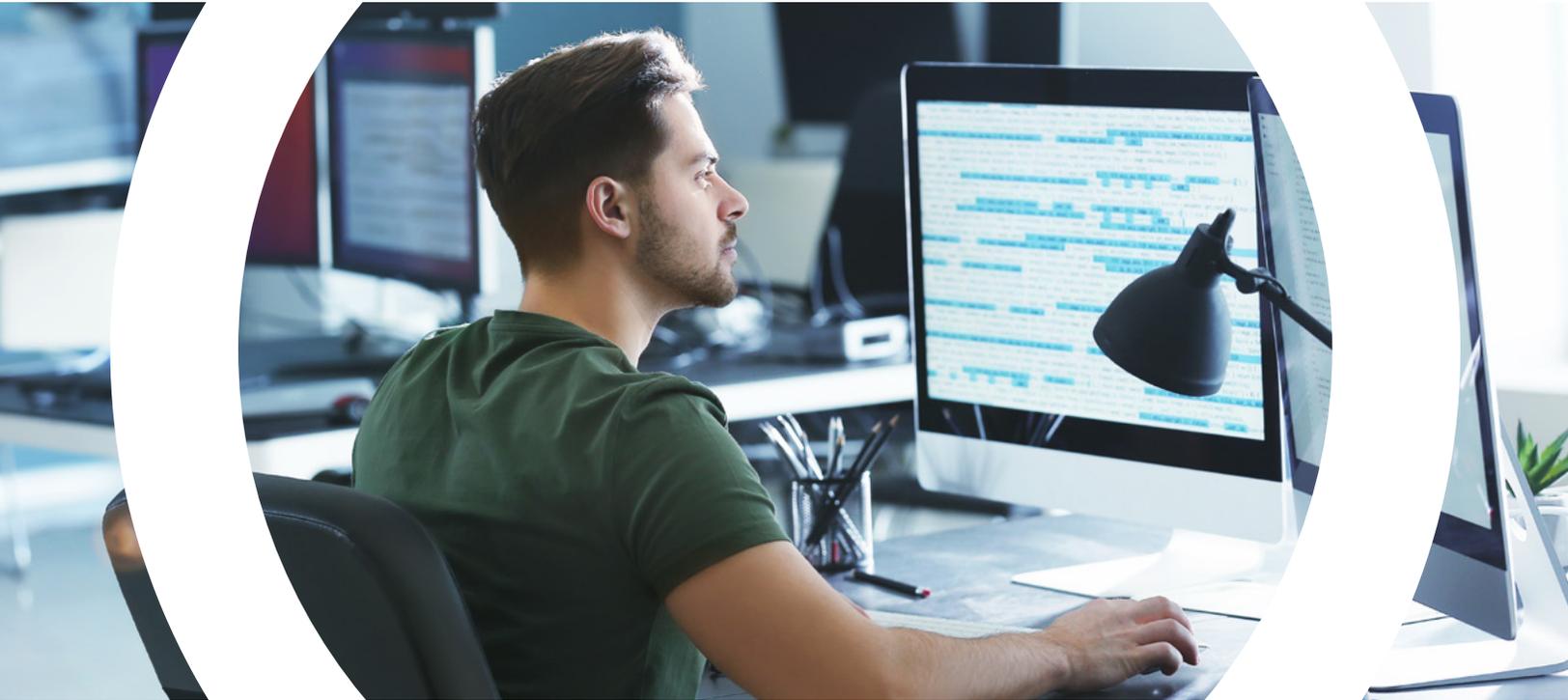


Tracer® SC+

Highlighted Features by Release



Trane® is committed to continuous product improvement, helping ensure that we can provide solutions to our customers' evolving needs. We have summarized our release notes into a few key points from each version, highlighting the latest and greatest additions. We strive to deliver excellence in four main areas with each update:



Cybersecurity

New features that follow best practices for addressing vulnerabilities or add new security-related features and enhancements.



Compatibility

With constantly evolving browsers, phones, PCs, tablets, etc.



Productivity

New features that help an operator perform their duties more effectively.



Optimization

New ways to add automation to improve comfort, energy efficiency, etc.

Drive to your Digital Destiny.

Tracer® SC+ Building Automation Systems offer secure remote access for users as well as ongoing optimization opportunities for their buildings. Tracer® Synchrony® offers full, intuitive system access, and productivity enhancements for facility managers and service technicians.

