

# Installation and Maintenance Instructions

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## SAFETY CONSIDERATIONS

Improper installation, adjustment, alteration, service, maintenance, or use can cause explosion, fire, electrical shock, or other conditions which may cause death, personal injury or property damage. The qualified installer or agency must use factory-authorized kits or accessories when modifying this product.

Follow all safety codes. Wear safety glasses, protective clothing, and work gloves. Use quenching cloth for brazing operations. Have fire extinguisher available. Read these instructions thoroughly and follow all warnings or cautions included in literature and attached to the unit. Consult local building codes and the current editions of the National Electrical Code (NEC) ANSI/NFPA (American National Standards Institute/National Fire Protection Association) 70. In Canada, refer to the current editions of the Canadian Electrical Code CSA (Canadian Standards Association) C22.1.

Understand the signal words — DANGER, WARNING, and CAUTION. DANGER identifies the most serious hazards

which will result in severe personal injury or death. WARNING signifies hazards that could result in personal injury or death. CAUTION is used to identify unsafe practices, which would result in minor personal injury or product and property damage.

Recognize safety information. This is the safety-alert symbol (⚠). When this symbol is displayed on the unit and in instructions or manuals, be alert to the potential for personal injury.

**⚠ WARNING**

Electrical shock can cause personal injury and death. Shut off all power to this equipment during installation. There may be more than one disconnect switch. Tag all disconnect locations to alert others not to restore power until work is completed.

**⚠ WARNING**

When installing the equipment in a small space, provide adequate measures to avoid refrigerant concentration exceeding safety limits due to refrigerant leak. In case of refrigerant leak during installation, ventilate the space immediately. Failure to follow this procedure may lead to personal injury.

**⚠ WARNING**

**DO NOT USE TORCH** to remove any component. System contains oil and refrigerant under pressure.

To remove a component, wear protective gloves and goggles and proceed as follows:

- a. Shut off electrical power to unit.
- b. Recover refrigerant to relieve all pressure from system using both high-pressure and low pressure ports.
- c. Traces of vapor should be displaced with nitrogen and the work area should be well ventilated. Refrigerant in contact with an open flame produces toxic gases.
- d. Cut component connection tubing with tubing cutter and remove component from unit. Use a pan to catch any oil that may come out of the lines and as a gage for how much oil to add to the system.
- e. Carefully unsweat remaining tubing stubs when necessary. Oil can ignite when exposed to torch flame.

Failure to follow these procedures may result in personal injury or death.

## GENERAL

### ⚠ CAUTION

DO NOT re-use compressor oil or any oil that has been exposed to the atmosphere. Dispose of oil per local codes and regulations. DO NOT leave refrigerant system open to air any longer than the actual time required to service the equipment. Seal circuits being serviced and charge with dry nitrogen to prevent oil contamination when timely repairs cannot be completed. Failure to follow these procedures may result in damage to equipment. For information about replacement oil type and viscosity, see the Single-Phase VRF Outdoor Unit installation instructions.

The 40WAW high wall mount unit provides an efficient way to heat or cool a space and an attractive appearance. The equipment is initially protected under the manufacturer's standard warranty; however, the warranty is provided under the condition that the steps outlined in this manual for initial inspection, proper installation, regular periodic maintenance, and everyday operation of the unit be followed in detail. This manual should be fully reviewed in advance before initial installation, start-up and any maintenance. Contact your local sales representative or the factory with any questions BEFORE proceeding.

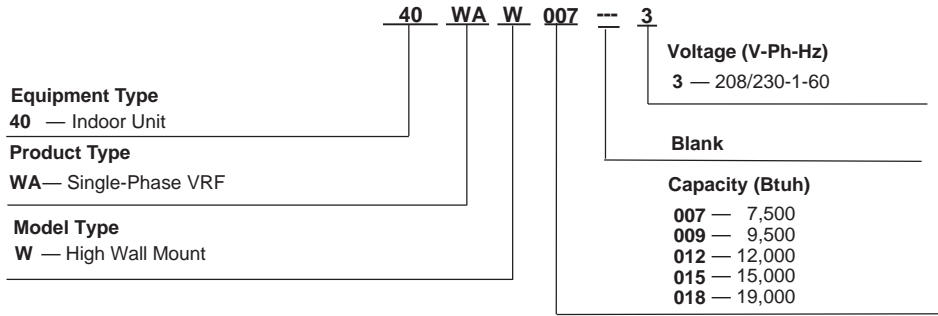
Table 1 lists physical data for each unit size. See Fig. 1 for the model number nomenclature. Figure 2 shows the unit dimensions.

**Table 1 — 40WAW Physical Data**

UNIT 40WAW	007	009	012	015	018
POWER SUPPLY (V-Ph-Hz)	208/230-1-60				
COOLING CAPACITY (Btuh)	7,500	9,500	12,000	15,000	19,000
HEATING CAPACITY (Btuh)	8,500	10,900	13,600	17,000	21,000
INDOOR FAN MOTOR					
Type	AC Motor				
Input (W)	35		55		
INDOOR COIL					
Number of Rows	2				
Fin Spacing (fins/in.)	16				
Fin Type	Aluminum with Hydrophilic Coating				
Tube Diameter, OD (in.)	<sup>9</sup> / <sub>32</sub>				
Tube Type	Copper Tube with Inner Groove				
Number of Circuits	3		6		
INDOOR AIRFLOW (cfm)					
Low	253	282.5	370.8	444	
Medium	282.5	306	444	506	
High	309	347	506	544	
INDOOR NOISE LEVEL (dBA)					
Low	29		34		
Medium	32		38		
High	35		40		
UNIT DIMENSIONS (in.)					
Width	36		42 <sup>1</sup> / <sub>4</sub>		
Height	11 <sup>1</sup> / <sub>2</sub>		12 <sup>1</sup> / <sub>2</sub>		
Depth	9		9		
PACKING DIMENSIONS (in.)					
Width	40 <sup>1</sup> / <sub>4</sub>		46 <sup>1</sup> / <sub>2</sub>		
Height	15 <sup>3</sup> / <sub>8</sub>		16 <sup>3</sup> / <sub>8</sub>		
Depth	12 <sup>1</sup> / <sub>2</sub>		12 <sup>1</sup> / <sub>2</sub>		
NET/GROSS WEIGHT (lb)	30/37		35/44		
REFRIGERANT TYPE	R-410A				
EXPANSION DEVICE	EXV (Integrated with the Evaporator)				
DESIGN PRESSURE, H/L (psig)	650/250				
REFRIGERANT PIPING (in.)					
Liquid Side, OD	<sup>1</sup> / <sub>4</sub>		<sup>3</sup> / <sub>8</sub>		
Suction Side, OD	<sup>1</sup> / <sub>2</sub>		<sup>5</sup> / <sub>8</sub>		
CONNECTING WIRING					
Power Wiring	Sized per NEC and Local Codes Based on Nameplate Electrical Data 3 x 14 AWG				
Signal Wiring	3-Core Shielded Wire x 20 AWG				
DRAINAGE WATER PIPE DIAMETER, OD (in.)	<sup>3</sup> / <sub>4</sub>				

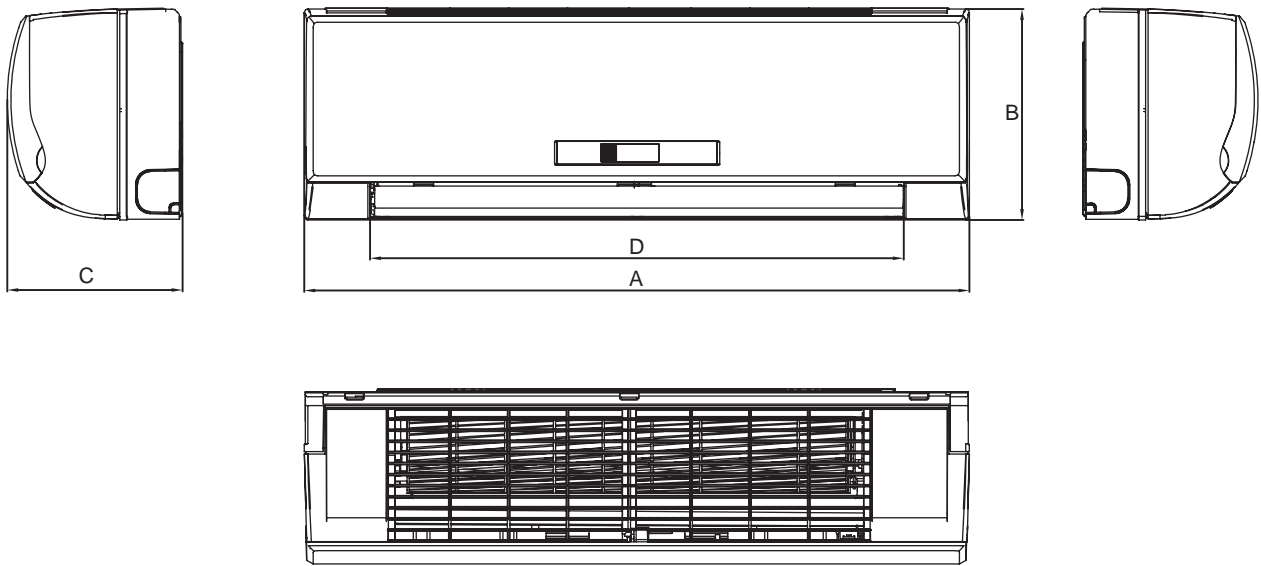
LEGEND

- EXV — Electronic Expansion Valve  
 NEC — National Electrical Code



LEGEND  
VRF — Variable Refrigerant Flow

**Fig. 1 — Model Number Nomenclature**



40WAW UNIT SIZE	DIMENSION			
	A	B	C	D
007-012	36	11 1/2	9	28 1/4
015,018	42 1/4	12 1/2	9	35 1/8

NOTE: All dimensions shown in inches.

