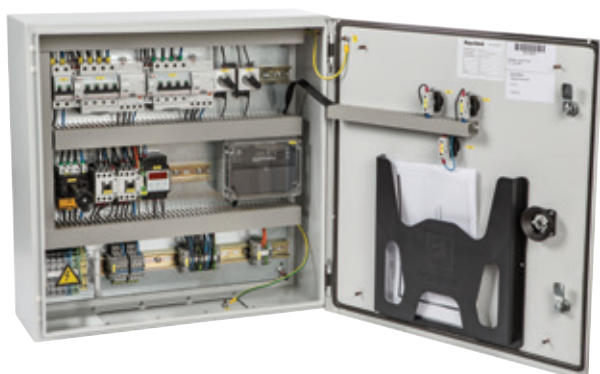


CONTROL PANEL FOR PIPE FROST PROTECTION SYSTEMS



DESCRIPTION

The nVent RAYCHEM SBS-XX-SV control panel for pipe frost protection systems provides a totally integrated solution for the control of RAYCHEM self-regulating heating cables for frost protection applications. The control panel comprises a line sensing thermostatic control system or ambient sensing control with proportional ambient sensing control (PASC). The SBS-XX-SV panels can offer solutions up to 12 circuits of frost protection heating cables. The panel also includes electrical circuit protection devices (C-type circuit breakers) and residual current devices for safety and peace of mind. The panels need only be connected to the 400Vac (3 phase) supply.

ADVANTAGES

Fast connection of multiple circuits directly into the control panel

- No need for additional connections or junction boxes
 - 3-12 circuit lengths can be connected to 1 panel
 - Circuit protection and safety devices integrated into the panel
- No need for separate safety devices
 - Complete system from the manufacturer
- System and components specifically selected for high performance frost protection system control

TECHNICAL DATA

Control	Customer can specify a control method per 3 circuits <ul style="list-style-type: none"> - nVent RAYCHEM MONT-RayStat-ECO-10 ambient sensing (with PASC) - nVent RAYCHEM MONT-RayStat-CONTROL-10 Line sensing - nVent RAYCHEM MONT-RayStat-CONTROL-11 Line sensing with digital display
Supply voltage	400V (3 Phase)
Heater circuit voltage.	230Vac 50/60Hz
Sensor	Ambient sensor (with PASC) or line sensor
Approval	CE (Approved to IEC61439)
Mains switch	Dependent on selected panel (32A to 100A)
RCD	30mA
Line circuit breakers	16A (Type C) per heating circuit
Selector switch	Auto/Manual <ul style="list-style-type: none"> - Auto = Controller in standard on mode. - Manual = Override of control. All heating circuits powered on
Alarm function	1 general potential free alarm contact; alarm light indicator on panel front

RELATED PRODUCTS

The SBS-XX-SV control panel is compatible with the nVent RAYCHEM pipe frost protection cables:

FS-A-2X - 150 metres per circuit

FS-B-2X - 105 metres per circuit

FS-C-2X - 90 metres per circuit

FS-C10-2X - 150 metres per circuit
(for 180m circuits, please contact nVent)

INSTALLATION INSTRUCTION

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.

TECHNICAL DATA

Colour	Structural paint, RAL 7035, light grey
Enclosure	IP65
Installation location	Indoor
Ambient temperatures	+10°C to +35°C

Cabinet type	SBS-03-SV	SBS-06-SV	SBS-09-SV	SBS-12-SV	
Number of heating circuits, max.	3	6	9	12	
Housing version	Wall-mounted	Wall-mounted	Wall-mounted	Wall-mounted	
Dimensions	Width	mm 600	600	800	800
	Height	mm 600	600	800	800
	Depth	mm 210	210	210	210

ORDER REFERENCE

Product name	Order reference	Description
SBS-03-SV	355825-000	Up to 3 circuit control panel for Frost Protection Products (WGRD)
SBS-06-SV	778308-000	Up to 6 circuit control panel for Frost Protection Products (WGRD)
SBS-09-SV	767989-000	Up to 9 circuit control panel for Frost Protection Products (WGRD)
SBS-12-SV	1244-000025	Up to 12 circuit control panel for Frost Protection Products (WGRD)

United Kingdom

Tel 0800 969 013
Fax 0800 968 624
salesthermalUK@nvent.com

Ireland

Tel 1800 654 241
Fax 1800 654 240
salesIE@nvent.com

South East Asia

Tel +65 67685800
Fax +65 67322263

Australia

Tel +61 2 97920250
Fax +61 2 97745931

India - Noida

Tel +91 120 464 9500
Fax +91 120 464 9548
NTMinfome@nvent.com

India - Mumbai

Tel +91 22 6775 8800/01
Fax +91 22 2556 1491
NTMinfome@nvent.com

UAE

Tel +971 4 378 1700
Fax +971 4 378 1777
NTMinfome@nvent.com

Slovakia

Tel +420 233 113 352
czechinfo@nvent.com



nVent.com

Our powerful portfolio of brands:

CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER