



Product Data

# Tracer® Communications Bridge

Comm3/4 to Tracer® SC+

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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TRANE  
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## Trademarks

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## Introduction

Tracer® Communications Bridges integrate previous generation control products into current Tracer systems for monitoring and control purposes. The Tracer Communications Bridge - Comm3/4 to Tracer SC+ (Comm3/4 Bridge) integrates previous generation Comm3 and Comm4 devices into current Tracer SC+ systems. The Bridge enables Comm3/4 devices to be installed into the Tracer SC+ as standard equipment, similar to current generation devices. When the Comm3/4 Bridge is used in conjunction with Tracer SC+, data from Comm3/4 devices is made available to Tracer SC+ through the BACnet/IP network.

The Comm3/4 Bridge supports integration of the following Trane Tracer Comm3 and Comm4 communicating equipment and field-installed controllers:

Equipment/Controller	Communication Protocol
IntelliPak	Non-isolated Comm4
Voyager	Isolated Comm3, Non-isolated Comm4
VAV I	Isolated Comm3
VAV II/III/IV	Non-isolated Comm4
Commercial Self-Contained (CSC)	Isolated Comm3
TCM	Isolated Comm3
PCM	Isolated Comm3
UPCM	Non-isolated Comm4
TUC	Non-isolated Comm4
Series R (RTA/RTW)	Isolated Comm3
Scroll (CGA/CGW)	Isolated Comm3
Centrifugal (UCP2)	Non-Isolated Comm4
Helical Rotary (UCP2)	Non-Isolated Comm4

The Tracer Communications Bridge is shipped with the following accessories:

- Transformer (one of the following as appropriate for version)
  - 75 VA 120 PRI, 24 V SEC
  - 75 VA 208/230V PRI, 24 V SEC
- Installation Instructions

**Note:** *Inspect the package contents for damaged/missing components. If damaged, notify the carrier at once and return the damaged components for repair or replacement.*

## Features and Benefits

Features	Benefits
Integration with Tracer SC+	The Com3/4 Bridge enables Comm3 and Comm4 devices to be integrated into Tracer SC+ systems, similar to current generation devices. Take advantage of the latest features and capabilities of Tracer SC+, without needing to replace the existing Comm3 and Comm4 devices. (For more information see the <i>Tracer® SC+ System Controller with the Tracer® Synchrony User Interface - Product Catalog (BAS-PRC087*-EN)</i> ).
Integration with BACnet/IP systems	In conjunction with Tracer SC+, the Comm3/4 Bridge enables Comm3 and Comm4 devices to integrate with 3rd-party BACnet/IP systems.
Configuration with existing Tracer Summit software	Configure the Comm3/4 Bridge with existing Tracer Summit software after performing a service pack upgrade.
Auto-installation as equipment in Tracer SC+	The Comm3/4 Bridge enables Tracer SC+ to recognize and auto-install the Comm3 and Comm4 devices as devices controlling equipment. This engineered interface makes legacy Tracer controllers easy to install and find in the Tracer SC+ system, much like current generation Tracer control products.
Equipment graphics	When using the Comm3/4 Bridge, Tracer SC+ displays standard equipment graphics in the user interface for the Comm3 and Comm4 devices. No additional setup is required to enable these graphics for each device.
Alarming	When using the Comm3/4 Bridge, Tracer SC+ is the central point of control and coordination for alarm messaging from Comm3 and Comm4 devices. This single point of control provides a consistent user interface and experience within the system.
Tracer Application Support	The Comm3/4 Bridge enables the use of Comm3 and Comm4 devices in standard Tracer Applications, consistent with and alongside the new Tracer control products.
Analytics	The Comm3/4 Bridge enables connectivity with Trane Intelligent Services (TIS), which brings the benefits of TIS to buildings with Comm3 and Comm4 devices. For more information see the Trane Intelligent Services (TIS) Fact Sheet.

## Ordering Numbers

Part Number	Product
BMSB001AAA020	Tracer SC+, BMTB Bridge, Enclosure (120 Vac)
BMSB001AAA021	Tracer SC+, BMTB Bridge, 1YR SMP, Enclosure (120 Vac)
BMSB001AAA022	Tracer SC+, BMTB Bridge, 3YR SMP, Enclosure (120 Vac)
BMSB001AAA023	Tracer SC+, BMTB Bridge, 5YR SMP, Enclosure (120 Vac)
BMTB001AAA000	BMTB, Enclosure (120 Vac)
BMTB001BAA000	BMTB, Enclosure (230 Vac)
X13651612010	BMTW AND BMTS To BMTB Retrofit Kit
X13651613010	BMTB Frame Mount
X13651614010	Tracer 100 To BMTB Retrofit Kit

# Specification

<b>Power requirements</b>	
Nominal rating:	120/240 Vac; 50 or 60 Hz; 1 pH
Voltage utilization range:	120 Vac, nominal: From 98 to 132 Vac 240 Vac, nominal: From 196 to 264 Vac
Maximum current:	6.0 A at 120 Vac dedicated circuit breaker
<b>Operating environment</b>	
Temperature:	From 32°F to 120°F (0°C to 50°C)
Relative humidity:	From 10% to 90%, non-condensing
<b>Storage environment</b>	
Temperature:	From -50°F to 150°F (-46°C to 66°C)
Relative humidity:	From 10% to 90%, non-condensing
<b>UL Listing</b>	
UL 916 PAZX	Energy management
CUL C22.2	Energy management - Canada
<b>FCC</b>	
	FCC part 15, Class A
<b>CE</b>	
Emissions	EN55022 Class B
Immunity	EN50082-2:1995 Industrial
Safety	EN61010-1 A2:1995
Processor	Freescale MCF5272VF66
<b>Memory</b>	
FLASH	2 MB
EEPROM	256 KB
RAM	1 MB
<b>Battery</b>	
	No battery is required. The clock is maintained for a minimum of three days by the super capacitor. All other programs are backed up by nonvolatile memory.

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