**Fig. 2 — 40WAW007-018 Dimensions**

**INSTALLATION**

**Step 1 — Unpack and Inspect Units** — Units are packaged for shipment to avoid damage during normal transit and handling. It is the receiving party's responsibility to inspect the equipment upon arrival. Any obvious damage to the carton and/or its contents should be reported on the bill of lading and a claim should be filed with the transportation company and the factory. Unit should always be stored in a dry place, and in the proper orientation as marked on the carton.

**⚠ CAUTION**

To avoid equipment damage, do not lift unit by the drain pipe or refrigerant piping. Unit should be lifted using the mounting brackets.

After determining the condition of the carton exterior, carefully remove each unit from the carton and inspect for hidden damage. Check to make sure that items such as thermostats, controller etc. are accounted for whether packaged separately or shipped at a later date. Any hidden damage should be recorded, a claim should be filed with the transportation company, and the factory should be notified. In the event a claim for

shipping damage is filed, the unit, shipping carton, and all packing must be retained for physical inspection by the transportation company. All units should be stored in the factory shipping carton with internal packaging in place until installation.

**PROTECTING UNITS FROM DAMAGE** — Do not apply force or pressure to the coil, piping, or drain stub-outs during handling. All units should be handled by the chassis or as close as possible to the unit mounting point locations.

The unit must always be properly supported. Temporary supports used during installation or service must be adequate to hold the unit securely. To maintain warranty, protect units against hostile environments (such as rain, snow or extreme temperature), theft, vandalism, and debris on jobsite. Equipment covered in this manual is not suitable for outdoor installations. Do not allow foreign material to fall into drain pan. Prevent dust and debris from being deposited on motor, fan wheels and coils. Failure to do so may have serious adverse effects on unit operation and in the case of motor and blower assembly, may result in immediate or premature failure. Failure of any unit caused by deposits of foreign material on the motor or blower wheels will not be covered by the manufacturer's warranty. Some units and/or job conditions may require some form of temporary covering during construction.

**PREPARING JOBSITE FOR UNIT INSTALLATION** — To save time and to reduce the possibility of costly errors, set up a complete sample installation in a typical room at jobsite. Check all critical dimensions such as pipe, wire, and duct connections requirements. Refer to job drawings and product dimension drawings as required. Instruct all trades in their parts of the installation. Units must be installed in compliance with all applicable local code requirements.

**IDENTIFYING AND PREPARING UNITS** — Be sure power requirements match available power source. Refer to unit nameplate and wiring diagram. In addition:

- Check all tags on unit to determine if shipping screws are to be removed. Remove screws as directed.
- Rotate the fan wheel by hand to ensure that the fan is unrestricted and can rotate freely. Check for shipping damage and fan obstructions. Adjust blower motor as required.

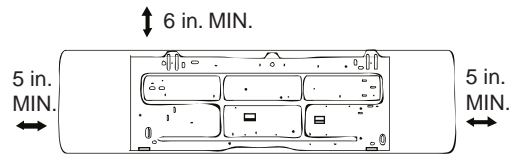
## Step 2 — Position the Unit

### ⚠ DANGER

Units must not be installed where they may be exposed to potentially explosive or flammable atmosphere. If this instruction is not followed exactly, a fire or explosion may result, causing property damage, injury, or loss of life.

Select the unit position with the following points in mind:

- The unit should be installed on wall studs that are strong enough to support the total weight of the unit, refrigerant piping, and condensate.
- The unit should be mounted 8 ft or more from the floor and if possible, centrally located on the wall from both ends.
- Proper clearance should be provided on the side and top as shown in Fig. 3.



**Fig. 3 — Required Clearances**

- The unit should not be positioned directly above any obstruction.
- The unit must be installed square and level.
- The condensate drain should have sufficient downward slope in the condensate flow direction.

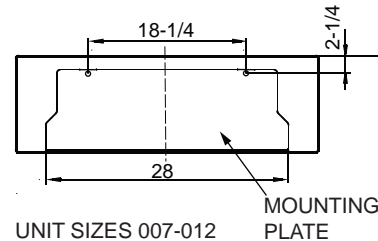
## Step 3 — Mount the Unit

### ⚠ CAUTION

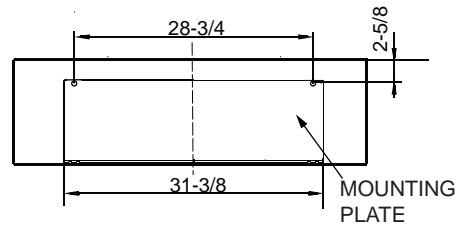
When determining the unit mounting location, make sure that there are no water, plumbing, or electrical lines running through the wall. Failure to follow this instruction may result in property damage.