Version 5.5 – December 2020

Feature	Benefit
Support for Trane® USB Cellular Module	<ul style="list-style-type: none"> • This module simplifies connectivity to the Trane Cloud for Remote Access and Data Collection that enables Trane Intelligent Services. This module simplifies installation (single USB connection) and security (private Verizon® network) vs. other competitive solutions.
Support for Trane USB Wi-Fi Module	<ul style="list-style-type: none"> • This module adds network flexibility to Tracer SC+. Tracer SC+ can function as a Client or an Access Point – enabling: <ul style="list-style-type: none"> - Tracer SC+ to connect to an existing Access Point. - Tracer SC+ to connect to another Tracer SC+ without an external Access Point. - Trane external touchscreen displays to connect to the Tracer SC+ without an external Access Point. - Technicians to connect directly to Tracer SC+ without an external Access Point.
Demand Management (new) Application	<ul style="list-style-type: none"> • Tracer® SC+ Demand Management Application supports integrated Demand Limiting. • Demand Response to utility signaling for use with Gridflex. <ul style="list-style-type: none"> - This application helps to directly support energy targets and can decrease demand charges, commonly 30-70% of a commercial building's energy bill.* • Tracer® Synchrony® allows users to configure common demand limiting strategies - without the need to utilize a separate programming tool. <ul style="list-style-type: none"> - Examples include changing space temperature setpoints, resetting outdoor air ventilation, or current limiting a chiller. • Application page allows for configuration and descriptive status to simplify understanding of the sequence.
New Custom Views feature replaces Custom Values Table	<ul style="list-style-type: none"> • Significantly enhanced functionality begged for a name change. • Custom Views allows a Tracer Synchrony user to quickly create a table of information that helps simplify common tasks. • A new wizard, column customization, Overrides, and multiple points/properties per equipment/space make this feature much more valuable.
Air-Fi® Sensor Improved Functionality	<ul style="list-style-type: none"> • Streamlined setup for monitoring sensors and associating them with equipment.
Support Files can now be linked	<ul style="list-style-type: none"> • Files can be associated to a specific device to lower search time for a specific document. • Links allow interaction from graphics, and navigation tree.
Trim/Respond chart enhancements	<ul style="list-style-type: none"> • Several improvements based upon user suggestions to the Trim/Respond chart.
Data Logs – Change of Value (COV) support	<ul style="list-style-type: none"> • User created data logs can now be configured to gather data based upon a value change or a configured time interval.
Miscellaneous Enhancements	<ul style="list-style-type: none"> • Miscellaneous features may have been added and/or enhanced. • For the protection of our customers, each Tracer® SC+ release may contain non-specified, security-related enhancements. <ul style="list-style-type: none"> - These enhancements may be related to open-source or Trane software and may result from Trane, Trane partner, or non-Trane testing/analysis.

Version 5.4 – July 2020

Feature	Benefit
Integration of Trane® / Mitsubishi VRF via XML/IP	<ul style="list-style-type: none"> • Tracer® SC+ now supports advanced integration of Mitsubishi VRF systems. • Integration has the same look and feel as Tracer® Synchrony® and includes data, graphics, alarms, and datalogs for indoor and outdoor units as well as branch controllers.
Customization of Factory Equipment Graphics	<ul style="list-style-type: none"> • Users can customize a Factory Equipment Graphic by adding and/or removing desired datapoints. • This allows users to benefit from Factory Equipment Graphics while also customizing desired data points.
Miscellaneous Enhancements	<ul style="list-style-type: none"> • Miscellaneous features may have been added and/or enhanced. • For the protection of our customers, each Tracer® SC+ release may contain non-specified, security-related enhancements. <ul style="list-style-type: none"> - These enhancements may be related to open-source or Trane software and may result from Trane, Trane partner, or non-Trane testing/analysis.

Version 5.3 – May 2020

Feature	Benefit
Edit templates for multi-equipment devices	<ul style="list-style-type: none"> • User can now edit templates for multiple pieces of physical equipment that are controlled by a single unit controller.
IPv6 Ethernet Communication	<ul style="list-style-type: none"> • Tracer® SC+ now supports IPv6 communications to ensure compatibility with IT requirements.
Miscellaneous Enhancements	<ul style="list-style-type: none"> • Miscellaneous features may have been added and/or enhanced. • For the protection of our customers, each Tracer® SC+ release may contain non-specified, security-related enhancements. <ul style="list-style-type: none"> - These enhancements may be related to open-source or Trane software and may result from Trane, Trane partner, or non-Trane testing/analysis.

*Nrel.gov. 2017. Identifying Potential Markets for Behind-the-Meter Battery Energy Storage: A Survey of U.S. Demand Charges.

