

Raychem CONTROL PANELS SBS-XX-VV-20



DESCRIPTION

The SBS-XX-VV-20 control panel for ice and snow prevention systems provides a totally integrated electrical safety, connection and control solution for Raychem EM2-XR self regulating heating in reinforced concrete surfaces.

The control panel comprises the VIA-DU-20 multisensor control unit for energy-efficient ground surface heating, and integrated electrical safety devices. The SBS-xx-VV-20 panels can switch up to 12 maximum circuits of EM2-XR.

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 terminals.

3-12 maximum circuit lengths can be connected and switched by a single 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 ice and snow prevention system control.

TECHNICAL DATA

Control:	VIA-DU-20 multi-sensor control unit
Power:	230Vac 50/60Hz
Set temp.	Variable at first set-up
Sensor:	Ground temperature, moisture, and ambient temperature sensors
Approval:	CE (Approved to IEC 60204-1 and IEC60439-1)
Mains switch:	Dependent on selected panel (63A-160A)
RCD:	30mA.
Line Circuit breakers:	32A (Type C) per 3 heater circuit group
Approvals:	CE marked.

CONTROL PANELS SBS-XX-VV-20

RELATED PRODUCTS

The SBS-xx-VV-20 control panel is compatible with the Raychem pipe frost protection cables:

Raychem EM2-XR Self-regulating heater cable (90W/m @ 0°C.)

8BTV2-CT (For drain line heating.)*

* The SBS-XX-VV-20 panel includes an additional circuit connection for drain wire heating capabilities at the edge of heated surfaces or at the lower end of ramps using 8BTV heating cable. (Maximum drain line circuit length of 15 m.)

PRODUCT REFERENCE

To order the SBS-xx-VV control panel, please reference:

Product name	Order reference	Description
SBS-03-VV-20	1244-000215	Up to 3 circuit control panel for EM2-XR ramp heating products)
SBS-06-VV-20	1244-000216	4-6 circuit control panel for EM2-XR ramp heating products
SBS-09-VV-20	1244-000217	7-9 circuit control panel for EM2-XR ramp heating products
SBS-12-VV-20	1244-000218	10-12 circuit control panel for EM2-XR ramp heating products

INSTALLATION INFORMATION

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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