

# **Raychem** SBS-XX-CM-20 CONTROL PANEL FOR SURFACE SNOW MELTING SYSTEMS



## **DESCRIPTION**

The SBS-XX-CM-20 control panel for ice and snow prevention systems provides a totally integrated electrical safety, connection and control solution for Raychem EM2-CM constant wattage heating mats for surface snow melting applications. The control panel comprises the VIA-DU-20 multi-sensor control unit for energy efficient ground surface heating, and integrated electrical safety devices. The SBS-xx-CM-20 panels can switch up to 18 maximum circuits of EM2-CM mats. 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.

3-18 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)
Supply	Dependent on selected panel (32A-125A)
RCD	30mA
Line Circuit breakers	20A (Type C) per 3 heater circuit group
Approvals	CE marked

## SBS-XX-CM-20 CONTROL PANEL

### RELATED PRODUCTS

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The SBS-xx-CM-20 control panel is compatible with the Raychem EM2-CM heating mats:

Raychem EM2-CM heating mats

- (300W/m<sup>2</sup>)

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

\* The SBS-XX-CM-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 15m.)

### PRODUCT REFERENCE

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To order the SBS-xx-CM-20 control panel, please reference:

Product name	Order reference	Description
1244-006430	SBS-03-CM-20	Up to 3 Circuit control panel for EM2-CM surface heating products
1244-006431	SBS-06-CW-20	4-6 Circuit control panel for EM2-CM surface heating products
1244-006432	SBS-09-CW-20	7-9 Circuit control panel for EM2-CW surface heating products
1244-006433	SBS-12-CW-20	10-12 Circuit control panel for EM2-CW surface heating products
1244-008212	SBS-15-CW-20	13-15 Circuit control panel for EM2-CW surface heating products
1244-008213	SBS-18-CW-20	16-18 Circuit control panel for EM2-CW surface heating products

### INSTALLATION INFORMATION

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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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