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TRANE BAS-SVN213B USB Cellular Module

TRANE BAS-SVN213B USB Cellular Module Installation Guide

Contents

TRANE®

TRANE BAS-SVN213B USB Cellular Module

Specifications

Storage Environment Temperature	Not specified
Operation Environment Temperature	Not specified
Humidity	Not specified
Ingress Protection	Not specified
Power	Not specified
Mounting	Wall bracket with mounting hardware included
Product Weight	Not specified
Installation Purpose of Control	Not specified
Construction of Control	Not specified
Pollution Degree	Not specified
Impulse Voltage	Not specified

Warnings and Safety Precautions
Before operating or servicing the unit, read the manual thoroughly. Safety advisories are provided throughout the manual to ensure personal safety and proper machine operation.

Installation

1. Only qualified personnel should install and service the equipment.
2. Improper installation by unqualified individuals can lead to] serious injury or death.
3. Observe all precautions mentioned in the literature and on] equipment tags, stickers, and labels.

Field Wiring and Grounding
All field wiring must be performed by qualified personnel to avoid fire and electrocution hazards. Follow NEC and local electrical codes for proper installation and grounding.

Personal Protective Equipment (PPE)
Technicians must wear proper PPE to protect themselves from electrical, mechanical, and chemical hazards. Follow instructions provided in the manual and on equipment labels.

EHS Policies
Adherence to EHS policies is crucial to prevent accident leading to serious injury or death. Follow all instructions] provided.

Frequently Asked Questions (FAQ)
Q: Can unqualified individuals install the equipment?
A: No, only qualified personnel should install and service the equipment to prevent hazards.

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.

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.

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.

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.

Revision History
Power specifications updated.

The Trane USB Cellular Module (equipped with a USB cable) enables Tracer® communication with Trane Intelligent Services. The modem will support Intelligent Services data collection and remote access.
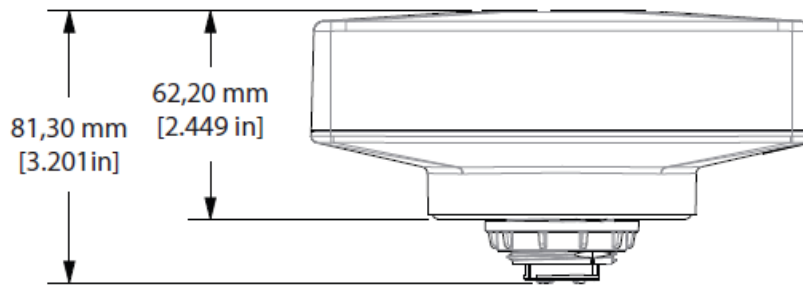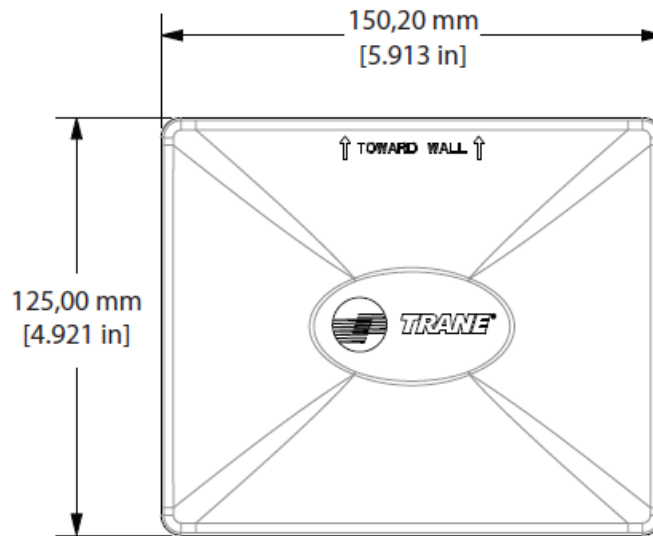
Packaged Contents

- One (1) Trane Cellular Module
- One (1) USB cable
- One (1) installation sheet
- One (1) wall bracket with mounting hardware (optional)

Specifications

Table 1. USB Cellular Module specifications

Storage Environment	
Temperature	-67°F to +185°F (-55°C to +85°C)
Operation Environment	
Temperature	-40°F to +158°F (-40°C to +70°C)
Humidity	5% to 100% RH (condensing)
Ingress Protection	IP56
Power	5V @ 500mA from the USB Host port
Mounting	1 in. knockout
Product Weight	0.2kg (0.4lb)
Installation	Category 3
Purpose of Control	Operating control
Construction of Control	Independently mounted control
Pollution Degree	2
Impulse Voltage	330 V

Dimensions

150,20 mm
[5.913 in]

⇧ TOWARD WALL ⇧

125,00 mm
[4.921 in]

