

CONTROL PANEL FOR GUTTER PROTECTION SYSTEMS



DESCRIPTION

The nVent RAYCHEM SBS-XX-EV-10 control panel for gutter and drainpipe protection systems provides a totally integrated solution for the control of RAYCHEM self regulating heating cables for roof & gutter deicing applications. The control panel comprises a multi-sensor thermostatic control system including ambient and moisture sensing capability for precision control and energy efficiency. The control panel, driven by the smart RAYCHEM EMDR-10 control device, allows the system only to be activated when cold weather and moisture are detected in combination.

The SBS-xx-EV-10 panels offer solutions from 3-12 maximum circuits GM-2X (T) self regulating heater cable. 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

Integrated electrical safety, control, and heater connection within a single unit from the heat tracing manufacturer

- Energy efficiency through integrated smart control. (EMDR-10 driven control protocol.)
- Fast connection of multiple circuits directly into the control panel
 - No need for additional connections or junction boxes
- 3-12 maximum 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 gutter and roof frost protection system control

TECHNICAL DATA

Control	RAYCHEM EMDR-10 Smart control device
Incoming supply voltage	400V (3 Phase)
Heater circuit supply voltage	230Vac 50/60Hz
Sensor	Ambient and moisture sensors
Approval	CE (Approved to IEC61439)
Mains switch	Dependent on selected panel (32A - 100A)
RCD	30mA
Line Circuit breakers	20A (Type C) per heater circuit
Alarm function	1 general potential free alarm contact; alarm light indicator on panel front.
Override:	Manual = Override of control. All heater circuits powered on
Ambient temperatures	+10°C to +35°C
Colour	RAL 7035 (Light Grey)
Location	Indoor
IP Rating	IP65
Enclosure Type	HOFFMAN Branded, nVent, Coated Metal

Cabinet type			SBS-03-EV-10	SBS-06-EV-10	SBS-09-EV-10	SBS-12-EV-10
Number of heating circuits, max.			3	6	9	12
Housing version			Wall-mounted	Wall-mounted	Wall-mounted	Wall-mounted
Dimensions	Width	mm	400	600	600	800
	Height	mm	600	600	600	800
	Depth	mm	210	210	210	210
Weight	approx.	kg	32	45	45	90

RELATED PRODUCTS

The SBS-xx-EV-10 control panel is compatible with the RAYCHEM gutter frost protection cable, IceStop GM-2X (T).

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.

ORDER REFERENCE

Product name	Order reference	Description
SBS-03-EV-10	295014-000	Multi circuit control panel for gutter melting systems
SBS-06-EV-10	458484-000	Multi circuit control panel for gutter melting systems
SBS-09-EV-10	206336-000	Multi circuit control panel for gutter melting systems
SBS-12-EV-10	282458-000	Multi circuit control panel for gutter melting systems

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

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

Australia

Tel +61 2 97920250
Fax +61 2 97745931



nVent.com

Our powerful portfolio of brands:

CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER