

EXERGEN IRT/C AND TEMPERATURE CONTROLLER NOVUS N1030IR

Product Overview

Novus N1030IR is a temperature controller that features a high performance PID algorithm in a compact housing, with only 35 mm depth. Its compact construction and the convenient detachable connector provides an easy set up on short profile panels, optimizing the space and reducing costs. It has two outputs always available which can be configured both as a control or an alarm output.



Features

- Single Loop PID and ON/OFF controller
- PID auto tuning
- Two independent outputs available
- 1.5 A relay output
- Pulse output
- Six alarm functions: LO, HI, differential, differential LO, differential HI, sensor break
- Initial blocking alarm function
- Adjustable alarm hysteresis
- Temperature unit °C or °F
- Decimal place indication

- Configurable setpoints limits
- Password protection configuration
- Factory configuration parameters recovery
- Dual red and green four-digit display
- Front panel material PC UL94 V-2
- Enclosure material: PC UL94 V-2
- Front panel protection: IP65
- Operating environment: 0 to 50 °C, 20 to 80 % RH
- Dimensions: 48 x 48 x 35 mm
- Power supply: 100 to 240 Vac/dc
- Detachable terminal block

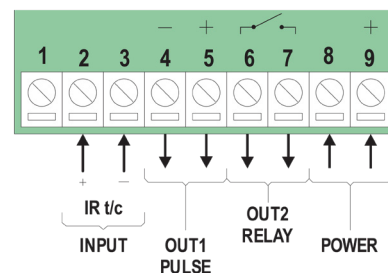
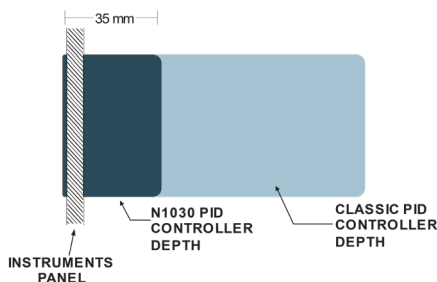
The Novus N1030IR is compatible with all Exergen IRT/c models in the following temperature ranges. Please select model and temperature range of interest.

Micro IRT/c sensor model	Sensing range	Recommended operating range
Micro IRT/c*-K-80F/27C	-18°C to 524°C (0°F to 975°F)	4°C to 48°C (40°F to 118°F)
Micro IRT/c*-K-180F/90C	-18°C to 524°C (0°F to 975°F)	77°C to 104°C (170°F to 220°F)
Micro IRT/c*-K-280F/140C	-18°C to 524°C (0°F to 975°F)	132°C to 154°C (270°F to 310°F)
Micro IRT/c*-K-340F/170C	-18°C to 524°C (0°F to 975°F)	166°C to 188°C (330°F to 370°F)
Micro IRT/c*-K-440F/220C	-18°C to 524°C (0°F to 975°F)	213°C to 241°C (415°F to 465°F)

* applying for all Micro IRT/c sensor models (e.g. 4, SV, 45V)

IRT/c sensor model	Sensing range	Recommended operating range
IRT/c**-K-80F/27C	-45°C to 650°C (-50°F to 1200°F)	0°C to 50°C (32°F to 120°F)
IRT/c**-K-180F/90C	-45°C to 650°C (-50°F to 1200°F)	60°C to 105°C (140°F to 220°F)
IRT/c**-K-280F/140C	-45°C to 650°C (-50°F to 1200°F)	115°C to 165°C (240°F to 330°F)
IRT/c**-K-340F/170C	-45°C to 650°C (-50°F to 1200°F)	140°C to 190°C (280°F to 370°F)
IRT/c**-K-440F/220C	-45°C to 650°C (-50°F to 1200°F)	160°C to 260°C (320°F to 500°F)

** applying for all IRT/c sensor models (e.g. 01, 3X, 5)



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Specifications subject to change without notice

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