Installer’s Guide

Low Ambient Control Kit

Model BAYLOAM107A

⚠ SAFETY WARNING

Only qualified personnel should install and service the equipment. The installation, starting up, and servicing of heating, ventilating, and air-conditioning equipment can be hazardous and requires specific knowledge and training. Improperly installed, adjusted or altered equipment by an unqualified person could result in death or serious injury. When working on the equipment, observe all precautions in the literature and on the tags, stickers, and labels that are attached to the equipment.

May 2026

ODR-SVN010A-EN

Introduction

Read this manual thoroughly before operating or servicing this unit.

This document is customer property and is to remain with this unit. Return to the service information pack upon completion of work.

Warnings, Cautions, and Notices

Safety advisories appear throughout this manual as required. Your personal safety and the proper operation of this machine depend upon the strict observance of these precautions.

The three types of advisories are defined as follows:

⚠ WARNING	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
⚠ CAUTION	Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury. It could also be used to alert against unsafe practices.
NOTICE	Indicates a situation that could result in equipment or property-damage only accidents.

Important Environmental Concerns

Scientific research has shown that certain man-made chemicals can affect the earth's naturally occurring stratospheric ozone layer when released to the atmosphere. In particular, several of the identified chemicals that may affect the ozone layer are refrigerants that contain Chlorine, Fluorine and Carbon (CFCs) and those containing Hydrogen, Chlorine, Fluorine and Carbon (HCFCs). Not all refrigerants containing these compounds have the same potential impact to the environment. Trane advocates the responsible handling of all refrigerants.

Important Responsible Refrigerant Practices

Trane believes that responsible refrigerant practices are important to the environment, our customers, and the air conditioning industry. All technicians who handle refrigerants must be certified according to local rules. For the USA, the Federal Clean Air Act (Section 608) sets forth the requirements for handling, reclaiming, recovering and recycling of certain refrigerants and the equipment that is used in these service procedures. In addition, some states or municipalities may have additional requirements that must also be adhered to for responsible management of refrigerants. Know the applicable laws and follow them.

⚠ WARNING

Proper Field Wiring and Grounding Required!

Failure to follow code could result in death or serious injury.

All field wiring MUST be performed by qualified personnel. Improperly installed and grounded field wiring poses FIRE and ELECTROCUTION hazards. To avoid these hazards, you MUST follow requirements for field wiring installation and grounding as described in NEC and your local/state/national electrical codes.

⚠ WARNING

Personal Protective Equipment (PPE) Required!

Failure to wear proper PPE for the job being undertaken could result in death or serious injury.

Technicians, in order to protect themselves from potential electrical, mechanical, and chemical hazards, MUST follow precautions in this manual and on the tags, stickers, and labels, as well as the instructions below:

- **Before installing/servicing this unit, technicians MUST put on all PPE required for the work being undertaken (Examples; cut resistant gloves/ sleeves, butyl gloves, safety glasses, hard hat/ bump cap, fall protection, electrical PPE and arc flash clothing). ALWAYS refer to appropriate Safety Data Sheets (SDS) and OSHA guidelines for proper PPE.**
- **When working with or around hazardous chemicals, ALWAYS refer to the appropriate SDS and OSHA/GHS (Global Harmonized System of Classification and Labelling of Chemicals) guidelines for information on allowable personal exposure levels, proper respiratory protection and handling instructions.**
- **If there is a risk of energized electrical contact, arc, or flash, technicians MUST put on all PPE in accordance with OSHA, NFPA 70E, or other country-specific requirements for arc flash protection, PRIOR to servicing the unit. NEVER PERFORM ANY SWITCHING, DISCONNECTING, OR VOLTAGE TESTING WITHOUT PROPER ELECTRICAL PPE AND ARC FLASH CLOTHING. ENSURE ELECTRICAL METERS AND EQUIPMENT ARE PROPERLY RATED FOR INTENDED VOLTAGE.**

⚠ WARNING

Follow EHS Policies!

Failure to follow instructions below could result in death or serious injury.

- **All Trane personnel must follow the company's Environmental, Health and Safety (EHS) policies when performing work such as hot work, electrical, fall protection, lockout/tagout, refrigerant handling, etc. Where local regulations are more stringent than these policies, those regulations supersede these policies.**
- **Non-Trane personnel should always follow local regulations.**

⚠ WARNING

Cancer and Reproductive Harm!

This product can expose you to chemicals, including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

⚠ WARNING

Safety Hazard!

Failure to follow instructions below could result in death or serious injury or property damage.

This unit is not to be used by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.

Do not allow children to play or climb on the unit or to clean or maintain the unit without supervision.

Copyright

Trademark

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Revision History

This document supersedes 18-HE96D1-1C-EN.

Table of Contents

General Information

Parts List

Table 1. Parts list

Qty	Description
1	Controller Module
1	Liquid Line Temperature Sensor
1	Outdoor Air Temperature Sensor (white)
1	B, Y, O Low Voltage Wiring Harness
1	Sensor Clamp
1	Thermal Grease
1	Insulation Tape
1	Information Label
6	Screws

Table 1. Parts list (continued)

Qty	Description
3	Wire Nuts
3	Wire Ties
1	Installer's Guide
1	Bracket

Inspection

Check carefully for any shipping damage. This must be reported to and claims made against the transportation company immediately. Any missing parts should be reported to your supplier at once and replaced with authorized parts only.

Installation

Notes:

- *As the head pressure control is applied to units operating in low ambient conditions, it is required that the units have compressor crankcase heaters and non-bleed txv's. See the Low Ambient Application documentation.*
- *Not for use with ECM outdoor fan motors.*
- *If the outdoor and/or indoor unit is being installed immediately prior to installing the Low Ambient Control Kit, it is recommended that the system be charged according to the system installation instructions prior to installing the Low Ambient Control Kit. If that is not possible, see the charging instructions later in this document.*