1. Detach the mounting plate from the unit.
2. Place the mounting plate on the wall where the unit will be installed and mark the mounting holes. See Fig. 4.

Be sure the mounting hole marks are positioned over the wall studs.



UNIT SIZES 007-012



UNIT SIZES 015-018

NOTE: All dimensions in inches.

## Fig. 4 — Mounting Plate

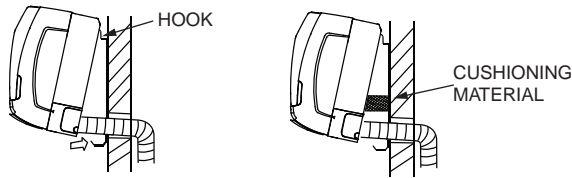
3. Mark the condensate and refrigerant piping route. If necessary, cut hole in wall to route the piping.
4. Secure the mounting plate with screws that can support the weight of the unit. For nominal weight of the unit, see Table 1.

5. Make sure the mounting plate is leveled and flush with the wall.
6. Secure the unit in position by lifting the unit over the mounting plate. Make sure the hook on the mounting plate aligns with the slot on the back of the unit. To ensure proper fit, slide the unit sideways. If the unit is locked in the correct position, it should not move.

#### Step 4 — Connect Piping

##### GENERAL

1. For condensate and refrigerant piping, lift the unit from bottom, making sure the unit is still attached to the mounting plate at the top. See Fig. 5.
2. Introduce temporary cushioning material to maintain the space needed to connect the piping and to avoid damage to unit and wall. See Fig. 5.

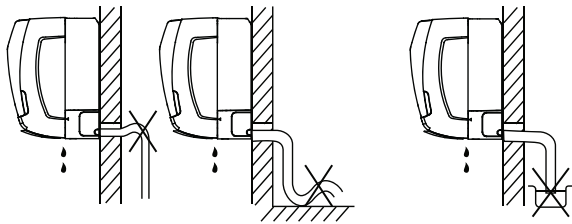


**Fig. 5 — Piping Connection**

3. When the piping connections are completed, remove the cushioning material and make sure the unit is flush with the wall.

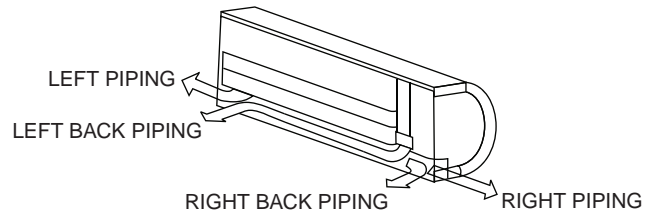
**CONDENSATE PIPING** — The unit is supplied with a  $\frac{3}{4}$ -in. OD drain connection to connect copper or PVC drain piping. When installing condensate piping, follow these recommendations:

- Condensate drain should slope downward in the direction of condensate flow.
- DO NOT install any U bends or dump the condensate line in a sump filled with water. See Fig. 6.



**Fig. 6 — Condensate Piping, Poor Installation**

- When multiple units are connected to a common condensate drain, ensure that the drain is large enough to accommodate the volume of condensate from all units. It is also recommended to have an air vent in the condensate piping to prevent any air locks.
- Condensate piping must not be installed where it may be exposed to freezing temperatures.
- Condensate piping can be routed in one of the four directions shown in Fig. 7.



**Fig. 7 — Condensate Pipe Routes**

##### REFRIGERANT PIPING

#### ⚠ CAUTION

When connecting from an indoor unit to an outdoor unit, the isolation valve at the outdoor unit should be in closed position throughout the refrigerant piping process. Failure to follow this procedure may result in equipment damage.

When connecting from an indoor unit to an outdoor unit, follow these procedures:

- Check maximum height drop and length of refrigerant piping between the indoor and outdoor unit. If the difference between them is more than 33 ft, consider mounting the outdoor unit above indoor unit.
- Refrigerant piping connection between indoor and outdoor units should be performed once the units are secured at their respective installation locations.
- The refrigeration piping starts at the indoor unit and ends at the outdoor unit.
- The number of bends in the refrigeration piping must be fewer than 15.
- The refrigerant piping should be dry and free of dust and other impurities.
- The bending angle of the refrigerant pipe should not exceed 90 degrees and the bending radius should be as large as possible to prevent any breakage in piping.
- Use proper cutting and flaring tools to avoid leakage.
- Before insulating the suction and liquid refrigeration pipes, perform pressure and leak tests. For details, see the outdoor unit installation manual. Insulating both suction and liquid refrigerant pipes is recommended.
- Vacuuming and charging of the system should be carried out as described in the outdoor unit installation manual.

