

Elexant 4020i Control Module



nVent RAYCHEM ELEXANT 4020i-MOD is a set of replacement modules for the Elexant 4020i heat tracing controller.

FEATURES

Available with intrinsically safe barrier and limiter.

Simple to install

Reliable during long life: 2 year product warranty available

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 ²
Max Heating Cable Output Wire Size:	16.8 mm ²
Max Ground Terminal Wire Size:	16.8 mm ²
Control Max Current:	63A @ 40°C
Voltage Alarm:	80 – 300 V
Control Max Voltage:	690 VAC Nominal, 50/60Hz
Relative Humidity:	0% to 90%, Noncondensating
Control Relay Type:	Double-Pole, Solid-State; Double-Pole, Mechanical
Communication:	RS-485; Ethernet
Control Algorithms:	On/Off, Proportional, PASC, Always On, Always Off
Temperature Control Range:	–200 to 700 °C
Temperature Alarm:	–200 to 700 °C
Operating Temperature:	–40 to 70 °C

Table 1/1

Catalog Number	Item Name	Communication Protocol	RS-485 Cable Type	Safety Limiter	Intrinsically Safe Barriers on RTD Inputs
10380-020	4020i-MOD	Modbus RTU, Modbus/TCP	One 2-Wire, Shielded Twisted Pair	No	No
10380-021	4020i-MOD-IS	Modbus RTU, Modbus/TCP	One 2-Wire, Shielded Twisted Pair	No	Yes
10380-022	4020i-MOD-IS-LIM	Modbus RTU, Modbus/TCP	2-Wire One Shielded Twisted Pair	One Dedicated Temperature Input	Yes
10380-024	4020i-MOD-3P-IS	Modbus RTU, Modbus/TCP	2-Wire One Shielded Twisted Pair	No	Yes
10380-025	4020i-MOD-IS-PRF	Modbus RTU, Modbus/TCP, PROFIBUS	2-Wire One Shielded Twisted Pair	No	Yes
10380-026	4020i-MOD-IS-LIM-PRF	Modbus RTU, Modbus/TCP, PROFIBUS	2-Wire One Shielded Twisted Pair	One Dedicated Temperature Input	Yes
10380-027	4020i-MOD-3P-IS-PRF	Modbus RTU, Modbus/TCP, PROFIBUS	2-Wire One Shielded Twisted Pair	No	Yes

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 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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