



## NEWS RELEASE

# nVent Adds BMS Connectivity to Next Generation nVent RAYCHEM Elexant 450c Heat Tracing Controller

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LONDON – May 25, 2021 – nVent Electric plc (NYSE:NVT) (“nVent”), a global leader in electrical connection and protection solutions, today announced the addition of a Modbus communication protocol to its advanced, energy-efficient commercial heat-tracing controller, the nVent RAYCHEM Elexant 450c. Launched in late 2019, the Elexant 450c is an indoor-housed heat-tracing controller designed to provide specifiers, installers and building owners with the latest in smart, energy-saving anti-freeze protection. The addition of a new firmware device equipped with Modbus connectivity allows the Elexant 450c to integrate with virtually any building management system (BMS). This new feature offers building managers complete temperature maintenance process visibility from one central location, along with the potential for continuous optimization through data-driven insights.

“At nVent, we’re constantly striving to create smarter, more effective solutions that use new and existing technologies to their fullest potential,” comments Knut Bittner, global product manager at nVent. “The initial launch of the Elexant 450c, and this latest Modbus feature update, represent our commitment to continuously innovating and improving systems for our customers.”

Smart, flexible and connected control

Part of the Elexant family of smart heat-tracing controllers, the nVent RAYCHEM Elexant 450c offers advanced and reliable temperature control that can be tailored to the specific needs of individual commercial building projects.

With dual zone tracing capabilities, the controller can simultaneously maintain two separate heating circuits at different temperature settings, all from one intuitive touch-screen user interface. This streamlined functionality is made possible thanks to the inclusion of two types of heat tracing control technology built-in as standard; flexible Proportional Ambient Sensing Control (PASC) and highly-accurate line-sensing control.

The combination of these complementary control methods enables businesses to maximize performance and energy efficiency in each heating zone and offers an extra level of flexibility in the design of heat tracing applications. For example, the controller can maintain a greasy waste pipe circuit at 40°C in one area using line-sensing control, while simultaneously running a pipe freeze protection (PFP) circuit, set to activate when the ambient temperature falls below freezing, in another.

The Elexant 450c's DIN Rail mountable design, easy wiring and intuitive set-up also allow tracing specialists to integrate the controller with existing hardware to meet their specific requirements. Now with the addition of Modbus connectivity, the Elexant 450c can seamlessly integrate with other HVAC systems, as well as a central BMS, for more advanced, convenient, and centralized control of vital freeze-protection circuits.

#### A complete, ready-to-install freeze protection solution

Bringing the benefits of smart BMS connectivity to outdoor frost protection panels, the updated Elexant 450c controller is also a standard component of the new nVent RAYCHEM SBS Pre-built Frost Protection panel line-up. This leading range of standard pre-fabricated and fully customizable panels is designed to provide everything building managers need to help protect properties from frost damage, all in one easy-to-install package. Featuring fully pre-wired components safeguarded by the latest C-type circuit breakers, the new SBS panels allow users to safely control up to 12 heating circuits with just a simple connection to the mains power supply.

Further information on the nVent RAYCHEM Elexant 450c is available [here](#). For additional details on nVent's new portfolio of adaptable, connected freeze-protection panels, please click [here](#).

#### About nVent

nVent is a leading global provider of electrical connection and protection solutions. We believe our inventive electrical solutions enable safer systems and ensure a more secure world. We design, manufacture, market, install and service high performance products and solutions that connect and protect some of the world's most sensitive equipment, buildings and critical processes. We offer a comprehensive range of enclosures, electrical connections and fastening and thermal management solutions across industry-leading brands that are recognized globally for quality, reliability and innovation. Our principal office is in London and our management office in the United States is in Minneapolis. Our robust portfolio of leading electrical product brands dates back more than 100 years and includes nVent CADDY, ERICO, HOFFMAN, RAYCHEM, SCHROFF and TRACER.

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