

nVent 4010i-MOD Elexant 4010i Replacement Control Module



# nVent 4010i-MOD Elexant 4010i Replacement Control Module User Guide

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**nVent 4010i-MOD Elexant 4010i Replacement Control Module**



## Product Information

### Specifications

- Current Alarm: Yes
- Autocycle Ground Fault Alarm: Yes
- Ethernet: Yes
- Max Power Supply Input: N/A
- Wire Size Max Heating Cable Output: N/A
- Wire Size Control Max Current: N/A
- Max Ground Terminal Wire Size: N/A
- Voltage Alarm Control Max Voltage: N/A
- Relative Humidity: N/A
- Communication Protocol: N/A
- Control Relay Type: N/A
- Communication Control Algorithms: N/A
- RS-485 Cable Type: N/A
- Temperature Control Range: N/A
- Temperature Alarm Operating Temperature: N/A

### Features

- Simple to install
- Reliable during long life
- 2 year product warranty available

## **Product Usage Instructions**

### **Installation**

1. Ensure the power supply is turned off before installation.
2. Locate the existing Elexant 4010i heat tracing controller module.
3. Disconnect any power supply cables connected to the module.
4. Carefully remove the old module from its mounting position.
5. Insert the ELEXANT 4010i-MOD replacement module into the mounting position.
6. Secure the module in place using the appropriate mounting hardware.
7. Reconnect the power supply cables to the new module.
8. Turn on the power supply and verify proper functionality.

### **Warnings**

It is important to follow these warnings to ensure safe usage of the product:

- nVent products should only be installed and used as indicated in nVent's product instruction sheets and training materials.
- Improper installation, misuse, misapplication, or failure to follow nVent's instructions and warnings may result in product malfunction, property damage, serious bodily injury, and death.
- Make sure to read and understand the instruction sheets available at [www.nvent.com](http://www.nvent.com) or from your nVent customer service representative.

### **FAQ**

- Q: Where can I find the instruction sheets for nVent products?
- A: Instruction sheets for nVent products can be found at [www.nvent.com](http://www.nvent.com) or obtained from your nVent customer service representative.
- Q: What should I do if I experience a product malfunction?
- A: In case of product malfunction, please contact nVent customer service representative for assistance.
- Q: What is the warranty period for the ELEXANT 4010i-MOD replacement module?
- A: The ELEXANT 4010i-MOD replacement module comes with a 2-year product warranty.
- Q: What regions does nVent provide customer support for?
- A: nVent provides customer support in North America, Europe, Middle East, Africa, Asia Pacific, and Latin America. Please refer to the contact information provided in the user manual for specific contact details.

## **FEATURES**

### **Simple to install**

Reliable during long life: 2 year product warranty available

nVent RAYCHEM ELEXANT 4010i-MOD is a replacement module for the Elexant 4010i heat tracing controller.

## SPECIFICATIONS

**Current Alarm:** 0.1 – 100 A

- **Autocycle:** 1 – 750 h
- **Ground Fault Alarm:** 10 – 500 mA
- **Ethernet:** 10/100 Base-T
- **Max Power Supply Input Wire Size:** 16.8 mm<sup>2</sup>
- **Max Heating Cable Output Wire Size:** 16.8 mm<sup>2</sup>
- **Control Max Current:** 32A @ 40°C, De-Rated to 24A @ 50°C and Further De-Rated to 16A @ 60°C
- **Max Ground Terminal Wire Size:** 33.6 mm<sup>2</sup>
- **Voltage Alarm:** 80 – 300 V
- **Control Max Voltage:** 277 VAC Nominal, 50/60Hz
- **Relative Humidity:** 0% to 90%, Noncondensating
- **Communication Protocol:** Modbus RTU; Modbus/TCP; DHCP
- **Control Relay Type:** Double-Pole, Solid-State; Double-Pole, Mechanical
- **Communication:** RS-485; Ethernet
- **Control Algorithms:** On/Off, Proportional, PASC, Always On, Always Off
- **RS-485 Cable Type:** One 2-Wire, Shielded Twisted Pair
- **Temperature Control Range:** –200 to 700 °C
- **Temperature Alarm:** –200 to 700 °C
- **Operating Temperature:** –40 to 60 °C

Catalog Number	Item Name
10380-015	4010i-MOD
10380-016	4010i-MOD-IS

## 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.

## Contact Information

### North America

- Tel +1.800.545.6258
- Fax +1.800.527.5703
- [thermal.info@nvent.com](mailto:thermal.info@nvent.com)

## Europe, Middle East, Africa

- Tel +32.16.213.511
- Fax +32.16.213.604
- [thermal.info@nvent.com](mailto:thermal.info@nvent.com)

## Asia Pacific

- Tel +86.21.2412.1688
- Fax +86.21.5426.3167
- [cn.thermal.info@nvent.com](mailto:cn.thermal.info@nvent.com)

## Latin America

- Tel +1.713.868.4800
- Fax +1.713.868.2333
- [thermal.info@nvent.com](mailto:thermal.info@nvent.com)

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## Documents / Resources

	<p><a href="#">nVent 4010i-MOD Elexant 4010i Replacement Control Module</a> [pdf] User Guide 4010i-MOD Elexant 4010i Replacement Control Module, 4010i-MOD, Elexant 4010i Replacement Control Module, 4010i Replacement Control Module, Replacement Control Module, Control Module</p>
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## References

-  [Building a more Sustainable and Electrified World | nVent](#)
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- [User Manual](#)

