

### CONNECT AND PROTECT

Pre-built and configurable panels for pipe freeze protection, temperature maintenance and central BMS control

#### THE NEXT GENERATION OF PRE-BUILT PIPE FREEZE PROTECTION PANELS

At nVent we are proud to announce our next generation of **nVent RAYCHEM SBS pre-built frost freeze protection panel line-up with Modbus integration possibilities.**

**This new SBS-Modbus line up is equipped as standard with the newly released Elexant 450c-Modbus controller**, a DIN Rail controller designed to provide specifiers, installers and building owners with the latest in smart, energy-saving anti-freeze protection.

**The new Elexant 450c-Modbus controller allows integration with virtually any Building Management System (BMS).** This new feature offers building managers complete visibility over their processes from one central location, along with the potential for continuous optimisation through data-driven insights.

#### THE NEW NVENT RAYCHEM SBS FROST PROTECTION PANELS IN A NUTSHELL

- The nVent RAYCHEM SBS control panel range provides a complete solution for nVent RAYCHEM self-regulating heating cables for pipe freeze protection and temperature maintenance.
- The models in this series control up to 12 heating circuits. To ensure safe operation, the control panel is equipped with circuit breakers (C-type) and residual current protection.
- It offers control options with a pipe or line sensor and / or a PASC (Proportional Ambient Sensing Control). The installed Elexant 450c control unit can operate 2 zones with different parameters independently of one another.
- Integration with the central BMS system can be established through Modbus protocol.
- The control panel is pre-wired and only needs to be connected to a main power supply.
- Custom panel designs are possible.



#### WHAT'S IN IT FOR THE INSTALLER?

##### 1 ALL IN 1 SOLUTION

- The SBS panels are
- Pre-wired and can control between 1-12 heating circuits.
  - Assembled according to the latest safety and quality standards.
  - Ready to be installed, reducing the overall installation time on site.

##### 2 COMMUNICATION OPTIONS

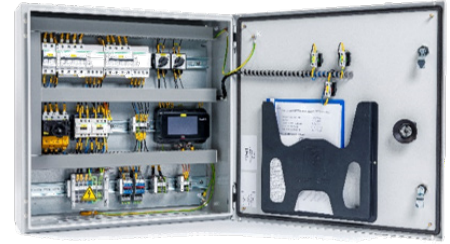
- The SBS Modbus line up contains a pre-mounted Elexant 450c-Modbus controller.
- This enables integration through Modbus RTU into a central BMS system.

##### 3 VERSATILITY IN DESIGN

- Elexant 450c (Modbus) can control
- 2 different application types (PFP and/or temperature maintenance).
  - 2 different control circuits with 2 different sensing modes (PASC and/or Line).

## OVERVIEW: THE SBS FP PANEL LINE UP

Product name	Item number	Product description
SBS-FP-3x16A-MODBUS	1244-022628	Control panel for max. 3 heating circuits Pre-mounted with Elexant 450c MODBUS controller
SBS-FP-6x16A-MODBUS	1244-022629	Control panel for max. 6 heating circuits Pre-mounted with Elexant 450c MODBUS controller
SBS-FP-9x16A-MODBUS	1244-022630	Control panel for max. 9 heating circuits Pre-mounted with Elexant 450c MODBUS controller
SBS-FP-12x16A-MODBUS	1244-022631	Control panel for max. 12 heating circuits Pre-mounted with Elexant 450c MODBUS controller



### Important notes:

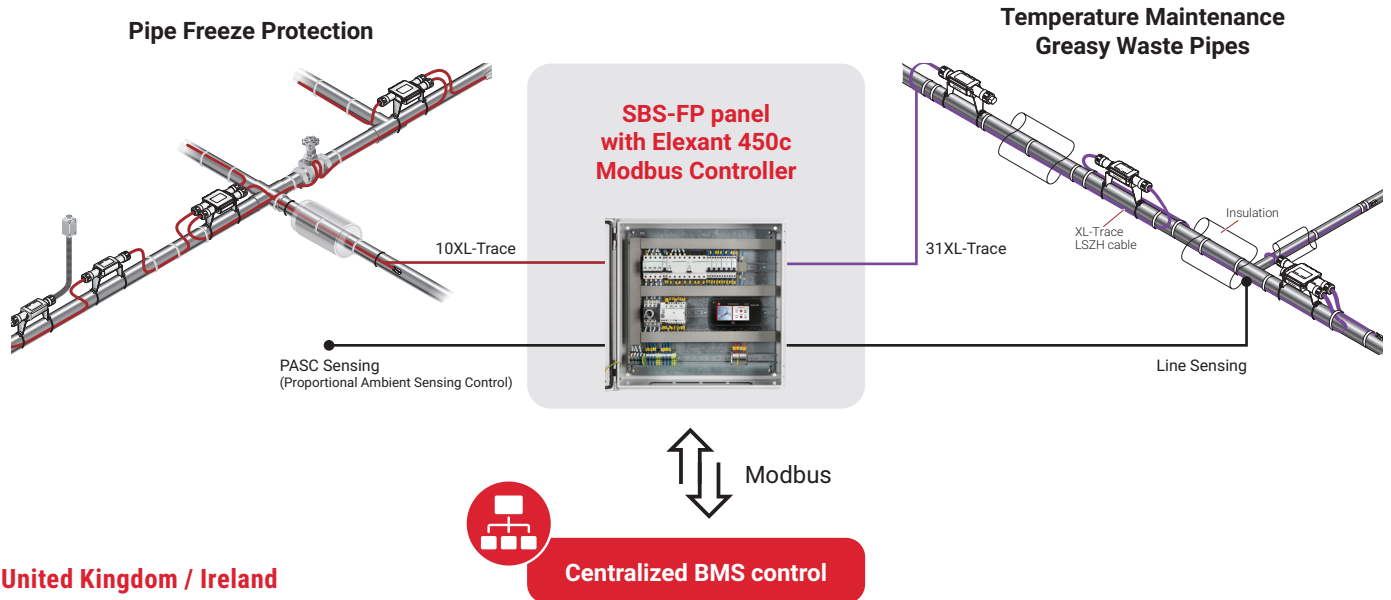
- All panel options are also available without Modbus functionality. Contact nVent for more info.
- All panels are equipped with 2 NTC 5m sensors as standard.
- The nVent RAYCHEM SBS panels are for use with the nVent RAYCHEM heating cables only. The warranty and system listing will be invalidated if used with other heating cables.
- Customised panel design possible – contact your nVent RAYCHEM representative for more information.

## STAND ALONE ELEXANT 450c-MODBUS CONTROLLER



Next generation Heat Tracing Controller with Modbus RTU integration functionality for central BMS systems with dual independent heating zone control and multiple integrated sensing modes (Line and/or PASC) to offer flexibility in design for the most energy efficient Pipe Freeze Protection and Temperature Maintenance Control.

## INFOGRAPHIC: DUAL ZONE – MULTI SENSING MODE – CENTRAL BMS CONTROL



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