

# Surface Snow Melting / Roof & Gutter De-Icing Control Panels



The nVent SBS-SMDI-E650C control panels for ice and snow prevention systems provides a totally integrated electrical safety, connection and control solution for nVent surface snow melting and roof and gutter de-icing self regulating heating cables and mats. The control panel comprises the Elextant 650c-Modbus multisensor control unit for energy-efficient ground surface heating, and integrated electrical safety devices. The SBS-SMDI-E650C panels offer solutions up to 12 maximum circuits. The panel also includes electrical circuit protection devices (C-type circuit breakers) and residual current devices for safety and peace of mind.

## FEATURES

No need for additional connections terminals - 3-12 circuit can be connected and switched by a single 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

Modbus connectivity

IP 65 rating

Ambient temperatures: +10°C to +35°C

Location: Indoor

## SPECIFICATIONS

Table 1/2

Catalog Number	Item Name	Communication	Depth	Hazardous Area	Height	Housing Material
2000003961	SBS-SMDI-E650C-3X32A	Yes	210 mm	No	600 mm	Coated Metal
2000003965	SBS-SMDI-E650C-3X16A	Yes	210 mm	No	600 mm	Coated Metal
2000003966	SBS-SMDI-E650C-6X16A	Yes	210 mm	No	600 mm	Coated Metal
2000003964	SBS-SMDI-E650C-12X32A	Yes	210 mm	No	800 mm	Coated Metal
2000003967	SBS-SMDI-E650C-9X16A	Yes	210 mm	No	800 mm	Coated Metal
2000003968	SBS-SMDI-E650C-12X16A	Yes	210 mm	No	800 mm	Coated Metal
2000003969	SBS-SMDI-E650C-3X20A	Yes	210 mm	No	600 mm	Coated Metal
2000003963	SBS-SMDI-E650C-9X32A	Yes	210 mm	No	800 mm	Coated Metal
2000003970	SBS-SMDI-E650C-6X20A	Yes	210 mm	No	600 mm	Coated Metal
2000003972	SBS-SMDI-E650C-12X20A	Yes	210 mm	No	800 mm	Coated Metal
2000003971	SBS-SMDI-E650C-9X20A	Yes	210 mm	No	800 mm	Coated Metal
2000003962	SBS-SMDI-E650C-6X32A	Yes	210 mm	No	600 mm	Coated Metal

Table 2/2

Catalog Number	Item Name	IP Rating	Mounting	Width
2000003961	SBS-SMDI-E650C-3X32A	IP65	Wall Mounted	400 mm
2000003965	SBS-SMDI-E650C-3X16A	IP65	Wall Mounted	400 mm
2000003966	SBS-SMDI-E650C-6X16A	IP65	Wall Mounted	600 mm
2000003964	SBS-SMDI-E650C-12X32A	IP65	Wall Mounted	800 mm

Catalog Number	Item Name	IP Rating	Mounting	Width
2000003967	SBS-SMDI-E650C-9X16A	IP65	Wall Mounted	800 mm
2000003968	SBS-SMDI-E650C-12X16A	IP65	Wall Mounted	800 mm
2000003969	SBS-SMDI-E650C-3X20A	IP65	Wall Mounted	400 mm
2000003963	SBS-SMDI-E650C-9X32A	IP65	Wall Mounted	800 mm
2000003970	SBS-SMDI-E650C-6X20A	IP65	Wall Mounted	600 mm
2000003972	SBS-SMDI-E650C-12X20A	IP65	Wall Mounted	800 mm
2000003971	SBS-SMDI-E650C-9X20A	IP65	Wall Mounted	800 mm
2000003962	SBS-SMDI-E650C-6X32A	IP65	Wall Mounted	600 mm

## 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](http://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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