SBS-R-EM Control Panel for Roof & Gutter De-Icing and Surface Snow Melting

nVent RAYCHEM SBS-R-EM control panels provide an integrated solution for the control of RAYCHEM self-regulating heating cables and constant wattage heating mats for roof & gutter de-icing and surface snow melting applications. The control panels comprise the energy efficient, multi-sensor RayStat-M2 controller. The control panels monitor the surface temperature and surface moisture and switch on the snow melting system only when required. The SBS-R-EM panels are available in 1, 3, 6 and 9 heating circuit versions, with 20A switching capability per circuit. The panels also include electrical circuit protection devices (C-type circuit breakers and RCD protection) for safety, peace of mind, and electrical regulation compliance.

FEATURES

- Integrated electrical safety and control, panel for single/multiple heating circuits from the heat tracing manufacturer
- Designed specifically for RAYCHEM self-regulating heating cables and constant wattage heating mats.
- Multi-sensor control system for energy efficiency optimisation
- Everything in a single control panel. Simply add a power supply.
- Complete warrantied solution from the manufacturer.

SPECIFICATIONS

Phase Quantity: 3

Protection: Miniature- / Earth Leakage Circuit Breaker

Mounting: Wall Mounted

Over Voltage Protection: Yes

Table 1/2

Catalog Number	Item Name	IP Rating	Group Quantity	Circuit Breaker Quantity	Circuit Breaker	Main Switch Current Rating
1244-016636	SBS-R-EM-1X20A	IP65	1	1	20 A, Type C	40
1244-016637	SBS-R-EM-3X20A	IP65	1	3	20 A, Type C	40
1244-021413	SBS-R-EM-1X10A	IP65	1	1	10 A, Type C	40
1244-021414	SBS-R-EM-3X10A	IP65	1	3	10 A, Type C	40
1244-021417	SBS-R-EM-1X16A	IP65	1	1	16 A, Type C	40
1244-021418	SBS-R-EM-3X16A	IP65	1	3	16 A, Type C	40
1244-016638	SBS-R-EM-6X20A	IP66	2	6	20 A, Type C	40
1244-021415	SBS-R-EM-6X10A	IP66	2	6	10 A, Type C	40
1244-021419	SBS-R-EM-6X16A	IP66	2	6	16 A, Type C	40
1244-021416	SBS-R-EM-9X10A	IP66	3	9	10 A, Type C	40
1244-021420	SBS-R-EM-9X16A	IP66	3	9	16 A, Type C	40
1244-021421	SBS-R-EM-9X20A	IP66	3	9	20 A, Type C	40

Table 2/2

Catalog Number	Item Name	Circuit Breaker Quantity, 30 mA	Height	Width	Depth	Housing Material
1244-016636	SBS-R-EM-1X20A	1	436	310	148	Plastic

CatalogNumber	Item Name	Circuit Breaker Quantity, 30mA	Height	Width	Depth	Housing Material
1244-016637	SBS-R-EM-3X20A	1	586	310	148	Plastic
1244-021413	SBS-R-EM-1X10A	1	436	310	148	Plastic
1244-021414	SBS-R-EM-3X10A	1	586	310	148	Plastic
1244-021417	SBS-R-EM-1X16A	1	586	310	148	Plastic
1244-021418	SBS-R-EM-3X16A	1	436	310	148	Plastic
1244-016638	SBS-R-EM-6X20A	2	600	600	210	Metal
1244-021415	SBS-R-EM-6X10A	2	600	600	210	Metal
1244-021419	SBS-R-EM-6X16A	2	600	600	210	Metal
1244-021416	SBS-R-EM-9X10A	3	800	800	800	Metal
1244-021420	SBS-R-EM-9X16A	3	800	800	800	Metal
1244-021421	SBS-R-EM-9X20A	3	800	800	800	Metal

WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.nvent.com and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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