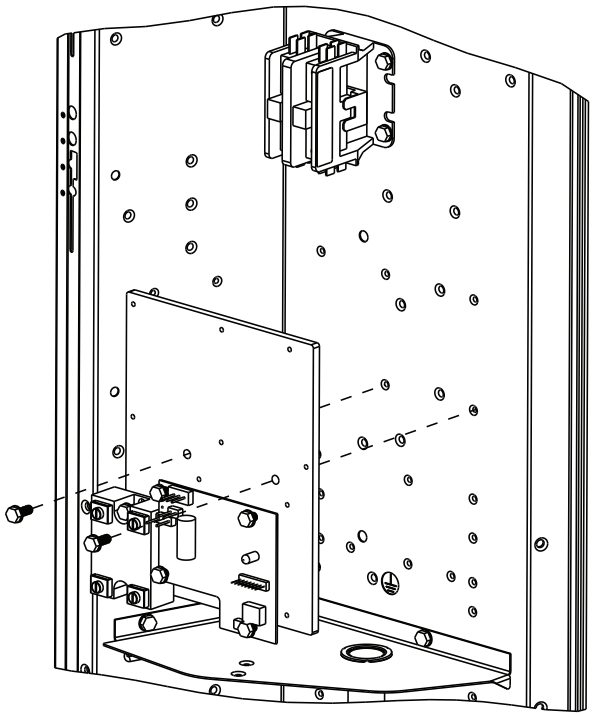
Attach Information Label

Attach the Information Label to the control box cover. This label, identifies fan motor cycling during low ambient operation.

Mounting Control Module in Vertical Discharge Units

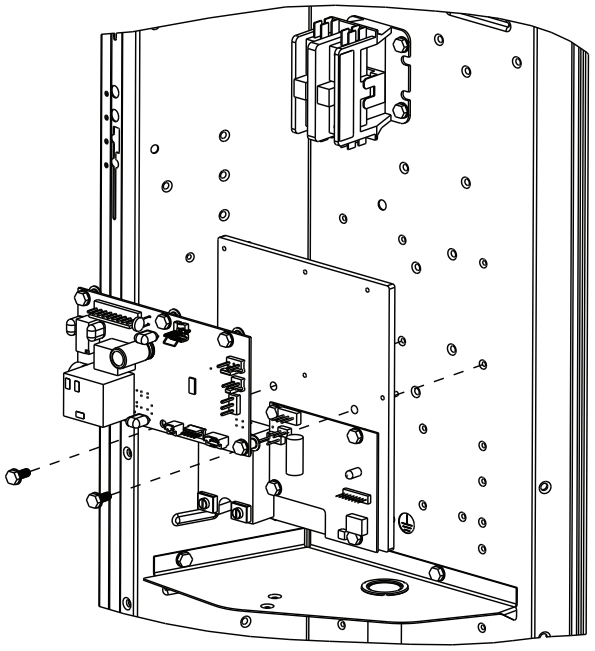
1. Disconnect power from the unit.
2. Remove the cover panel on the control box compartment.
3. Install the control module into the control box.
   a. If installing into an air conditioner unit (non-heat pump), use the three (3) screws provided and attach to the control box as illustrated in Figure 1, p. 6.

Figure 1. Mounting control board vertical discharge (AC)



   b. If installing into a heat pump unit, remove the five (5) screws holding the defrost board, place low ambient kit assembly behind the defrost board and reattach the defrost board and low ambient control with the five (5) screws provided in the kit. Rotate the defrost control counter clockwise ensuring that the fan relay is to the left (see Figure 2, p. 7). Use existing screws provided in the original defrost board mounting location to mount the assembly back onto the control panel.

Figure 2. Mounting control board vertical discharge (HP)



Mounting Control Module in Side Discharge Units (1-Phase)

1. Disconnect power from the unit.
2. Remove the access panel covering the control box compartment.
3. Install the control module into control box.
   a. If installing into an air conditioner unit (non-heat pump), use three (3) of the screws provided in the kit and attach the bracket to the control box as illustrated in Figure 3, p. 7. Use two (2) of the screws provided and attach the low ambient module to the bracket as illustrated in Figure 4, p. 8.

Figure 3. Mounting bracket to control board side discharge (AC)

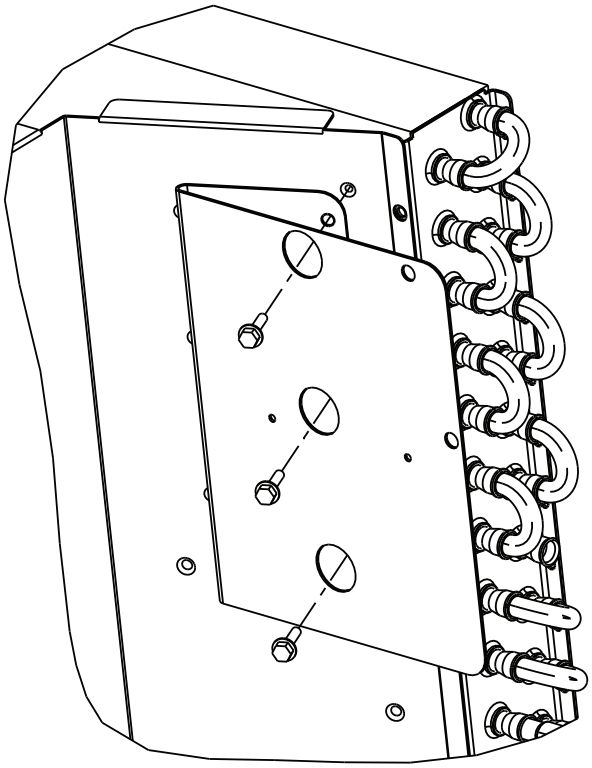
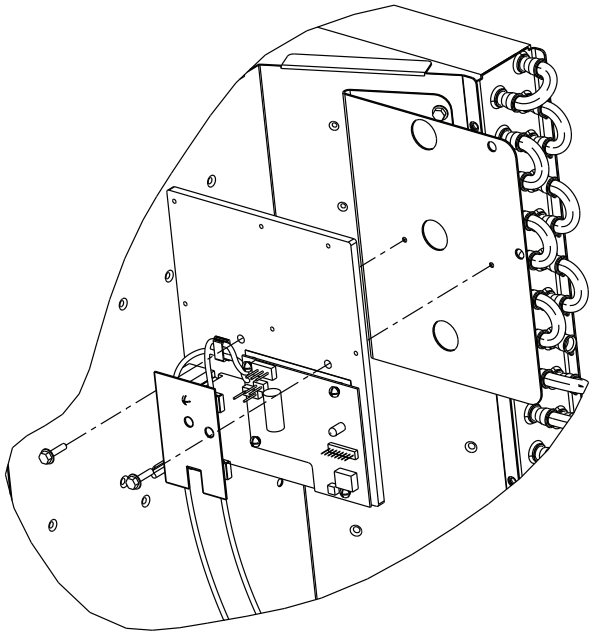
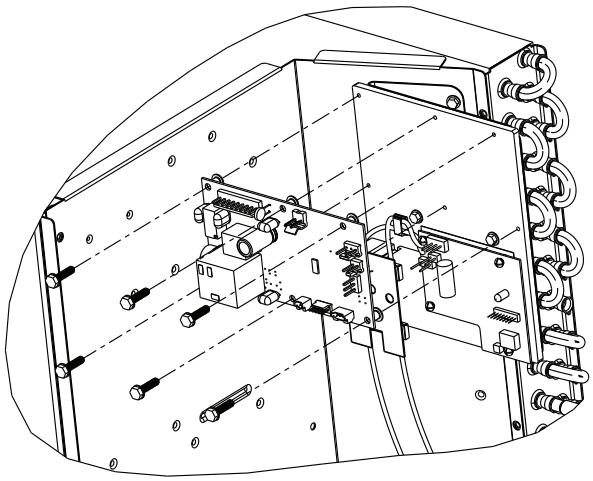