Version 5.2 – August 2019

Feature	Benefit
Active Directory support	<ul style="list-style-type: none"> • Enables users to authenticate with their company credentials
Trim and Respond Application	<ul style="list-style-type: none"> • Support for common ASHRAE® Guideline 36 sequences. • Tracer® Synchrony® allows users to configure common reset strategies utilizing standard and custom rulesets - without the need to utilize a separate programming tool. <ul style="list-style-type: none"> - Examples include Duct Static Pressure Optimization & Discharge Air Temperature Reset. • Application page allows for configuration and descriptive status to simplify understanding of the sequence.
Linear Reset Application	<ul style="list-style-type: none"> • Tracer® Synchrony® allows users to configure linear reset strategies - without the need to utilize a separate programming tool. <ul style="list-style-type: none"> - Example includes resetting Discharge Air Temperature of an Air Handler based upon the Outdoor Air Temperature. • Application page allows for configuration and descriptive status to simplify understanding of the sequence.
Chiller Plant Control Application Enhancements	<ul style="list-style-type: none"> • Multiple additions to SC+ to manage your chiller plant more efficiently without having to completely stop the current operation.
BACnet Read/Write Values	<ul style="list-style-type: none"> • A new point type that allows more flexibility in when points are read or written to. • Enables additional data points to be read/written by external Workstations (e.g., Tracer® Ensemble®).
Global Referencer Application Enhancements	<ul style="list-style-type: none"> • A new option to update points based upon a conditional trigger. • Provides an additional mechanism for delivering calculated values to multiple recipients (e.g., Demand Limiting).
Variable Air Systems (VAS) Application support for Staged Heat (Hybrid Change Over) systems	<ul style="list-style-type: none"> • Added flexibility allows Tracer® SC+'s VAS application to support these systems without the need for custom programming.
Miscellaneous Enhancements	<ul style="list-style-type: none"> • Miscellaneous features may have been added and/or enhanced. • For the protection of our customers, each Tracer® SC+ release may contain non-specified, security-related enhancements. <ul style="list-style-type: none"> - These enhancements may be related to open-source or Trane software and may result from Trane, Trane partner, or non-Trane testing/analysis.

Version 5.1 – November 2018

Feature	Benefit
Direct Air-Fi® sensor support	<ul style="list-style-type: none"> • Allows for Air-Fi® sensors to communicate directly with an SC+, eliminating the need for installation into a Unit Controller first.
Support files library	<ul style="list-style-type: none"> • Use Tracer® Synchrony® to upload and view support files. These files can be associated with equipment and spaces, keeping important and useful information readily available.
Custom Values Table on Tracer® Synchrony®	<ul style="list-style-type: none"> • Provides a simple way to view tabular data without the need to create a custom graphic or navigation to multiple individual pages.
Simplified Data Log Creation	<ul style="list-style-type: none"> • Easy creation for data collection of multiple points at the same time. • Improved detection of duplication, allowing user to replace or duplicate if desired.
Data Log Graph Improvements	<ul style="list-style-type: none"> • Specific data for each data log is shown on hover. • Legend has been re-located to avoid overlapping relevant data. • Default colors changed to improve interaction for vision/color impaired users.
Alarm Mass Point Edit	<ul style="list-style-type: none"> • Improved process for editing alarm configurations for multiple points, controllers, and applications in one simple action.
Miscellaneous Enhancements	<ul style="list-style-type: none"> • Miscellaneous features may have been added and/or enhanced. • For the protection of our customers, each Tracer® SC+ release may contain non-specified, security-related enhancements. <ul style="list-style-type: none"> - These enhancements may be related to open-source or Trane software and may result from Trane, Trane partner, or non-Trane testing/analysis.

Version 5.0 – February 2018

Feature	Benefit
Support for Tracer® SC+ Hardware	<ul style="list-style-type: none">• Improved application & user interface performance.• Provides an additional RS485 port for additional BACnet® MS/TP & Modbus® RTU flexibility.• Supports XM30/XM32 modules to simplify transition from BCU and non-Trane controls.• Support for up to 4 USB accessories, including Trane USB Wi-Fi module, Trane USB Cellular Module, U60 LonTalk® adapter.• Support for Micro SD (backup/restore) and coin cell battery (date/time retention).• A simple, drop-in, replacement for existing Tracer® SC installations.
New Tracer® Synchrony® User Interface	<ul style="list-style-type: none">• Improved page and data loads vs. Tracer® SC user interface.• Improved touch-friendly features to support Phones & Tablets more seamlessly.• Login page customization.• The ability to perform firmware updates through Tracer® Synchrony® without the need for an external service tool.• Consistent with Tracer Ensemble User Interface for user familiarity.
Miscellaneous Enhancements	<ul style="list-style-type: none">• Miscellaneous features may have been added and/or enhanced.• For the protection of our customers, each Tracer® SC+ release may contain non-specified, security-related enhancements.<ul style="list-style-type: none">- These enhancements may be related to open-source or Trane software and may result from Trane, Trane partner, or non-Trane testing/analysis.



Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments through a broad portfolio of heating, ventilating and air conditioning systems and controls, services, parts and supply. For more information, please visit trane.com or tranetechnologies.com.

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