



PRODUCT DESCRIPTION

The nVent RAYCHEM SBS-R-FP control panel for pipe freeze protection systems provides an integrated solution for the control of RAYCHEM self-regulating heating cables for pipe freeze protection applications. The control panel comprises a digital line sensing thermostatic control. The SBS-R-FP panels switch 1, 3, or 6 circuits of self-regulating frost protection heating cables. The panel also includes electrical circuit protection devices (C-type circuit breakers) and residual current devices for safety, peace of mind, and electrical regulation compliance.

ADVANTAGES

- Integrated electrical safety and control, device for single/multiple heating circuits from the heat tracing manufacturer.
- Line Sensing Thermostat for precise system control and energy efficiency
- Everything in a single control panel. Simply add a power supply.

CONTROLLER TECHNICAL DATA

Control	RAYCHEM RayStat-CONTROL-11-DIN control device, pre-installed and electrically connected.
Supply voltage	230Vac 50/60Hz.
Set temp.	Customer specific at first set-up. (Quick and easy menu driven set-up).
Sensor	Pipe temperature sensor, 3 wire PT100.

RELATED PRODUCTS

The SBS-R-FP control panel is compatible with the RAYCHEM pipe freeze protection cables:

Heater Cable	Connection Device
FS-A-2X	RayClic fast connection device
FS-B-2X	RayClic fast connection device
FS-C-2X	CE20-01
FS-C10-2X	CCE-04-CT/CE20-01
FroStop-Green	CCE-03-CR
FroStop-Black	CCE-03-CR
R-ETL-A	CCE-03-CR

PANEL TECHNICAL DATA

Enclosure Colour	Light Grey
Protection Class	IP65 Enclosure
Installation location	Indoor
Ambient Temperatures	+5°C to +35°C.
Cable Apertures	Plastic panel with metric Breakaway apertures.
Power Supply	400V/230Vac, 50Hz, 3L/N/PE.
Panel Material	Plastic Enclosure.
Panel Approval	CE (Approved to IEC 61439-1).
Main switch	40A.
RCD	30mA.
Line circuit breakers	10A or 16A (Type C) See specific panel details.
Approvals	CE marked.

ENCLOSURE TYPE

		SBS-R-FP-1x10A	SBS-R-FP-3x10A	SBS-R-FP-6x10A	SBS-R-FP-1x16A	SBS-R-FP-3x16A	SBS-R-FP-6x16A
Number of Heating Circuits		1	3	6	1	3	6
Dimension	Width (mm)	310	418	418	418	418	418
	Height (mm)	246	436	586	286	436	586
	Depth (mm)	148	148	148	148	148	148
Circuit Electrical Protection		1 x 10A	3 x 10A	6 x 10A	1 x 16A	3 x 16A	6 x 16A
Weight (kg)		2.6	6.2	8.8	4	6.2	8.8

ORDER REFERENCE

Product Name	Order Reference	Description
SBS-R-FP-1x10A	1244-016629	Single Circuit pipe freeze protection control panel for RAYCHEM Self-regulating heating cables (10A circuit max.)
SBS-R-FP-3x10A	1244-016630	Up to 3 Circuit pipe freeze protection control panel for RAYCHEM Self-regulating heating cables (10A circuits max.)
SBS-R-FP-6x10A	1244-016631	Up to 6 Circuit pipe freeze protection control panel for RAYCHEM Self-regulating heating cables (10A circuits max.)
SBS-R-FP-1x16A	1244-016626	Single Circuit pipe freeze protection control panel for RAYCHEM Self-regulating heating cables (16A circuit max.)
SBS-R-FP-3x16A	1244-016627	Up to 3 Circuit pipe freeze protection control panel for RAYCHEM Self-regulating heating cables (16A circuits max.)
SBS-R-FP-6x16A	1244-016628	Up to 6 pipe freeze protection control panel for RAYCHEM Self-regulating heating cables (16A circuits max.)

INSTALLATION INSTRUCTIONS

Complete panel wiring information and schematics are provided with the product. All electrical installations must be carried out by an approved electrician in compliance with local electrical requirements and norms.

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