



## Installation Instructions

# Portable Operator Display For Tracer® MP580/581 and AH540/541 Order Number: 4950 0491

The portable operator display is used for temporary connection to and operation of Tracer MP580/581 and AH540/541 controllers. With the portable operator display, you can monitor data, change setpoints, monitor alarms, and override points.

The portable operator display includes a 10 ft (3 m) cable with connector that is stored in the storage compartment of the carrying bag. The cable cannot be disconnected from the operator display.

**Important:** *The portable operator display is not used for time clock scheduling. To provide scheduling, you must use a permanently connected door-mounted operator display, stand-alone operator display, or Tracer Summit system.*

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### **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.

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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

### **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-including industry replacements for CFCs such as HCFCs and HFCs.

## 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 electrical codes.

### **WARNING**

#### **Personal Protective Equipment Required!**

Installing/servicing this unit could result in exposure to electrical, mechanical and chemical hazards. Before installing/servicing this unit, technicians MUST put on all Personal Protective Equipment (PPE) recommended for the work being undertaken. ALWAYS refer to appropriate SDS sheets and OSHA guidelines for proper PPE. When working with or around hazardous chemicals, ALWAYS refer to the appropriate SDS sheets and OSHA guidelines for information on allowable personal exposure levels, proper respiratory protection and handling recommendations. If there is a risk of arc or flash, technicians MUST put on all necessary Personal Protective Equipment (PPE) in accordance with NFPA70E for arc/flash protection PRIOR to servicing the unit. Failure to follow recommendations could result in death or serious injury.

## Storing Operator Display in Case

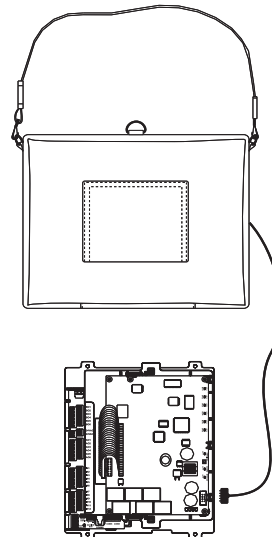
The operator display should always be stored in the padded carrying bag. Close the protective display cover when the operator display is not in use.

1. Feed the operator display cable in through the main compartment of the carrying case, then through the hole in the back of the carrying case into the storage compartment.
2. Store the operator display in the carrying case.

3

## Connecting the Operator Display

1. Open the controller enclosure door.
2. Attach the operator display cable to the operator display connector on the controller circuit board. The illustration below shows the connector on the Tracer MP581 circuit board. The operator display receives power from the controller and turns on automatically when it is connected to the controller.



## Calibrating and Adjusting the Operator Display

### Calibrating

1. On the Home screen, press the **Setup** button.
2. Press the **Page Down** button to view the next screen.
3. Press the **Calibrate Touch Screen** button.
4. Touch the **Target** using a small, pliable, blunt object, such as a pencil eraser. Hold until the beeping stops. A second calibration screen appears.

**Important:** Do not use sharp objects on the operator screen.

5. Again, touch the target with the object. Hold until the beeping stops. The touch screen is now calibrated.
6. Press the **Home** button.

To clean the operator display, use a soft cloth and glass cleaner. Spraying water or other type cleaners directly onto the screen could cause damage.

### Adjusting Brightness/Contrast

1. On the Home screen, press the **Setup** button.
2. Press the **Page Down** button to view the next screen.
3. Press the **Adjust Brightness and Contrast** button.
4. To increase the brightness, press the buttons along the top row (in sequence) from left to right. To decrease the brightness, press the buttons from right to left.

**Note:** Contrast adjustment is not available on all computer display models.

5. To increase the contrast, press the buttons along the bottom row (in sequence) from left to right. To decrease the contrast, press the buttons from right to left.
6. Press the **Home** button.

## Agency Listings and Compliance

The European Union (EU) Declaration of Conformity is available from your local Trane® office.

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