#### Step 5 — Complete Electrical Connections —

Installation of wiring must conform with local building codes and with National Electric Code ANSI/NFPA 70, latest editions. Units must be electrically grounded in conformance with the code. In Canada, wiring must comply with CSA C22.1, Electrical Code.

#### ⚠ WARNING

Electrical shock can cause personal injury and death. Disconnect power supply before making wiring connections. There may be more than one disconnect switch. Tag all disconnect locations to alert others not to restore power until work is completed.

**⚠ WARNING**

All units must be wired strictly in accordance with the wiring diagram furnished with the unit. Any wiring different from the wiring diagram could result in personal injury and property damage.

**⚠ CAUTION**

Any original factory wiring that requires replacement must be replaced with wiring material having a temperature rating of at least 105 C.

Ensure supply voltage to the unit, as indicated on the serial plate, is not more than 10% over the rated voltage or 10% under the rated voltage.

Failure to follow these recommendations may result in equipment damage.

This equipment in its standard form is designed for an electrical supply of 208/230-1-60. Any damage to or failure of units caused by incorrect wiring or voltage is not covered by warranty.

Electric wiring must be sized to carry the full load amp draw of the motor, starter, and any other controls that are used with the unit. See Table 2 for electrical data.

**Table 2 — 40WAW Electrical Data**

UNIT	POWER SUPPLY	
	MCA	MOPD
<b>40WAW007</b>	0.2	15
<b>40WAW009</b>	0.2	15
<b>40WAW012</b>	0.2	15
<b>40WAW015</b>	0.3	15
<b>40WAW018</b>	0.3	15

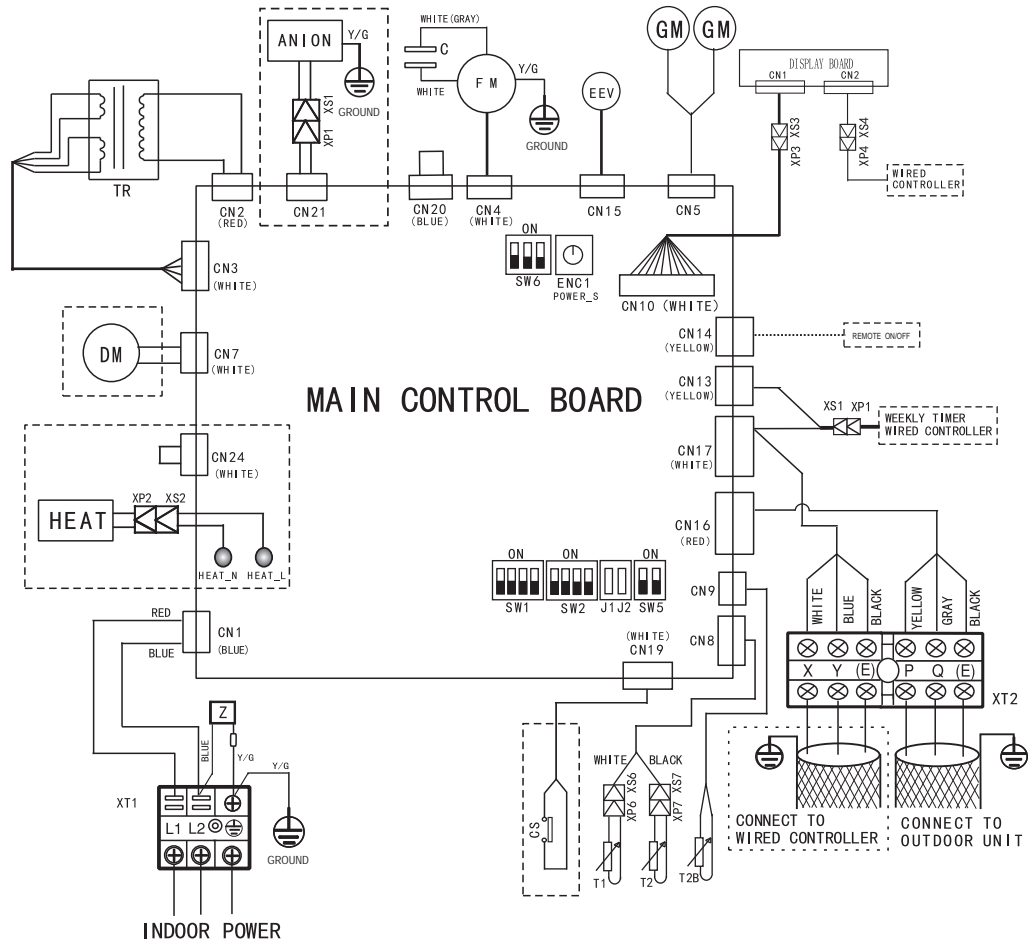
LEGEND

- MCA** — Minimum Circuit Amps
- MOPD** — Maximum Overcurrent Protective Device



After the pipe work is complete, the electrical supply can be connected by routing the cable through the appropriate casing holes or knockouts and connecting the supply and ground cables to the unit's power terminal.

