

# 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 Elexant 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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