Figure 4. Mounting control board side discharge (AC)



b. If installing into a heat pump unit, remove the five (5) screws holding the defrost board. Use three (3) of the screws provided in the kit and attach the bracket to the control box where the defrost board was located as illustrated in Figure 4, p. 8. Use the same five (5) screws from the defrost board assembly to assemble the board to the low ambient module ensuring that the fan relay is to the left (see Figure 5, p. 8). Use two (2) of the screws provided and attach the low ambient module to the bracket as illustrated in Figure 5, p. 8.

Figure 5. Mounting control board side discharge (HP)



Mounting Control Module in Side Discharge Units (3-Phase)

1. Disconnect power from the unit.
2. Remove the access panel covering the control box compartment.
3. Install the control module into the control box.
   a. If installing into an air conditioner unit (non-heat pump), use two (2) of the screws provided in the kit and attach the bracket to the control box as illustrated in Figure 6, p. 8. Use two (2) of the screws provided and attach the low ambient module to the bracket as illustrated in Figure 7, p. 9.

Figure 6. Mounting bracket to control board side discharge (AC)

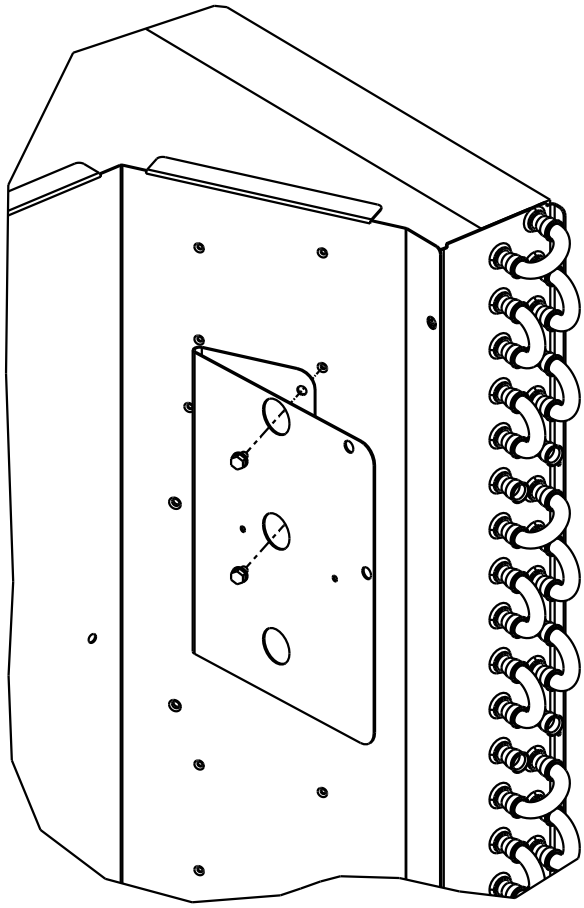
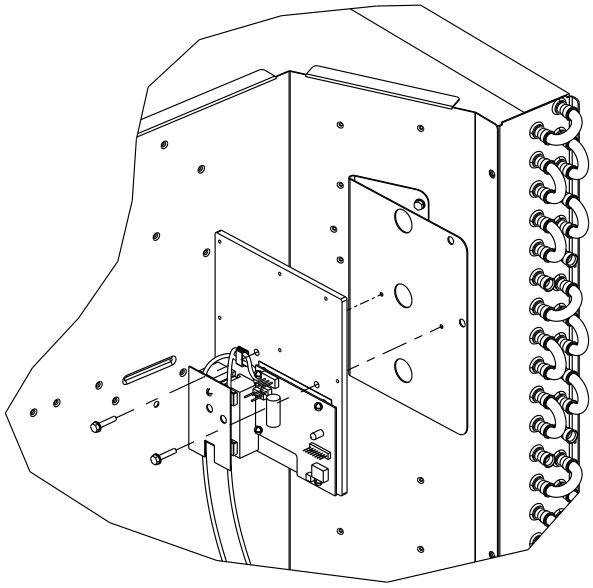
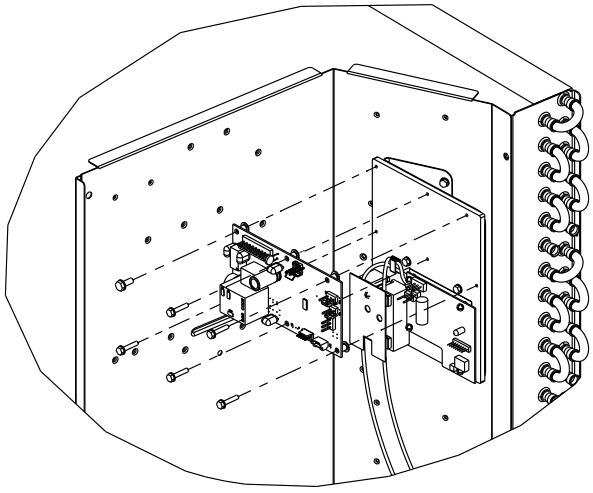


Figure 7. Mounting control board side discharge (AC)



b. If installing into a heat pump unit, remove the six (6) screws holding the defrost board. Use two (2) of the screws provided in the kit and attach the bracket to the control box where the defrost board was located as illustrated in Figure 7, p. 9. Use the same six (6) screws from the defrost board assembly to assemble the board to the low ambient module ensuring that the fan relay is to the left (see Figure 8, p. 9). Use two (2) of the screws provided and attach the low ambient module to the bracket as illustrated in Figure 8, p. 9.

