10 Benefits of an Integrated VRF System with Tracer® SC+ Controls

Tracer SC+ now integrates with Trane® / Mitsubishi Electric N-Generation CITY MULTI® VRF, providing a completely integrated VRF system from Trane.

Variable refrigerant flow (VRF) systems are an increasingly popular choice regardless of a building's size or intended use. Integrated controls for a VRF system like Tracer SC+ provide superior building automation and control for contractors and building owners alike.

Contractors who embrace Trane VRF Systems can provide outstanding benefits to their customers, including:

1

Design Versatility

The Trane® / Mitsubishi Electric N-Generation CITY MULTI® VRF product line features a tiered product lineup of VRF solutions to satisfy the diverse design conditions of many different commercial applications. From Standard Efficiency to Hyper-Heating H2i® models, solutions are available regardless of building size, location or function.

2

Heat Pump and Heat Recovery System Compatibility

Trane® / Mitsubishi Electric technology lineup includes air and water-source heat recovery or heat pump systems, so you can select the unit that best suits your customer's HVAC needs. A heat pump is typically used in spaces that experience uniform load profiles because they are only able to provide either heating or cooling at one point in time. In contrast, a heat recovery system is diverse; it can simultaneously cool or heat any connected zone by redirecting energy from one space to another.

3

Easier Installation Process

The N-Generation CITY MULTI features a two-pipe system, rather than the alternative three-pipe system, and includes a range of indoor and outdoor units resulting in a simplified installation process. This leads to a faster, simpler installation, minimizing the time needed on a job site, which can ultimately save time on installation costs.

4

Limited Business Interruptions

VRF systems can be installed while the current HVAC system is still operational, which means contractors can install these systems with minimal disruptions for the current occupants. When it comes to controls, Tracer SC+ integrates into the entire facility and features a simplified, intuitive online user interface resulting in quicker set-up and shorter learning curve for tenants.

5

Integrated Controls

The Trane® / Mitsubishi Electric N-Gen CITY MULTI system now integrates with the Tracer® SC+ system to provide an integrated controls solution, allowing one operating system to control and coordinate the operation of both the ventilation and VRF systems. Tracer SC+ can be used across multiple zones and even multiple locations. The integrated controls platform offers building managers and owners numerous control options, including user-set heating and cooling setpoints as well as automatic control with singleor dual-setpoint control. The built-in occupancy sensor detects vacancy in a specific zone, which allows the controller to use setback setpoints to reduce energy consumption in an unoccupied zone. With an integrated controls approach like the Tracer SC+ system, contractors can provide better solutions to their customers such as maintaining an ideal temperature across multiple zones and buildings.

6

Secure Remote Access

The Tracer SC+ system provides secure remote access, allowing you and your customers to control a system from virtually anywhere, right from the palm of your hand. If an issue arises, you can determine if you can troubleshoot the problem remotely or if you need to roll a truck. If a truck roll is necessary, you can help identify the issue ahead of time and ensure you have the right parts to handle the problem when you arrive on-site. This can save you and your customer money and time, while minimizing potential system downtime.

7

Exceptional Flexibility

Tracer SC+ offers outstanding flexibility by supporting open, standard protocols to provide stand-alone control of HVAC equipment. The Tracer SC+ controls platform seamlessly integrates existing Trane systems with the N-Gen CITY MULTI VRF system to provide building automation control that is flexible and scalable to larger buildings and complex projects.

8

Outstanding Efficiency

Unparalleled visibility into the entire VRF system, from the N-Gen City Multi® VRF, to outdoor air systems like Horizon® DOAS, controls are available through Tracer SC+. The data from these systems helps inform other decisions around optimizing a building for energy efficiency and offers contractors design flexibility for jobs when the customer is concerned with lifecycle costs.

9

Expert Training and Installation Resources

Trane application engineers have the expertise and experience to help contractors install comprehensive VRF systems tailored to each customer's specifications and performance expectations. Whether through inperson or virtual training, contractors receive technical learning, product demos and the education needed to confidently install VRF systems.

10

Risk Mitigation

The Tracer SC+ system helps contractors feel confident in their work, both now and in the future, by mitigating risk through standardized installs. With the Tracer SC+, the installation process will stay the same from site to site no matter the building size and type, ultimately leading to a quicker, more standardized installation and time savings.

Getting the job done right will keep your clients satisfied and allow you time to increase your confidence and create and maintain long-lasting relationships with your customers.

Visit trane.com/vrf to learn more about the Tracer SC+ and VRF solutions.

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