



Installation Instructions

Trane® Wi-Fi Module

The Trane Wi-Fi module kit (equipped with a USB cable) enables communication among devices on a Wi-Fi network. The module can be used one of two ways:

Host mode — Tracer® SC+ serves as the local wireless network for other Wi-Fi devices. Use this mode:

- On a site where an IT department or a wireless network is unavailable.
- To connect to the Tracer® Concierge™ Display.

Client mode — Tracer® SC+ connects to an existing wireless network (typically managed by the customer.) Requires the same permissions as any other Wi-Fi device to access the network..

Order Numbers: Used With:
 X13651703001 (Wi-Fi Field Install Kit 1 m cable 50 C)
 X13651705001 (Wi-Fi Field Install Kit 2 m cable 70 C)

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 MSDS sheets and OSHA guidelines for proper PPE. When working with or around hazardous chemicals, ALWAYS refer to the appropriate MSDS 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.

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.

3

Packaged Contents

- One (1) Trane Wi-Fi module
- One (1) USB cable
- One (1) installation sheet

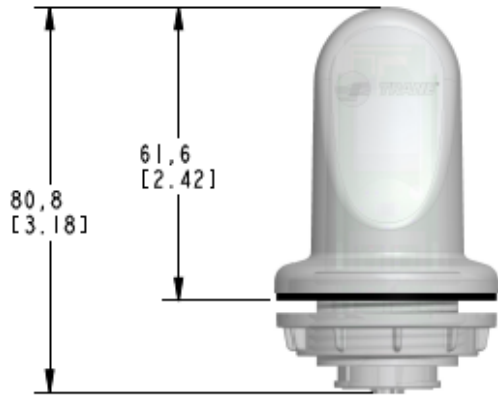
Specifications

Table 1. Wi-Fi Module Specifications

Storage Environment	
Temperature:	-67°F to +185°F (-55°C to +85°C)
Operation Environment	
Temperature: X13651703001	-40°F to +122°F (-40°C to +50°C)
Temperature: X13651705001	-40°F to +158°F (-40°C to +70°C)
Humidity	5% to 100% RH (condensing)
Ingress Protection	IP56
Power	5V @ 250mA from the USB Host port
Mounting:	1 in. knockout
Product weight:	0.2kg (0.4lb)
Installation:	Category 3
Communication	
Range:	100m open field: 300ft/100m IEEE 802.11b/g/n
Frequency:	2.4GHz

4

Dimensions



5

Installing the Wi-Fi Module

Note: The Wi-Fi module fits through a 1-inch conduit knockout.

1. Depending on your site installation, remove conduit nut and insert the Wi-Fi module into a 1 inch knockout or conduit. Fasten conduit nut and tighten.
2. Connect the USB cable to the Wi-Fi module by lining up the connector, then pressing together and twisting the locking bushing a quarter turn to the right.
3. Connect the other end of the USB cable to a USB port on the controller.

Figure 1. Wi-Fi module kit components



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6

FCC Compliance

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interferences that may cause undesired operation.

Agency Listings and Compliance

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

Trane - by Trane Technologies (NYSE: TT), a global climate innovator - creates comfortable, energy efficient indoor environments for commercial and residential applications. For more information, please visit trane.com or tranetechnologies.com.

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