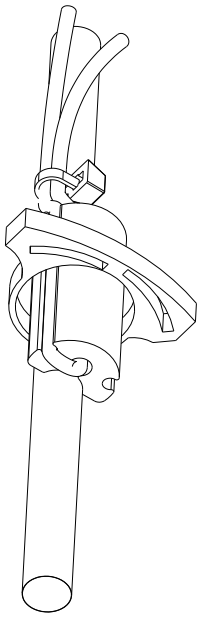
Figure 8. Mounting control board side discharge (HP)



Mount the Liquid Line Temperature Sensor

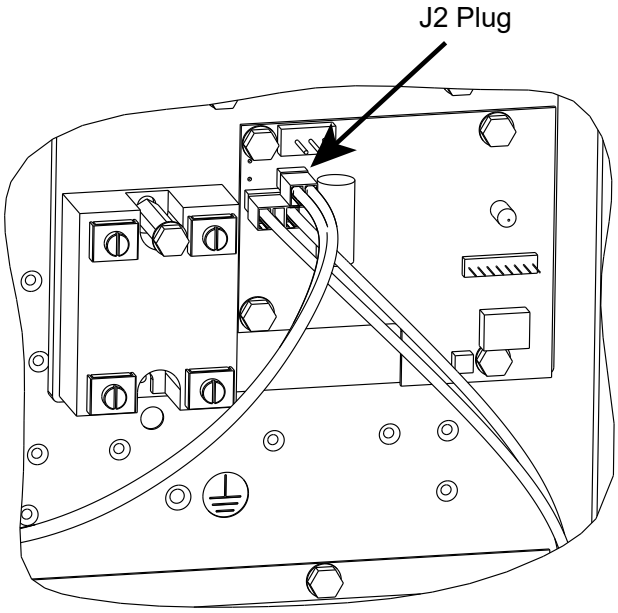
1. For vertical discharge units, remove the service access panel to the left side of the control box of the air conditioner or heat pump.
2. For vertical or side discharge units, attach the yellow liquid line sensor to the liquid line as shown in Figure 9, p. 9.
   a. Attach the yellow liquid line sensor to the liquid line located just inside the cabinet, before the line exits the unit. Apply thermal grease (supplied) to the liquid line, where the sensor will be mounted. Using the clamp provided, attach the sensor. When completed, wrap the complete assembly with the insulation tape.

Figure 9. Apply clamp to sensor and liquid line



3. On vertical discharge units, route the sensor leads through the low voltage access hole. On both vertical and side discharge units, attach to the two (2) pin J2 connectors provided on the control board. See Figure 10, p. 10.

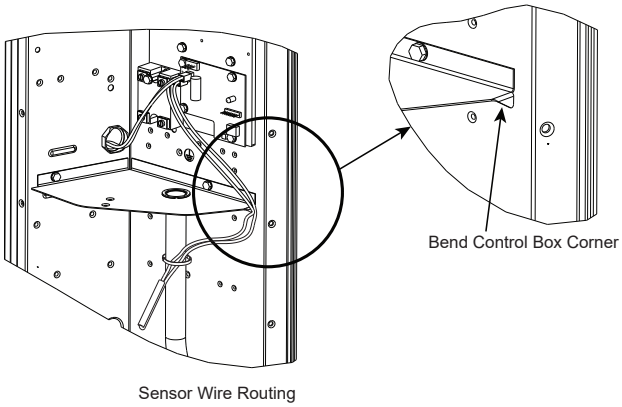
Figure 10. Connecting liquid line sensor



Mount the Outdoor Temperature Sensor – Vertical Discharge Units

1. Using pliers, bend the corner of the control box base downward to create an opening for the sensor leads (see Figure 11, p. 10).

Figure 11. Outdoor temperature sensor



2. Route the outdoor temperature sensor from the control board, down through the opening created in the control box base. Place the wire tie on the sensor wires (not the sensor) and dress so that the temperature sensing area is not in direct contact with any surrounding surfaces and is not in direct sunlight.

Mount the Outdoor Temperature Sensor – Side Discharge Units

1. Route the outdoor temperature sensor from the control board, around the coil return bends and through the opening between the black mesh and service panel.
2. With wire tie provided, secure the sensor to the black mesh so that the entire sensor portion is exposed. Place the wire tie on the sensor wires (not on the sensor) and dress so that the temperature sensing area is not in direct contact with any surrounding surfaces and is not in direct sunlight.

Wiring Control Module

Cooling-Only Air Conditioner Models

See Figure 12, p. 11.

