

# 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	Communications 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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