Be sure the power wiring and control wiring do not cross, as this might cause disturbance on the controls side. See Fig. 8 for wiring diagram.



- LEGEND**
- ANION** — Anion Generator
  - C** — Fan Capacitor
  - CS** — Water Level Switch
  - DM** — Pump Motor
  - EEV** — Electronic Expansion Valve
  - FM** — Indoor Fan
  - GM** — Swing Motor
  - HEAT** — Auxiliary Heater
  - T1** — Inlet Air Temperature
  - T2** — Coil Temperature
  - T2B** — Evap. Outlet Temperature in Cooling Mode
  - TR** — Transformer
  - XP1-7** — Plug
  - XS1-7** — Jack
  - XT1-2** — Terminal Block
  - Optional Component or Field Wiring

**Fig. 8 — 40WAW007-018 Typical Wiring Diagram**

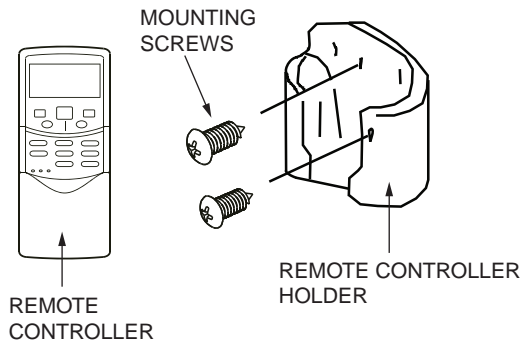


**Step 6 — Position and Connect Controller —**  
 Controllers are ordered separately.

Wired controllers should be installed in a position that maintains good temperature control:

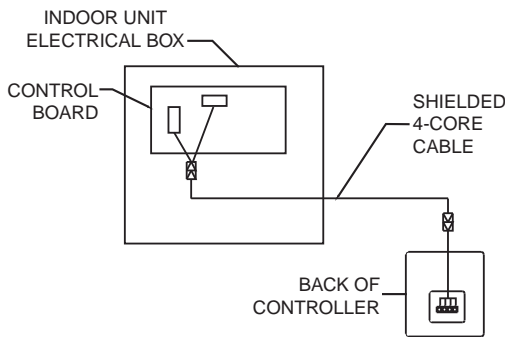
- Position the thermostat approximately 48 in. above floor level.
- Do not position thermostat where it can be directly affected by the unit's discharge airstream.
- Avoid external walls and drafts from window and doors.
- Avoid positioning near shelves and curtains as these restrict air movement.
- Avoid heat sources such as direct sunlight, heaters, dimmer switches, and other electrical devices.

**WIRELESS REMOTE CONTROLLER** — Before installation, operate the remote controller to determine the appropriate location for reception range. Avoid direct sunlight exposure or heating sources. Use proper mounting screws and controller bracket to mount the controller on the wall (see Fig. 9). For setup instructions, refer to the controller installation manual.



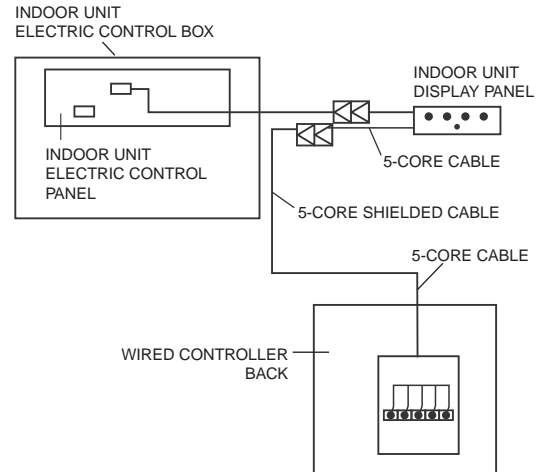
**Fig. 9 — Wireless Remote Controller**

**WIRED REMOTE CONTROLLER (PROGRAMMABLE)** — To connect a wired remote controller (thermostat) to the indoor unit, use 4-core shielded cable and 4-pin connector from electrical box of indoor unit (see Fig. 10). For setup instructions, refer to the controller installation manual.