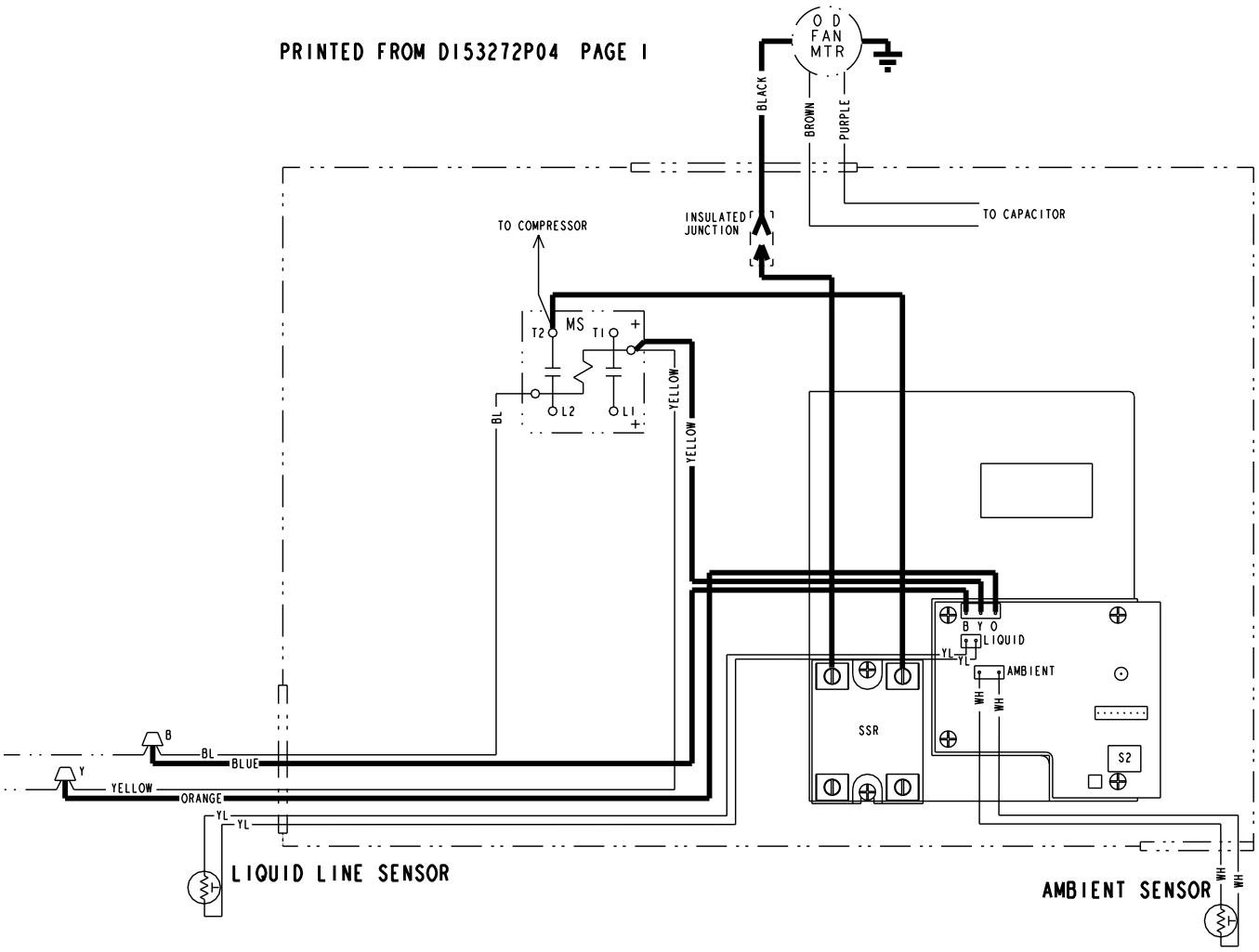
1. Disconnect the black fan motor lead from the contactor (This wire is attached to contactor terminal "T2", with a quick connect terminal). Reconnect this fan motor lead to the black wire from the solid state relay on the control module. This wire has a sleeved, 1/4-in. male tab for attaching to the fan motor wire terminal.
2. Connect the other black wire from the solid state relay to the contactor terminal "T2" (from where the fan motor lead was disconnected).
3. **Low voltage wires:** Connect the 3-pin wire assembly to J5 on the control board (3-pin male connector).

Note: *To ease the insertion of the connector housing onto the J5 header, place the connector on the tips of the three header pins. Angle the connector upward toward the header latch while pushing connector over the header pins.*

4. Connect the yellow lead wire to a 1/4-in. male tab on the right hand side of the main contactor (low voltage contactor coil terminal).
5. Connect the blue lead wire to the wire nut junction of the blue wire.
6. Connect the orange wire to the wire nut junction of the yellow wire.

Note: *New wire nuts are provided.*

Figure 12. Air conditioning (cooling only)



200/230 Volt Heat Pump

See Figure 13, p. 12.

1. Disconnect the black fan motor lead from the defrost boardrelay (The black wire is attached to the "N.C." terminal of the relay).

Important: *Firmly hold relay when removing wire.*

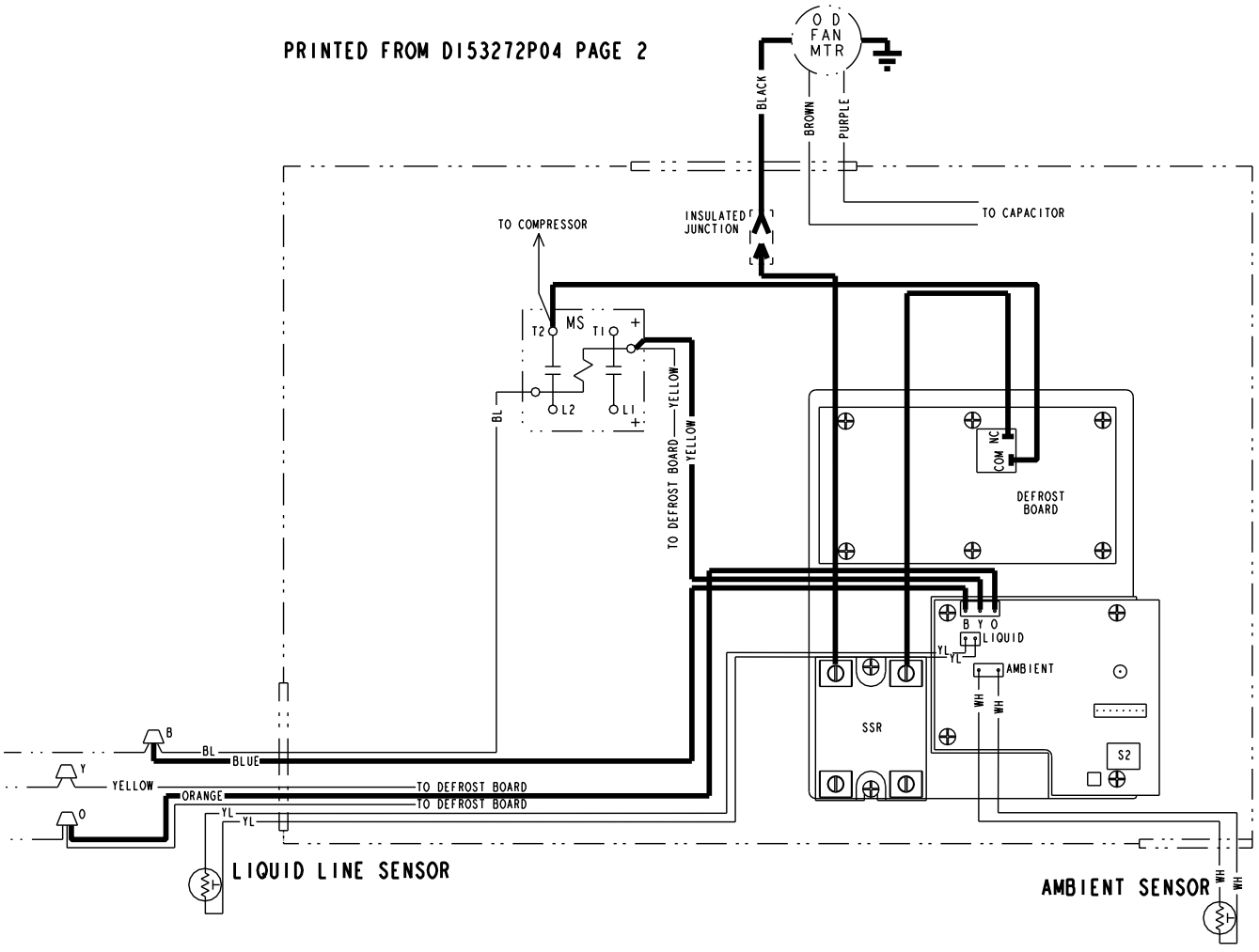
2. Reconnect this fan motor lead to the black wire from the solid state relay on the control module (This wire has a sleeved, 1/4-in. male tab for attaching to the fan motor lead wire terminal).
3. Connect the other black wire from the solid state relay to the "N.C." terminal on the defrost board relay (from where the fan motor was disconnected).
4. **Low voltage wires:** Connect the 3-pin wire assembly to J5 on the control board (3-pin male connector).

