Installation Instructions

Tracer™ TD7 Display
for the Tracer™ UC600 Programmable Controller
Order Number: X13651571010

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.

Packaged Contents
- One (1) Tracer TD7 display with permanently attached 3.3 ft (1 m.) power cable with male connector (PN: X13760335-01)
- Four (4) M-4 screws
- Four (4) spacer washers
- Two (2) 2-pin terminal blocks (one spare)
- One (1) 7 ft. (2.24 m.) category 5E Ethernet cable for indoor use
- One (1) 3.3 ft. (1 m.) power cable with female connector (PN: X19051625020)

Environmental Ratings Compliance
- UL 916PAZX: Open Energy Management Equipment
- UL954-5V: Flammability
- FCC CFR Title 47, Part 15.109: Class A Limit, (30 MHz—4 GHz)
- Environment Rating (enclosure): IP56 (dust and strong water protected) with use of an optional 3.7 m. Sealed Ethernet Cable (PN: X19070632020)
- 24 Vac +/- 15%, 50 or 60 Hz: 0.90 A maximum
- Operating Temperature Range: -40° to 158°F (-40° to 70°C)
- Humidity: Between 5% to 100% (Condensing)
- Mounting type: VESA (75mm x 75mm)
- Mounting weight: 1.625 lb (0.737 kg)

Installing the TD7 Display in a Trane Large Enclosure

Note: The order number for the Trane Large enclosure (display-capable door) is X13651553-01. The enclosure door must be installed on the large enclosure prior to installing the TD7 display.

For steps 1 through 6, refer to figure 1.

1. Disconnect power at the circuit breaker and perform lockout/tagout procedures.
2. Open the enclosure door and disconnect the 24 VAC power from the UC600.
3. Holding the display, insert the power cable (attached to the TD7) through the display opening on the front of the enclosure door.
4. Slightly tilt the TD7 display while inserting it into the door. When fully and properly positioned, the TD7 display will lay flush against the enclosure door.
5. While holding the TD7 display, insert and hand-tighten the four M-4 screws onto the brackets.

WARNING
Hazardous Voltage!
Disconnect all electrical power, including remote disconnects, before servicing. Follow proper lockout/tagout procedures to ensure the power cannot be inadvertently energized. Failure to disconnect power before service could result in death or serious injury.

Figure 1. Installing the TD7 display in an enclosure
For steps 7 through 13, refer to figures 2 and 3.

7. Snip off the blue and gray wires from the power cable with female connector (PN: X19051625020) so only the red and black wires remain.
8. Place one of the supplied terminal blocks onto an available 24 VAC terminal connection on the UC600.
9. Insert the red wire through the 24 VAC connection, and the black wire through the ground connection on the terminal block that was installed on the UC600. Tighten the terminal block screws with a 1/8 in. (3 mm) slotted screw driver.
10. Connect the ends of both power cables together.
11. Reconnect the 24 VAC power to the UC600, remove lockout/tagout, and apply power to the circuit.

Figure 2. Installing power wiring

Figure 3. Connecting to the UC600

Installing the TD7 Display onto a VESA Mounting Bracket

Required VESA mounting bracket size is 75 mm x 75 mm. Brand, tilt, swivel, and any other features are acceptable. The TD7 display can be remotely mounted up to 328 ft (100 m).

1. Disconnect power at the circuit breaker and perform lockout/tagout procedures.
2. Disconnect the 24 VAC power from the UC600.
3. Mount the VESA mounting bracket according to manufacturer’s instructions.
4. Position the TD7 display onto the VESA mounting bracket and align the four mounting holes with the bracket while inserting and tightening the four M-4 screws. (Some brands of VESA mounting brackets may require the use of the four spacer washers to allow the M-4 screws to tighten properly.)
5. Securely tighten the M-4 screws using a Phillips screwdriver.
6. Follow steps 7 through 13 of “Installing the TD7 Display in a Trane Large Enclosure” to complete this process.

Figure 4. Example VESA mounting