TRANE
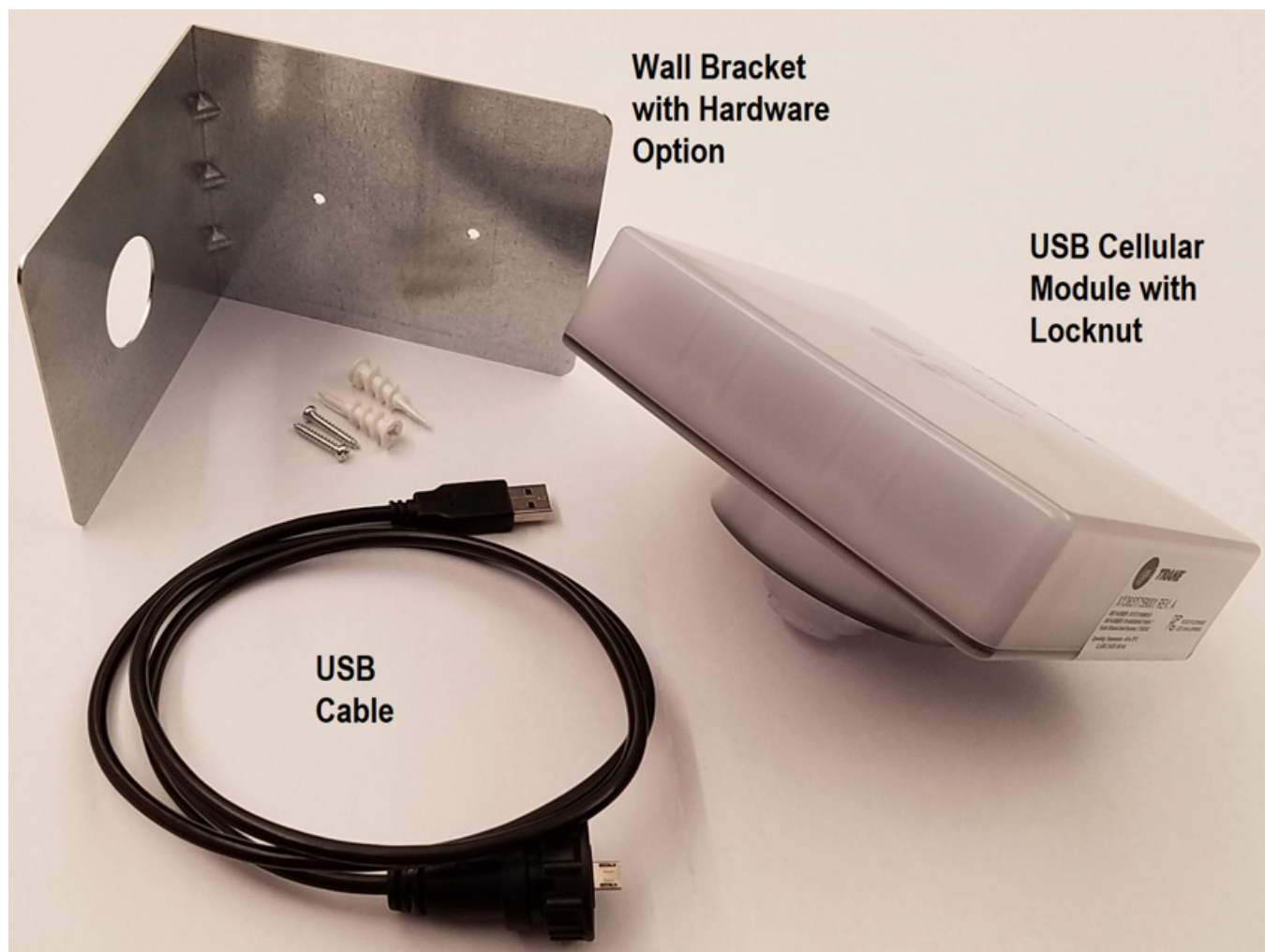
62,20 mm
[2.449 in]

81,30 mm
[3.201 in]

Installing the USB Cellular Module

Note: The USB Cellular Module fits through a 1-inch conduit opening.

1. Depending on your site installation, insert the USB Cellular Module into a
   1- inch knockout or conduit.
2. Mount with arrow on top of the module pointing towards the wall.
3. Tighten the nut prior to connecting the USB cable.
   - General applications: Tighten as needed to achieve 15 to
     25%compression of the gasket. Acceptable compressed gasket thickness: 1.19 to 1.35 mm (0.047 to
     0.053 inch).
   - Moisture-resistant applications: Use of a torque wrench is required
     (X14088509001 wrench or similar). Required torque: 2.6 +/- 0.2 N-m (23.2 +/- 2.0 in-lbf). Remember to
     take into consideration the extended lever arm length of the X14088509001 wrench when determining the
     torque measured by the torque wrench.
     Note: For all applications, do not exceed specific torque.
4. Connect the USB cable to the USB Cellular Module by lining up the connector, then pressing together and
   twisting the locking bushing a quarter turn to the right.
5. Connect the other end of the USB cable to a USB port on the controller.

Figure 1. USB Cellular Module kit components

Agency Listings and Compliance

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.

United States Compliance
UL Listed – UL 60730-1

Canadian Compliance
CUL Listed – CAN/CSA -E60730-1

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**.Trane and American Standard create
Trane and American Standard have a policy of continuous product and product data improvement and reserves the right to change design and specifications without notice. We are committed to using environmentally conscious

print practices.

BAS-SVN213B-EN 01 May 2024 Supersedes BAS-SVN213A-EN (Oct 2020)

Documents / Resources

TRANE BAS-SVN213B USB Cellular Module [pdf] Installation Guide
BAS-SVN213B, BAS-SVN213B USB Cellular Module, USB Cellular Module, Cellular Module, Module

References

- **Trane Heating & Air Conditioning**
- **User Manual**