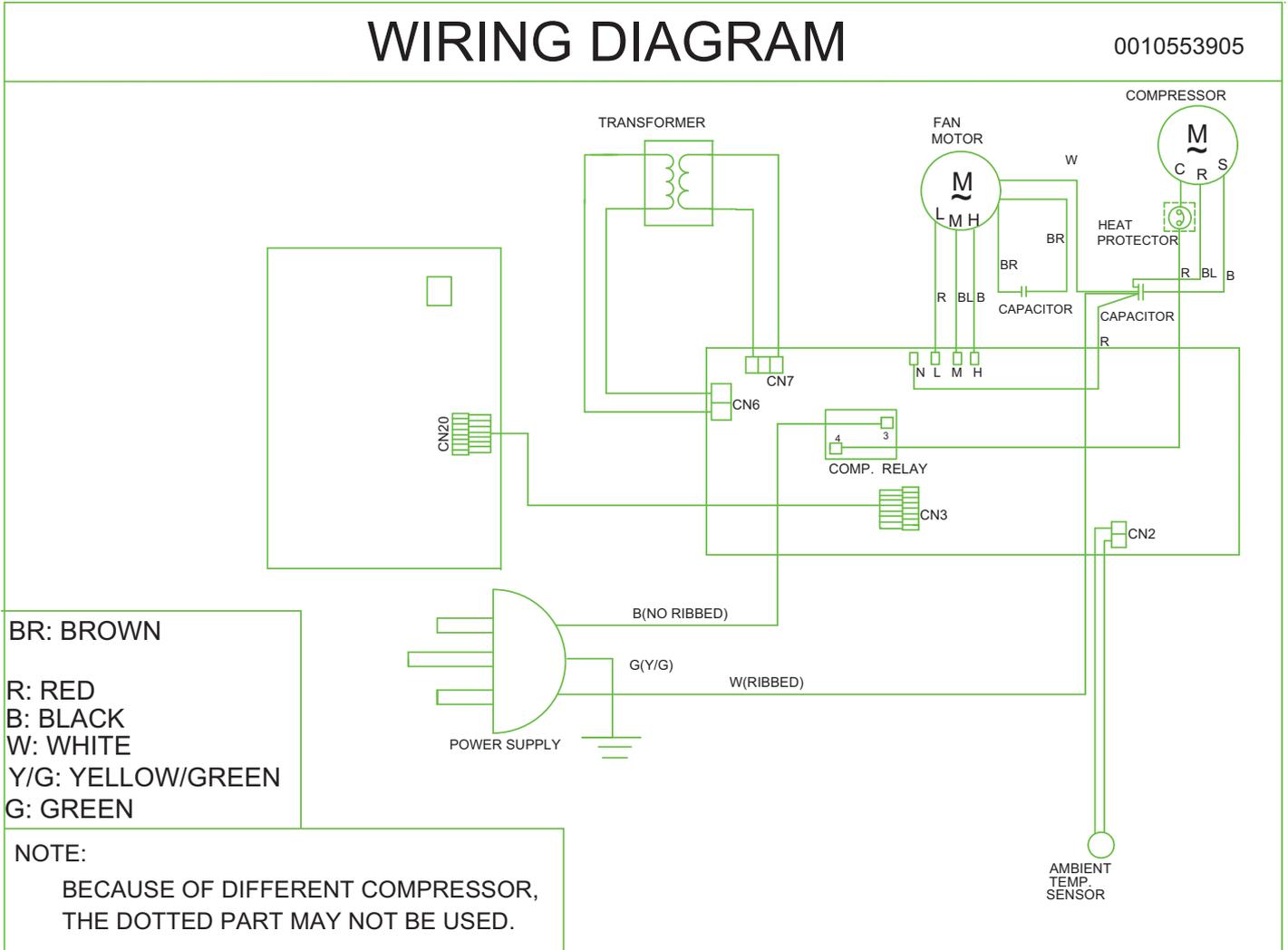
# 8. System Flow Chart







# 10. Wiring Diagram



# Sincere Forever

## Haier Group

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Haier Industrial Park, No.1, Haier Road

266101, Qingdao, China\_

E-mail: [hractech@haier.com](mailto:hractech@haier.com)

Tel: +86 532 88936935

Http://www.haier.com

Edited by: LiangJun

ZhangJing

Signed by: WangRuoFeng

Approved by: ZhuZhenXue