

## 1 Warnings, Cautions, and Notices

Read this manual thoroughly before operating or servicing this unit. 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.

## 2

**⚠ 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 Labeling 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.**

## 3

**⚠ 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**  
**Capacitors Must be Allowed to Discharge!**  
Failure to follow instructions below could result in death or serious injury. Each time power is removed, allow at least 20 minutes for DC units to discharge after power is disconnected before servicing. Use extreme caution when applying power. Equipment terminals and other internal parts of the controller are at line voltage when ac power is connected to the controller. All ungrounded conductors of the ac power line must be disconnected from the controller before it is safe to touch any internal parts of this equipment.

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**General Information**  
*Important: Start-up instructions are provided as a convenience. See the operation manual or contact Trane Rental Services with questions.*

**⚠ 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.

**4**  
1. Locate condensate trap inside the unit return air cabinet and install.

Figure 1. P-trap



2. Open and secure supply plenums and return duct doors. Connect supply and return flex duct (if needed) at their respective plenums.

Figure 2. Duct connectors



**5**  
3. If needed, connect remote sensor (in return air cabinet) to quick connect and adjust.

**Note:** Remote sensor is required for proper control when introducing outdoor air through the return connections.

Figure 3. Remote sensor



4. Wire incoming electrical power cable into cam-type pin connectors on the side of the unit.

Figure 4. Cam connectors



5. Turn **ON** power at job site breaker or disconnect (not shown).

**6**  
6. Turn **ON** the disconnect switch.

**Note:** Allow the automatic compressor crankcase heaters to run for at least 4 hours before attempting to operate the unit in cooling mode.

Figure 5. Unit disconnect



7. On the rental control panel door above the power connectors, confirm green **Power On** indicator is lit and red **Push-to-Test Phase Failure** indicator is off. Correct phasing if needed.

Figure 6. Indicators



**7**  
8. Inside the rental control panel door, adjust Sensor Selector Switch. Refer to Step 3.

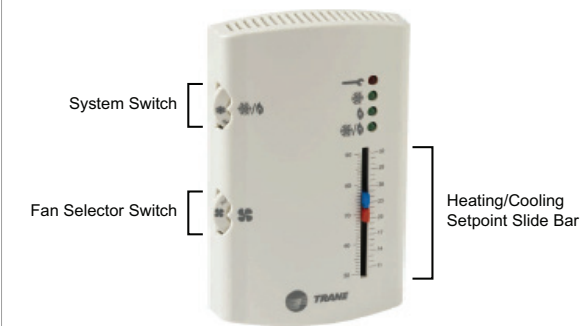
9. Turn thermostat system switch to cooling, heating or cooling/heating (auto changeover) as needed.

10. Turn **ON** the fan selector switch.

**Note:** Use **AUTO** only when the remote sensor is in use.

11. Use slider bar to set heating/cooling set points.

Figure 7. Sensor switch



12. If needed, turn the Dehumidification Reheat Switch to **Enable** and adjust target relative humidity setpoint.

**Note:** Unit controls will prioritize sensible heating/cooling loads before engaging in dehumidification.

13. If needed, adjust the Minimum Supply Fan Speed potentiometer from 0 to 100 percent.

**Note:** Fan speed will increase based on operating capacity.

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14. If needed, disable outdoor damper by turning the Economizer Enable switch to **Disable**. If leaving Economizer enabled, adjust outdoor damper minimum position as needed using Economizer Minimum Position potentiometer.

Figure 8. Control panel



15. To turn machine off, turn system selector switch **OFF**. Allow heating/cooling to cycle off and turn unit disconnect switch **OFF**.

Contact Trane Rental Services for more information or technical support.

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