Note: *To ease the insertion of the connector housing on to the J5 header, place the connector on the tips of the three header pins. Angle the connector upward toward the header latch while pushing connector over the header pins.*

5. Connect the yellow lead wire to a 1/4-in. male tab on the right hand side of the main contactor (low voltage contactor coil terminal).
6. Connect the blue lead wire to the wire nut junction of the blue wire.
7. Connect the orange lead wire to the wire nut junction of the orange wire.

Note: *New wire nuts are provided.*

Figure 13. Heat pump — 200/230 V



460 Volt Heat Pump

See Figure 14, p. 13.

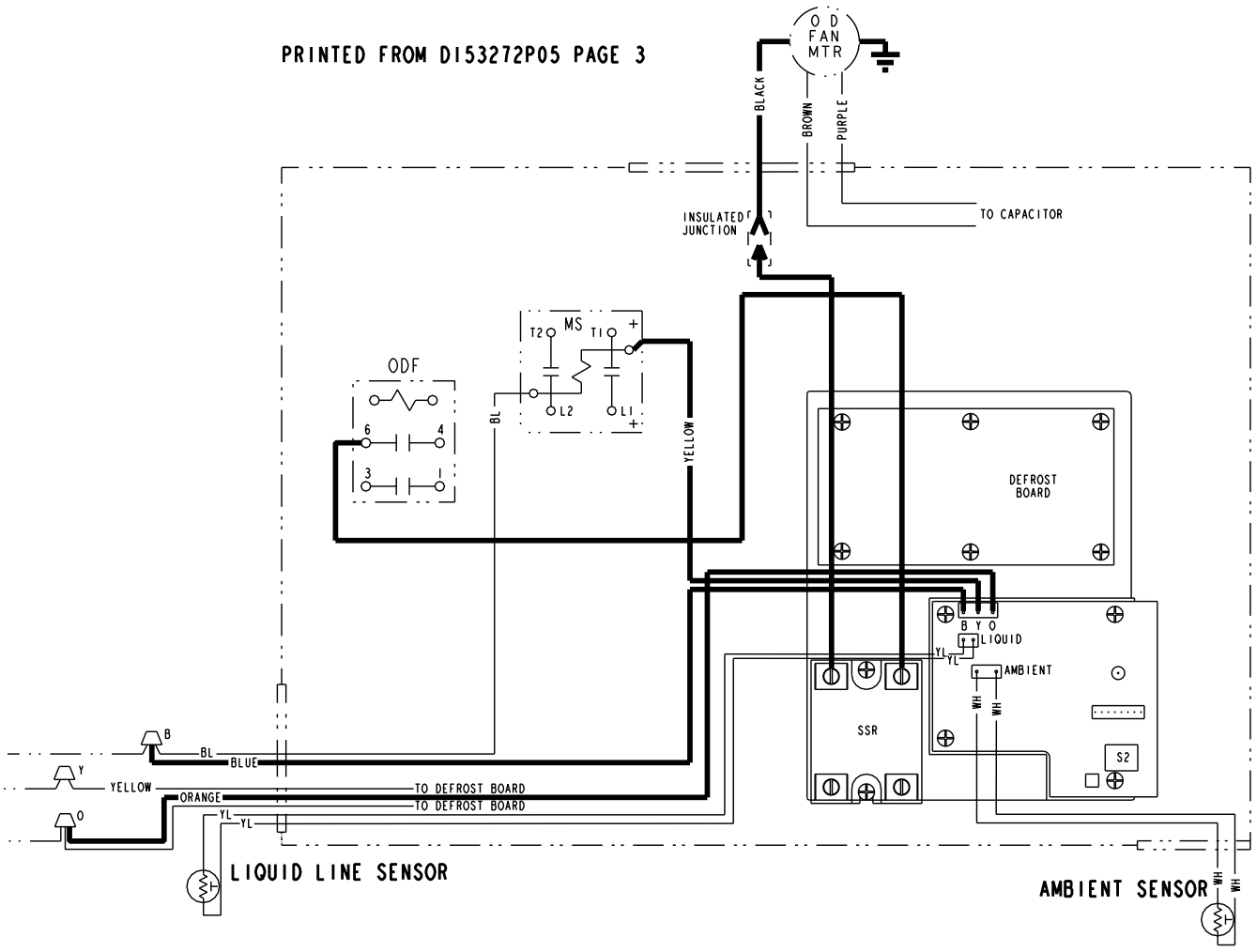
1. Disconnect the black fan motor lead from the fan relay (terminal #6). Reconnect this black motor lead to the black wire from the solid state relay on the control module (this wire has a sleeved, 1/4-in. male tab for attaching to the fan motor lead wire terminal).
2. Connect the other black wire from the solid state relay to terminal #6 of the fan relay (from where the fan motor wire was disconnected).
3. **Low voltage wires:** Connect the 3-pin wire assembly to J5 on the control board (3-pin male connector).

