

*Greenbuild 2017
Booth #838*

Mitsubishi Electric DC-600E™ Integration Controller: Empowering Architects, Building Managers Through Product-Services Package

SUWANEE, Ga., November 8, 2017 – [Mitsubishi Electric US, Inc. Cooling & Heating Division](#) (Mitsubishi Electric), a leading manufacturer of Zoned Comfort Solutions™ and Variable Refrigerant Flow (VRF) cooling and heating systems, announces Diamond Controls™ Solutions and the DC-600E™ Integration Controller. These products provide architects, building managers and owners an innovative product-services package that pairs complete building controls with top-notch customer service from Mitsubishi Electric's **Professional Solutions Group (PSG)**.

The combination of a quality product (advanced controls) and versatile service is unique to Mitsubishi Electric's building management offering and ensures that managers and owners make the most of their budgets and time. PSG is involved in every step of the integration process, including design, programming, installation, training and follow-up – steps that are typically handled by multiple different contractors. By offering a single, integrated solution through a reliable provider, the DC-600E Integration Controller improves the speed of the integration process and reduces the risk of integration mishaps.



Above: A multi-story building utilizing the DC-600E™ Integration Controller. The HVAC system, carbon monoxide detectors and outdoor lighting systems have

HVAC is the largest significant feature that commercial controls systems manage. Choosing controls that are centered on a facility's HVAC system is the logical choice. Facilities using [Mitsubishi Electric's Variable Refrigerant Flow \(VRF\) zoning systems](#) in conjunction with the DC-600E Integration Controller can now capitalize on VRF's energy efficiency, helping save energy and enhancing occupant comfort.

Allowing managers and owners to maximize their investments, the Diamond Controls Solutions product-services package offers the following benefits:

- **Efficiency gain.** Managing VRF zoning systems through Diamond Controls Solutions adds energy efficiency because the systems come with built-in sensors and the controls use the standard cooling and heating building controls best practices.
- **Lower cost.** A manager can use the controls to modify cooling or heating, shut off lights, turn off water features, etc. – all around the facility's optimal schedule. Alternatively, a manager can schedule setbacks around the weather forecast; Diamond Controls Solutions service can check the ambient temperature conditions and automatically adjust.

Working with one company for both the product and service also removes typical frustrations associated with integrating building systems because VRF-specific sequences and programming are included with Diamond Controls Solutions.



Above: A screenshot of the interface that captures the clean design and user-friendliness of the Diamond Controls™ Solutions service.

(more)

- **Ease of use.** Diamond Controls Solutions service can be accessed at any time from any location. Remote access removes the tether of touching a physical thermostat, for example, giving managers full control whenever and wherever needed. Diamond Controls Solutions makes monitoring the facility remarkably simple for facility staff, reducing human error and the time it takes to get results.

Features of Diamond Controls Solutions include:

- **Management from A to Z.** Diamond Controls Solutions allows building managers to control multiple tenant spaces within the same building, multiple buildings on a site and multiple sites. The controlled systems can come from any manufacturer; an HVAC system from one company can be managed alongside an outdoor lighting system from another company. Diamond Controls Solutions can integrate most any automated feature.

- **High-level display.** The displayed trends, reports and analyses reveal in real time how the building's systems are reacting to user behavior, building conditions and ambient conditions, offering managers valuable oversight. Displayable trends include: building and space occupancy, CO2 levels, energy generation (solar), energy usage and humidity levels, among others. All of this information is displayed via a secure Web page. Representations of equipment, regardless of manufacturer, are displayed in 3D.



Above: A screenshot of a manager's interface shows a wall-mounted indoor unit that is set to cooling mode and indicates the need for a filter change.

- **Strong and secure software.** Diamond Controls Solutions runs on [Tridium's Niagara^{AX} Framework](#) software (Niagara). Tridium, Richmond, Virginia, a global

(more)

leader in open architecture automation software and an independent business entity of Honeywell International, Inc., Morristown, New Jersey, has seen impressive growth for almost 20 years. Niagara is customizable, upgradable and scalable, meaning it can be as simple or advanced as a user wants. The ability to upgrade the framework without replacing components as well as the framework's unlimited scalability means its operational life will exceed that of the systems it integrates.

For more information on Diamond Controls Solutions or the DC-600E Integration Controller, visit the Diamond Controls Solutions product brief on www.mitsubishipro.com.

###

About Mitsubishi Electric US, Inc. Cooling & Heating Division

Mitsubishi Electric US, Inc. Cooling & Heating Division (Mitsubishi Electric) is headquartered in Suwanee, Georgia. Mitsubishi Electric is a leading marketer of Zoned Comfort Solutions™ and Variable Refrigerant Flow (VRF) air-conditioning and heating technology in North America, Latin America, the Caribbean and Bermuda. In 1982, Mitsubishi Electric introduced its state-of-the-art, ductless air conditioners and heat pumps in North America and later expanded its product line with VRF zoning heat pump systems using INVERTER technology to offer simultaneous cooling and heating capabilities. The division also offers compressors and a full line of air-conditioning accessories. Mitsubishi Electric products have won more than 58 innovation and excellence awards, including the 2015 Record Products Award from *Architectural Record*, a 2015 ACH&R News Dealer Design Award, a 2016 Product Innovation Award from *Architectural Products*, a 2015 AHR Expo Innovation Award from *ASHRAE*, a 2016 *College Planning & Management* New Product of the Year Award, a 2016 *School Planning & Management* New Product of the Year Award, a 2016 and 2017 Money-Saving Products Award from *BUILDINGS*, a 2017 Excellence in Design Award from *Appliance Design* and a 2017 Product of the Year Award from *Consulting-Specifying Engineer*. More information is available at www.mehvac.com and at Mitsubishi Electric's [blog](#). Mitsubishi Electric is also on [Facebook](#), [Twitter](#), [Pinterest](#) and [YouTube](#).

In addition to cooling and heating products, [Mitsubishi Electric US group companies'](#) principal businesses include semiconductor devices, automotive electrical components, factory automation products and services, elevators and escalators, solar modules, electric utility products and large-scale video displays for stadiums and arenas. Mitsubishi Electric US group companies have roughly 31 locations throughout North America with approximately 4,000 employees.

Contact: [Erica White](#)
Griffin & Co./ LMO

(more)

703/797-7126

MIT/1117/01