

# Elexant 650c-Modbus Control Unit



The nVent RAYCHEM Elexant 650c-Modbus controller is designed for operation with the nVent RAYCHEM heating cables for roof and gutter de-icing and surface snow melting applications.

## FEATURES

Intuitive set-up and programming of the unit with a 4,3" colour touch screen

Flexible temperature control of roof & gutter de-icing and surface snow melting systems

Controls 2 independent heating circuits

Alarm relay with change over contact to signal power, temperature or communication problems

Ambient temperature monitoring with high and low temperature alarm

Offsite configurable - can be set up prior to final installation

DIN rail panel mountable

The Elexant 650c-Modbus is equipped with a RS485 port for Modbus communication to a BMS system which can be used for configuration, monitoring and alarm purposes

Ice rain feature - preheating the surface to prevent the issue of freezing rain (for surface snow melting application only)

## SPECIFICATIONS

Table 1/3

| Catalog Number | Item Name           | Alarm Relay | Communication | Communication s Protocol | Depth  | Hazardous Area |
|----------------|---------------------|-------------|---------------|--------------------------|--------|----------------|
| 1244-022835    | Elexant 650c-Modbus | Yes         | Yes           | Modbus RTU               | 155 mm | No             |

Table 2/3

| Catalog Number | Item Name           | Height | IP Rating | Mounting | Output Relay      | Sensor Type |
|----------------|---------------------|--------|-----------|----------|-------------------|-------------|
| 1244-022835    | Elexant 650c-Modbus | 110 mm | IP20      | DIN Rail | 2 x 4 A @ 230 VAC | NTC         |

Table 3/3

| Catalog Number | Item Name           | Supply Voltage | Temperature Control Range | Width |
|----------------|---------------------|----------------|---------------------------|-------|
| 1244-022835    | Elexant 650c-Modbus | 230 – 253 V    | -20 to 30 °C              | 55 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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