



# TD-7 Display

## Programmable Controller Display

### Data Sheet



#### **⚠ 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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## Revision History

Removed Tracer UC600 information from the document.



## Introduction

The TD-7 Display features a touch-sensitive color screen that provides for ease of viewing and interacting with controller data. Building operators can easily monitor space temperature and relative humidity, change setpoints, and enter point overrides with time-limits with a just a few touches of the screen.

The TD-7 Display communicates with Trane programmable controllers with an onboard ethernet port. For Trane programmable controllers without an onboard ethernet port, separate hardware will be required. This document pertains to field-programmable controllers. For factory controllers, refer to the equipment Installation, Operation, and Maintenance manual (IOM).

## Features and Benefits

Table 1. Features and benefits

Feature	Benefit
7-inch WVGA touch-sensitive color screen	Allows for easy navigation for viewing data and making operational changes.
Display preferences	Choose how to view dates, times, units (SI, IP), screen brightness, data format, and backlight timeout.
Scheduling—supports up to 3 weekly schedules	Easy to setup and access (3 schedule types supported: Analog, Binary, Multistate). <b>Note:</b> The controller must include a real time clock to support scheduling.
Custom data graphs	Create and view graphically formatted data logs. Up to 8 custom data graphs can be created with a maximum of 4 data logs per graph.
Custom graphics	TD-7 supports up to 10 graphics. Perform overrides, link to alarms, reports, or other graphics directly from a graphic.
Icon-labeled alarm categories	Easily and quickly identify alarm severities with distinctive, colorful icons.
Three Customizable Reports	Select up to 36 pieces of data per report (maximum of 3 custom reports).
Built-in All Points Report	View all points that have been configured in a single report.
Point overrides with timeout feature	Setup point overrides to expire at designated times.
Optional user security	Setup security for overriding/releasing points, release all overrides, custom report editing, Date and Time edit
Multiple mounting options	Can be mounted to meet customer preferences and needs. See <a href="#">"Mounting Options," p. 4</a> . Can also be remotely mounted up to 100 meters.
Language options	25 built-in languages are supported and selectable for all TD-7 screens.

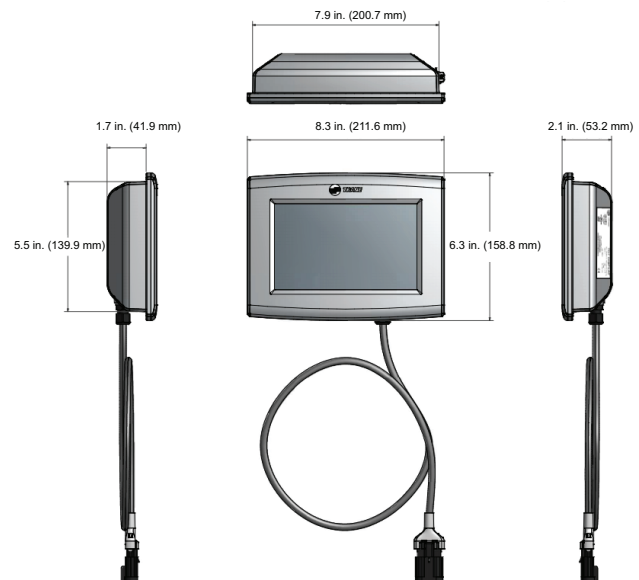
## Specifications and Agency Compliance

Table 2. Specifications and agency compliance

Specification	
Input power	24 Vac +/- 15%, 21 VA, 50, or 60 Hz
Storage temperature	-67°F to 203°F (-55°C to 95°C) Humidity: Between 5% to 100% (Condensing)
Operating temperature	Temperature: -40°F to 158°F (-40°C to 70°C) Humidity: Between 5% to 100% (Condensing)
Mounting weight	Mounting surface must support 1.625 lb (0.737 kg) <i>f</i> <sub>n</sub>
Mounting Type	VESA (75 mm x 75 mm) Mounting bracket available separately, see <a href="#">"Mounting Options," p. 4</a>
Environmental rating (enclosure)	IP56 (dust and strong water jet protected) with optional sealed Ethernet cable (PN: X19070632020)
Agency Compliance	
<ul style="list-style-type: none"><li>UL916 PAZX, Open Energy Management Equipment</li><li>UL94-5V, Flammability</li><li>FCC CFR Title 47, Part 15.109: Class A Limit, (30 MHz–4 GHz)</li><li>CE EMC Directive 2004/108/EC</li></ul>	

## Dimensions

Figure 1. Dimensions



## Supported Languages

Table 3. Supported languages

English (United States)	Greek
German	Czech

**Table 3. Supported languages (continued)**

Dutch	Romanian
Italian	Russian
Spanish (Spain)	Arabic (Gulf Regions)
Spanish (Mexico)	Hebrew
Portuguese (Portugal)	Thai
Portuguese (Brazil)	Chinese Simplified (China)
Swedish	Chinese Simplified (Taiwan)
Norwegian	Japanese
French	Korean
Polish	Indonesian
Hungarian	—

## Mounting Options

The TD-7 Display can be mounted using either of the following:

- Large Enclosure with display-capable door 120 Vac (order number: X13651553-01)
- Large Enclosure with display-capable door 230 Vac (order number: X13651555-01)
- TD-7 Display Low Profile Mounting Bracket VESA 75 mm (order number: X05010511010)

- Any user-supplied VESA 75 mm mounting bracket

## Display Compatibility

The TD7 display is compatible with the following controllers.

**Table 4. TD7 display compatibility**

Controller	Compatibility
UC600	Using the onboard Ethernet port
Symbio 400B	Using the Ethernet port from Symbio® Communication Module (CM2) connected to Symbio 400B*
Symbio 500	Using the onboard Ethernet port (Port 1 or 2) <sup>(a)</sup> <b>or</b> Using the Ethernet port from Symbio® Communication Module (CM2) connected to Symbio 500*
Symbio 800	Using the onboard Ethernet port (Port 2 only)

<sup>(a)</sup> Requires additional configuration

## Agency Listing and Compliance

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





## Notes

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