

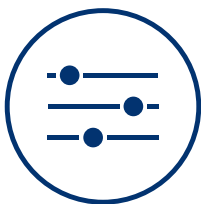
# Symbio<sup>®</sup> Equipment Controllers



## Connected Buildings Start with Symbio<sup>®</sup>

Meet Symbio equipment controllers—the launch point for digitally connected smart buildings. Trane's packaged units, split systems, and chillers work their absolute best with our digital equipment controllers. HVAC systems use about 35% of a building's energy on average, according to the U.S. Department of Energy. Symbio controllers, with Trane's professional, adaptable performance programming, help to maximize equipment energy efficiency. It's all part of Trane's mission to bring more buildings up to speed with today's higher sustainability standards.

HVAC systems use about **35%** of a building's energy on average according to the U.S. Department of Energy. Symbio helps HVAC equipment work more efficiently and reduce energy consumption.



### Flexibility

As occupant and building needs change over time, our flexible unit controllers solve present and future challenges. Symbio and additional devices easily integrate with older systems via open standard protocols. Upgradeable software also offers proactive cybersecurity updates and future enhancements that comply with changing energy codes.



### Connectivity

Connected buildings meet occupant demands with ease by allowing you to securely access system and equipment data at anytime, anywhere. Use building data collected by Symbio to remotely monitor, troubleshoot, schedule, and control equipment. This allows you to optimize operational productivity and achieve sustainability goals by reducing energy waste.



### Serviceability

Nothing stays the same, including the way most buildings are used. Symbio can be reprogrammed easily and often with non-proprietary software service tools and built-in interfaces. Utilize detailed event logs, trends, and alarm management to ensure optimized system performance. Symbio automates and streamlines equipment startup and allows you to remotely diagnose and manage the building.

## Symbio® Takes Your HVAC Equipment Further

Symbio controllers all have tailored capabilities and compatibilities depending on what kind of HVAC equipment you have. [Ask a Trane expert](#) what model of Symbio is right for you and your building/project.

### Chillers and Large Rooftop Units

Controlling large equipment for energy efficiency is critical for focused energy cost management and sustainability initiatives. Symbio 800 ships standard on chillers and large rooftop units.

- Easy installation, start-up and commissioning
- No special tools required for set-up and troubleshooting
- Secure remote service capabilities, even without network access
- Communicates via Air-Fi® Wireless, MS/TP or IP connectivity
- Integrates seamlessly with building automation systems
- Simple integration with third-party software and systems, such as lighting and security



### Packaged Rooftop Units and Split Systems

Symbio 700 introduces digital control advantages to popular Trane rooftop units and split systems, including Odyssey™, Precedent® and Voyager® 3.

- Easy installation, start-up and commissioning through the Service and Installation App
- User interface clearly describes system alarms and resolutions
- No special tools required for set-up or troubleshooting
- Mobile app access to equipment alarming, trends and event logs
- Access to remote service capabilities



### Air Handling and Water Source Heat Pumps

Symbio 500 provides programmable control suitable for almost any building need with enhanced flexibility to support BACnet MS/TP, BACnet/Zigbee (Air-Fi®) and BACnet IP communication in a variety of topologies including star, daisy chain and ring IP.

- Secure access via TraneConnect™ enables remote connectivity
- Factory-mounted or field applied
- Enhanced serviceability tools for third party integrators



### Single-Duct VAV Units

Control air volumes to meet ventilation requirements and serve heating and cooling loads. Symbio 210 can be factory installed on new Trane VAV boxes or mounted in the field to retrofit and modernize units.

- Simplifies system design, easily integrates with other equipment
- Configured, programmed and tested in the Trane factory
- Communicates using BACnet/Zigbee (Air-Fi®), MS/TP or IP



### Do More in Less Time

Field technicians and contractors will appreciate Trane's [Symbio Service and Installation Mobile App](#) with Bluetooth® Connectivity. Remote monitoring and diagnostic capabilities create a stronger tether to customers because you can serve their needs better, even though you may spend less time in their buildings. Along with our mobile device-accessible applications for Precedent® and Odyssey™ units, we offer a web-based user interface (UI) for some HVAC equipment.



### Already Connected?

Symbio controls give you access to a suite of digital services. Remote monitoring and performance reporting take you from simply avoiding unplanned downtime to maintaining uptime at its highest performance level. Built on open standard protocols, Symbio seamlessly integrates with Trane and non-Trane building automation systems. No BAS in place? Tap into the benefits of [Trane Intelligent Services](#) and remote monitoring directly from the unit controller via [Trane® Connect™](#) access.



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](http://trane.com) or [tranetechnologies.com](http://tranetechnologies.com).

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