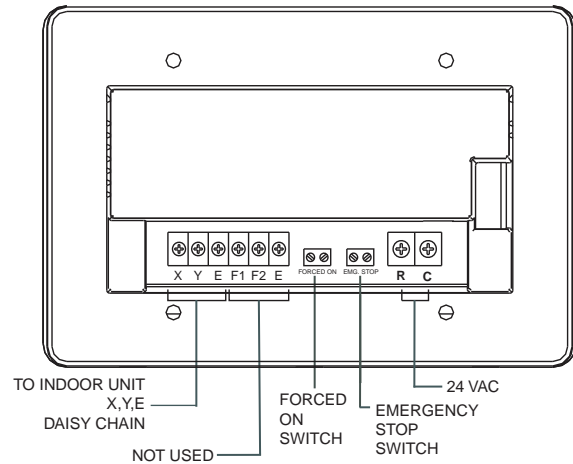
**Fig. 10 — Wired Remote Controller (Programmable) Wiring**

**WIRED REMOTE CONTROLLER (NON-PROGRAMMABLE)** — To connect wired remote controller (thermostat) to the indoor unit, use 5-core shielded cable and 5-pin connector from unit display panel (see Fig. 11). For setup instructions, refer to the controller installation manual.



**Fig. 11 — Wired Remote Controller (Non-Programmable) Wiring**

**CENTRAL CONTROLLER** — The central controller is connected to the indoor unit through outdoor unit with 3-core shielded cable (see Fig. 12). For setup instructions, refer to the controller installation manual.



**Fig. 12 — Central Controller Wiring**



## START-UP

**Pre-Start Check** — Once installation is complete, make the following pre-start checks:

1. All indoor and outdoor units are properly installed.
2. All piping and insulation is complete.
3. All electrical connections (both power and control) are properly terminated.
4. All condensate drains are installed correctly.
5. The power supply is of the right voltage and frequency.
6. The units are properly grounded in accordance with current electrical codes.
7. Suction and liquid line service valves are in the open position.

**System Operation Check** — Once the installation and pre-start checks are completed, follow these steps:

1. Using remote controller, select cooling or heating mode to check the operation of the system.
2. While the system is in operation, check the following on indoor unit:
  - a. Switches or buttons on remote controller are easy to push.
  - b. Indicator light is showing normal operation and no error is indicated.
  - c. Swing mode of air louvers is working (if applicable to unit).
  - d. Drain pump operation is normal (if applicable).
  - e. No abnormal vibration or noise is noticed.
3. While the system is in operation, check the following on outdoor unit:
  - a. No abnormal vibration or noise is noticed.
  - b. Condenser fan is in operation.
  - c. Indicator light is showing normal operation and no error is indicated.

**NOTE:** If unit is turned off or restarted, there is a 3 minute time delay for the compressor to start from the time power is restored.

## MAINTENANCE

### ⚠ CAUTION

When servicing or repairing this unit, use only factory-approved service replacement parts. Refer to the rating plate on the unit for complete unit model number, serial number and company address. Any substitution of parts or controls not approved by the factory will be at the owner's risk and may result in equipment damage.

### ⚠ CAUTION

To avoid equipment damage, do not attempt to reuse any mechanical or electrical controllers that have been wet. Replace defective controller.

**EVERY 3 MONTHS:**

- Check air filter condition. Clean or replace if necessary.

**EVERY 6 MONTHS** — Follow 3-month maintenance schedule. In addition:

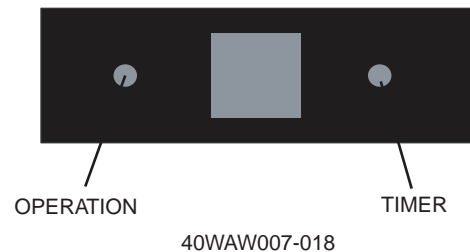
- Clean condensate tray with suitable cleaning agent.
- Clean the grille and panel.

**EVERY 12 MONTHS** — Follow 6-month maintenance schedule. In addition:

- Be sure all electrical connections are secure.
- Check condensate pump operation.
- Check heating and cooling action for proper operation.

## TROUBLESHOOTING

Figure 13 shows an LED display panel for the 40WAW007-018 units. See Table 3 for a summary of display indicators. Table 4 lists problems, possible causes, and possible solutions.



**Fig. 13 — 40WAW LED Display Panel**

**Table 3 — LED Display Indicators**

ERROR CODE	LED DISPLAY	MODE/STATUS
[NO ERROR]	Operation Light ON	Starting
	Operation Light OFF	Shutdown
	Operation Light Flashing Slow*	Standby
	Timer Light ON	Timing ON
	Timer Light OFF	Timing OFF
E1	Timer Light Flashing Fast†	Communication Error Between Indoor and Outdoor Unit
E2	Operation Light Flashing Fast	Check Indoor Ambient Temperature Sensor (T1)
E3		Check Evaporator Temperature Sensor (T2)
E4		Check Evaporator Outlet Temperature Sensor (T2B)
FE	Operation and Timer Lights Flashing Fast	Indoor Unit Turned ON but does not have an Address
F0	Wired Remote Controller Only (40WA900023)	Communication Error between Indoor Unit and Wired Remote Controller


\*Flashing Slow = Flashing once per second.

