

Symbio[®] Chiller Control Comparison



Trane's Symbio 800 controls replace prior generation UC 800 controls offered on various Trane equipment from 2008 through 2024. Symbio control provides superior communication and logging compared to the prior UC 800 controller.



AdaptiView™



UC 800



Symbio

	Series R Units		CenTraVac Units	
Description	Tracer UC 800	Tracer Symbio 800	Tracer UC 800	Tracer Symbio 800
Applicable Units	RTHD (2014-2022) RTAF, ACS (2014 - 2021) RTHD, RTAC*, RTHC* (2014 - 2024)	RTHD (2022-current) RTAF, ACS (2023-current) RTHD, RTAC*, RTHC* (2024-current)	CVHE, CVHF, CDHF (2008-2022)	CVHE, CVHF, CDHF (2022-current)
Unit Control Type	UC 800	Symbio 800	UC 800	Symbio 800
Display Type	AdaptiView TD7	AdaptiView	AdaptiView	AdaptiView

**Available only through service upgrade*

Features	UC 800 Controller Display	Symbio [®] Controller	Symbio [®] Benefits
Base Technology	UC 800 controller	Symbio 800 controller	Newest generation of Trane controls with unsurpassed communications and controls flexibility.
Building Automation Interfaces	BACnet MSTP Modbus [®] RTU LonWorks	BACnet MSTP (wired and Air-Fi option) BACnet/IP (wired and Wi-Fi option) Modbus RTU Modbus TCP LonWorks	Provides wired and wireless interfaces to common BAS protocols.
Trane Intelligent Services (TIS)	SC over a BACnet MS/TP	Ethernet/IP SC over a BACnet MS/TP SC over a BACnet/IP	Directly capable of interface to TIS. This allows advanced analytics, monitoring, and alarm management.
Tracer TU Access	Direct connect serial USB port	Direct connect serial USB port Trane Connect (TIS) Option Air-Fi (WCI) Option Wi-Fi module Ethernet/IP SC over a BACnet MS/TP Optional cellular uplink module	Allows remote access, diagnostics, and problem-solving using Tracer TU.
Backup and Restore	Tracer TU tool only	Tracer TU tool Built-in interface with laptop (WEBUI)	Unit configuration and data stored on board for reliable and fast Symbio controller replacements.
Logging	5 files Tracer TU tool	5 files Tracer TU tool Mass media (thumb drive)	Enhanced logging stored on removeable thumb drive.

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BACnet enhancements	None	Customer configurable event logs Scheduler Trends Object UI client (WEBUI) BACnet alarm management	BACnet usability options are supported.
User Interaction Audit Logs	None	Yes	User logins and changes recorded for future review.
User Access Control	Limited	Full Trane security	Full Trane security allows improved login credential management and access levels for multiple users.
Air-Fi Sensors	None	Zone sensors (optional) Auxiliary sensors	Remote and auxiliary sensors can be easily added to system.



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