

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:

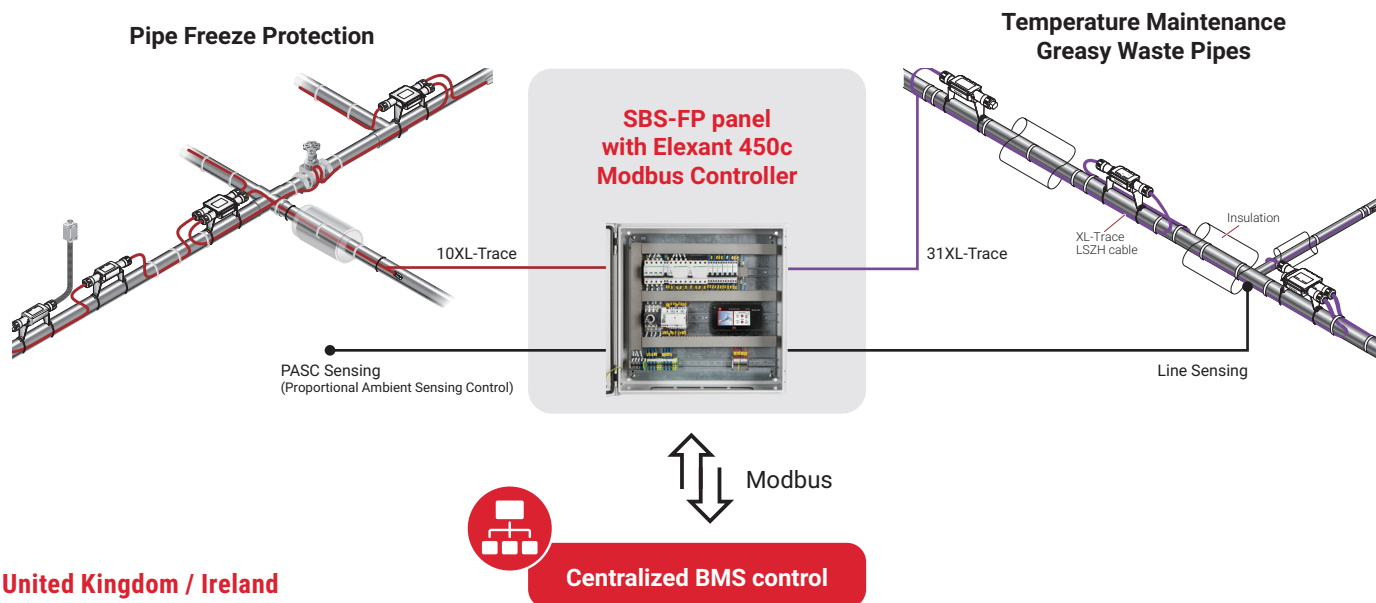
- All panel options are also available without Modbus functionality. Contact nVent for more info.
- All panels are equipped with 2 NTC 5m sensors as standard.
- The nVent RAYCHEM SBS panels are for use with the nVent RAYCHEM heating cables only. The warranty and system listing will be invalidated if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