†Flashing Fast = Flashing twice per second.

**Table 4 — Troubleshooting**

ERROR	DISPLAY	POSSIBLE CAUSES	POSSIBLE SOLUTIONS
E1	Timer Light Flashing Fast (Communication Error)	Signal wires are short-circuited or disconnected.	Check or reconnect signal wire.
		Signal wire order is incorrect.	Correct signal wire order.
		Signal wires crossing over high voltage power wires.	Separate and distance the signal wire from high voltage power wires.
		Signal wire close to electromagnetic source.	Distance signal wires from electromagnetic source.
		Signal wire length exceeds 360 ft.	Reduce the signal wire length.
		PC board fault.	Replace PC board.
E2, E3, E4	Operation Light Flashing Fast (Sensor Error)	Loose connection at port on PC board.	Tighten the connection at port on PC board.
		Sensor is short-circuited.	Using multi-meter, measure resistance of the sensor. If the resistance is $\leq 100$ ohms, change the sensor.
		PC board fault.	Replace PC board.
FE	Operation and Timer Lights Flashing Fast Together (Address Error)	Indoor unit without address.	Run automatic addressing option at the outdoor unit. Use remote wireless or wired controller to re-address indoor unit.
F0	Wired Remote Controller Screen	Incorrect signal wiring between indoor unit and wired remote controller.	Correct signal wiring between indoor unit and wired remote controller as per wiring diagram provided in installation manual.

**Replacement Parts** — Quote the unit model number and unit serial number when ordering replacement parts or contacting the factory about the unit. This information can be found on the serial plate attached to the unit. See Fig. 14.

<b>WALL MOUNTED UNIT</b>		CONDENSING UNIT IS REQUIRED TO COMPLETE THE INSTALLATION SUITABLE FOR INDOOR USE ONLY REFRIGERANT - R410A		 Intertek CONFORMS TO UL STD 1995 CERTIFIED TO CAN/CSA STD C22.2 NO.226			
MODEL	40WAW009---3						
SERIAL	2115V40002						
FAN MOTOR INDOOR	VOLTS	PH	HZ	FLA	HP	WOUT	Carrier Corporation 7310 West Morris Street Indianapolis, IN 46231 USA MADE IN CHINA 340802-202 REV. B
	208/230	1	60	0.14	1/50	15	

**Fig. 13 — Unit Serial Plate (Example)**

## APPENDIX A — CONTROL SETTINGS

There are 4 DIP switches on the main board. Figures A-D show the settings for each parameter controlled by a switch. Switches are shown in the default settings.



### POSITION 1 — START-UP

- OFF — Auto Addressing Mode (Default)
- ON — Factory Test Mode



### POSITION 2 — FAN

- OFF — AC Fan (Default)
- ON — Do not set switch to ON



### POSITION 3, 4 — Not Used

Fig. A — SW1 Settings



### POSITION 1, 2 — COIL TEMPERATURE, HEATING MODE

- OFF, OFF — Coil Temperature < 59 F, No Heat (Default)
- OFF, ON — Coil Temperature < 68 F, No Heat
- ON, OFF — Coil Temperature < 75.2 F, No Heat
- ON, ON — Coil Temperature < 78.8 F, No Heat



### POSITION 3, 4 — MODE, FAN STATUS, SP REACHED

- OFF, OFF — Cooling Mode/Fan On/SP Reached, Heating Mode/Fan On/SP Reached (Default)
- OFF, ON — Cooling Mode/Fan On/SP Reached, Heating Mode/Fan Off/SP Reached
- ON, OFF — Cooling Mode/Fan Off/SP Reached, Heating Mode/Fan On/SP Reached
- ON, ON — Cooling Mode/Fan Off/SP Reached, Heating Mode/Fan Off/SP Reached

SP — Set Point

Fig. B — SW2 Settings



### POSITION 1, 2 — HEATING TEMPERATURE OFFSET

- OFF, OFF — Temperature Offset is 1.8 F (Default)
- OFF, ON — Temperature Offset is 3.6 F
- ON, OFF — Temperature Offset is 7.2 F
- ON, ON — Temperature Offset is 10.8 F

Fig. C — SW5 Settings



### POSITION 1 — CONTROLS

- OFF — Display Board (Default)
- ON — Control Interface Module



### POSITION 2, 3 — Not Used

Fig. D — SW6 Settings

Terminals J1 and J2 are located on the main control board. The default setting for J1 is no jumper, Auto Restart. When J1 jumper is in place, the setting is Manual Restart. Terminal J2 is not used.

The manual button is located on the display board. The default display is Fahrenheit. To change from Fahrenheit to Celsius, press the button and hold for 5 seconds.