Note: *To ease the insertion of the connector housing onto the J5 header, place the connector on the tips of the three header pins. Angle the connector upward toward the header latch pushing connector over the header pins.*

4. Connect the yellow lead wire to a 1/4–in. male tab on the right hand side of the main contactor (low voltage contactor coil terminal).
5. Connect the blue lead wire to the wire nut junction of the blue wire.
6. Connect the orange lead wire to the wire nut junction of the orange wire.

Note: *New wire nuts are provided.*

Figure 14. Heat pump — 460 V



Key to Wiring Diagrams

Figure 15. Key to wiring diagrams

CA	COOLING ANTICIPATOR	LPCO	LOW PRESSURE CUTOUT SW.
CBS	COIL BOTTOM SENSOR	MS	COMPRESSOR MOTOR CONTACTOR
CF	FAN CAPACITOR	ODA	OUTDOOR ANTICIPATOR
CN	WIRE CONNECTOR	OFT	OUTDOOR FAN THERMOSTAT
CPR	COMPRESSOR	ODS	OUTDOOR TEMPERATURE SENSOR
CR	RUN CAPACITOR	ODT	OUTDOOR THERMOSTAT
CS	STARTING CAPACITOR	RHS	RESISTANCE HEAT SWITCH
CSR	CAPACITOR SWITCHING RELAY	SC	SWITCHOVER VALVE SOLENOID
DFC	DEFROST CONTROL	SM	SYSTEM "ON-OFF" SWITCH
F	INDOOR FAN RELAY	TDL	DISCHARGE LINE THERMOSTAT
HA	HEATING ANTICIPATOR	TNS	TRANSFORMER
HPCO	HIGH PRESSURE CUTOUT SW.	TS	HEATING-COOLING THERMOSTAT
IOL	INTERNAL OVERLOAD PROTECTOR	TSH	HEATING THERMOSTAT

⚠ WARNING	⚠ CAUTION
HAZARDOUS VOLTAGE! DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS BEFORE SERVICING. FAILURE TO DISCONNECT POWER BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH!	USE COPPER CONDUCTORS ONLY! UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS. FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT!

COLOR OF WIRE
BK/BL BLACK WIRE WITH BLUE MARKER
COLOR OF MARKER

BK	BLACK	OR	ORANGE	YL	YELLOW
BL	BLUE	RD	RED	GR	GREEN
BR	BROWN	WH	WHITE	PR	PURPLE

NOTES:

1. IF ODT-B IS NOT USED, ADD JUMPER BETWEEN W2 & W3 AT AIR HANDLER.
   IF USED, ODT-B MUST BE MOUNTED REMOTE OF CONTROL BOX IN AN APPROVED WEATHER PROOF ENCLOSURE.
2. IF ODT-A IS NOT USED, ADD JUMPER BETWEEN W1 & W2 AT AIR HANDLER.
3. LOW VOLTAGE (24 V.) FIELD WIRING MUST BE 18 AWG MIN.

NOTE
THREE PHASE MOTOR (S) FACTORY SUPPLIED IN THIS EQUIPMENT PROTECTED UNDER PRIMARY SINGLE-PHASE CONDITIONS.

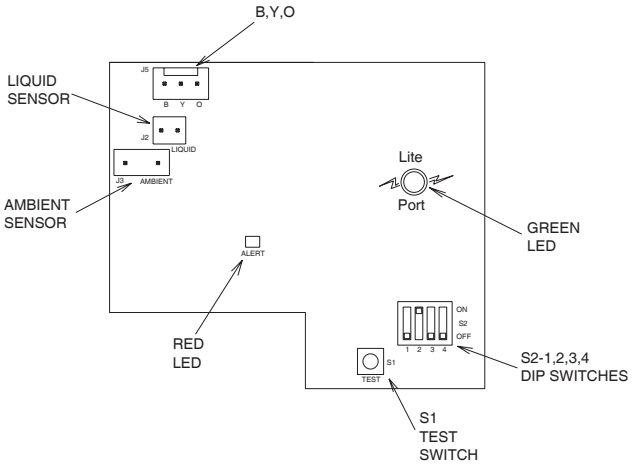
LEGEND-EQUIPMENT DIAGRAM

- 24 V. / LINE V. } FACTORY WIRING
- 24 V. / LINE V. } FIELD WIRING
- FIELD INSTALLED FACTORY WIRING
- GROUND
- JUNCTION
- WIRE NUT OR CONNECTOR
- COIL
- CAPACITOR
- RELAY CONTACT (N.O.)
- RELAY CONTACT (N.C.)
- THERMISTOR
- INTERNAL OVERLOAD PROTECTOR
- PRESSURE ACTUATED SWITCH
- TEMP. ACTUATED SWITCH
- POL. PLUG FEMALE HOUSING (MALE TERM.)
- POL. PLUG MALE HOUSING (FEMALE TERM.)
- RESISTOR OR HEATING ELEMENT
- MOTOR WINDING
- TERMINAL

System Setup

The control board contains a momentary test switch (S1) and a 4-position installer selectable dip switch (S2). Both components are located in the lower right hand corner of the control board. See Figure 16, p. 15.

Figure 16. Control board



Test Switch

The test switch verifies that the fan motor is being controlled by the Low Ambient Controller. A “Y” signal must be present for the test to operate. When the test switch is pressed, the fan cycles on for 3 seconds and off for 3 seconds, repeating for a total of 12 seconds. Fan operation can be observed directly or by monitoring head pressure with a gauge set. The LED on the solid-state relay will illuminate when voltage is applied to the fan motor. After the 12-second test completes, the controller returns to normal operation.

Dip Switches

The controller regulates liquid temperature based on the dip switch configuration. The dip switch serves two functions:

1. Selecting Automatic or Manual Mode (S2, switch 4).
2. Setting the liquid temperature set point (S2, switches 1, 2, and 3).

Automatic Mode (S2 Dip Switch 4 in the "Off" position)

The controller calculates the approach temperature using the liquid and ambient temperature readings, where: **Approach Temperature = Liquid Temperature – Ambient Temperature**.

This value is calculated only when the ambient temperature is between 65°F and 75°F and the outdoor fan is running continuously.

If an approach temperature has not yet been established, the controller uses S2 dip switches 1, 2, and 3 to set the liquid temperature, the same as in Manual Mode.

Once an approach temperature is established, the controller sets the liquid temperature as **Liquid Temperature Set Point = Approach Temperature + 70°F**.

Note: *Automatic Mode should be used for all applications unless an issue arises that requires raising the target head pressure.*

Manual Mode (S2 Dip Switch 4 in the "On" Position)

The controller reads the S2 dip switch 1, 2, and 3 settings to establish the liquid temperature set point when the Y signal is first applied and again after the initial start-up period (no sooner than six minutes after Y is applied). The liquid temperature set point remains fixed during start-up.

Set the dip switches before applying the Y signal. Configure them according to the following instructions for the specific HVAC system.

Determine Liquid Temperature Set Point

Refer to the appropriate high-side charging chart for the unit.

Use liquid pressure for cooling units and head pressure for heat pump units.

Determine the high-side pressure at a 70°F outdoor temperature based on the expected indoor wet-bulb temperature, then adjust this value according to the specific indoor unit. Using the refrigerant properties chart, identify the saturation temperature corresponding to the calculated liquid pressure. Subtract the expected subcooling (typically 12°F) to estimate the liquid temperature. Set the S2 dip switches 1, 2, and 3 to the nearest liquid temperature set point shown in the Table 2, p. 16.

S2 Dip Switch *4;*	Off – Automatic Mode (recommended setting)
	On – Manual Mode

Note: *Manual Mode should be used only when it is necessary to raise head pressure above the level achieved using the factory default dip-switch setting of 70°F.*

Table 2. Liquid temperature set points and corresponding DIP switch settings

Liquid Temp Set Point (°F)	Dip Switch 1	Dip Switch 2	Dip Switch 3
70°F	OFF	OFF	OFF
76°F	OFF	OFF	ON
82°F	OFF	ON	OFF

LED Indicators

The control board contains two LED indicators: one green and one red surface mount. The green LED is a status indicator labeled LitePort on the control board and flashes at a 1/2 second on (plus fast blink at the end for LitePort data) and 1/2 second off rate in the cooling mode. In the heating mode the green LED is full on with a blink/flicker OFF (LitePort data transmission) every second.

The red LED is a small surface mount component located near the end of the large capacitor. The red LED is labeled ALERT on the control board. The red LED indicator is normally off. If the red LED is on or flashing then a fault is indicated according to the following:

- Red LED Flashing 1/10 Second ON – 1/10 Second Off – Liquid Sensor Fault
- Red LED Flashing 1/2 Second ON – 1/2 Second Off – Ambient Sensor Fault
- Red LED continuously ON – I^2C EEPROM Fault board failure which cannot be field repaired

If the cause of a fault is cleared or repaired then the red LED fault indication will clear with the removal and reapplication of 24 Vac power (Y) to the control.

The solid state relay on the control module also contains a green LED indicator. This LED indicates when the solid state relay is energized by the control. If the control is cycling the fan then this LED will be on/off accordingly.

System Charging

If the system must be charged at outdoor temperatures between 55°F and 70°F after installing the Low Ambient Control Kit, the control's outdoor-fan cycling must be disabled during charging and re-enabled afterward.

To disable fan cycling, disconnect the 1/4-inch quick-connect terminals on the two black outdoor-fan power leads coming from the Solid State Relay (SSR). Leave the insulated junction connector on one lead, and insulate the other female quick-connect with electrical tape. Then connect the outdoor-fan motor's black lead (female connector) to the male tab from which the SSR lead was removed. Depending on the unit, this tab may be the MS T2 tab (cooling-only units), the defrost K2 relay NC tab (200/230V heat pumps), or the ODF contactor number 6 tab (460V units). The system can now be charged within the 55–70°F outdoor-temperature range without fan cycling.

Note: *After charging is complete, return all wiring to match the diagrams provided in these instructions. Perform a System Check-Out of the Low Ambient Control to verify proper wiring and correct operation of both the control and the outdoor unit.*

System Check-Out

Cooling Units Only

1. Verify that the control module is installed and wired per the instructions contained within this guide (J5-Blue connected to "B", J5-Yellow connected to "Y", J5-Orange connected to "Y", Liquid sensor installed and connected, ambient sensor installed and connected).
2. If uncertain about S2 dip switch 1, 2, 3, 4 settings, leave in the factory preset position.
3. Apply power to the unit. Apply "Y" control signal.
4. Verify the green LED is flashing at 1/2 second ON 1/2 second OFF rate.
5. Verify no red LED faults are present.

The fan should run continuously for at least 10 seconds after the Y signal is applied. After this 10-second period, the control may begin cycling the fan if the outdoor temperature is below 70°F. Fan cycling under these conditions indicates proper control operation.

If the fan remains on continuously after 10 seconds, use the TEST switch (S1) to confirm that the Control Module can operate the fan. Momentarily press the TEST switch; the fan should cycle on for 3 seconds and off for 3 seconds for a total of 12 seconds.

Note: *If the green LED on the control board is full on with a blink/flicker OFF every second make certain the orange wire from the control board is connected to "Y" per these instructions.*

Heat Pump Units

1. Verify that the kit is installed and wired per the instructions contained within this guide (J5-Blue connected to "B", J5-Yellow connected to "Y", J5-Orange connected to "O", Liquid sensor installed and connected, Ambient sensor installed and connected).

   If uncertain about dip switch settings (S2-1, 2, 3, 4), leave in the factory preset position.
2. Apply power to the unit. Apply "Y" and "O" control signal.
3. Verify the green LED is flashing at 1/2 second ON 1/2 second OFF rate.
4. Verify no red LED faults are present.

The fan should run continuously for at least 10 seconds after both the Y and O signals are applied. After this 10-second period, the control may begin cycling the fan if the outdoor temperature is 70°F or below. Fan cycling under these conditions indicates proper control operation.

If the fan remains on continuously after 10 seconds, use the TEST switch (S1) to confirm that the Control Module can operate the fan. Momentarily press the TEST switch on the control board; the fan should then cycle on for 3 seconds and off for 3 seconds for a total of 12 seconds.

Note: *If the green LED is full on with a blink/flicker OFF every second make certain the orange wire from the control board is connected to "O" per these instructions and the "O" signal is present.*

The control board will leave the fan ON continuously during heating mode, i.e., No "O" signal present. The green LED is full on with a blink/flicker off every second in the heating mode.

Notes

About Trane and American Standard Heating and Air Conditioning

Trane and American Standard create comfortable, energy efficient indoor environments for residential applications. For more information, please visit www.trane.com or www.americanstandardair.com.

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