

NTC 650 SERIES TEMPERATURE CONTROLLER WITH LCD

Programmable Modulating

NENUTEC[®]

INNOVATIVE MEMBER OF SWISSTECH

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NTC 650 SERIES

NTC 650 series feature a 3-wire floating (incremental) or a 0-10 VDC control output and come with an Liquid Crystal Display. The controllers are designed for use in 2-pipe or 4 Pipe air handling units, and a variety of heating and cooling applications controlled by water valves and damper actuator.

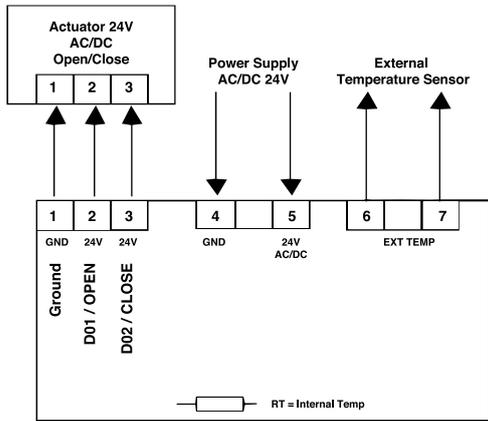
PRODUCT FEATURE

- Aesthetic Design with LCD
- 3 Point floating or Modulating
- 0 - 10Vdc for Modulating
- Internal NTC thermistor Sensor
- Can be use with External Duct Sensor and NTS Series (Optional)
- User Programmable
- Low and High Set Point Limitation
- Celsius or Fahrenheit Selectable

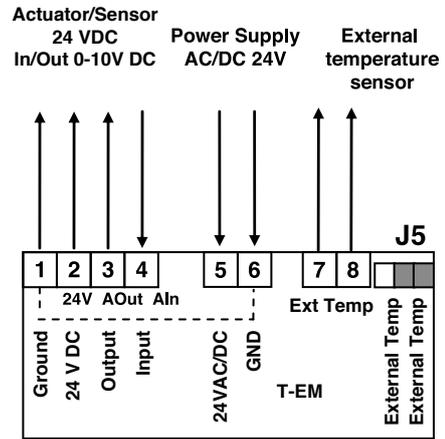
TECHNICAL SPECIFICATION

| MODEL NUMBER | NTC 651 | 3 Point Floating Control Single Output, Cooling Only or Heating Only, 2-pipe System |
|------------------------------|-------------------------------------|---|
| | NTC 652 | 0 - 10Vdc Modulating Control Single Output, Cooling Only or Heating Only, 2-pipe System |
| POWER SUPPLY | AC 24V | |
| SET POINT TEMPERATURE RANGE | 10 to 35°C | |
| ADJUSTABLE PROPORTIONAL BAND | 0 - 4K | |
| SENSOR ELEMENT | NTC Thermistor 10K Ω at 25°C | |
| BODY MATERIAL | Self-extinguishing, Molded ABS | |
| FINISH | Off White Color | |
| IP PROTECTION | IP30 | |
| AMBIENT TEMPERATURE | -20°...50° as per IEC721-3-3 | |
| AMBIENT HUMIDITY | 5...95% rH (non Condensing) | |
| INVENTORY TEMPERATURE | +70°C as per IEC 721-3-2 | |
| CERTIFICATION | CE and ISO 9000 (EN...requirements) | |

WIRING DIAGRAM

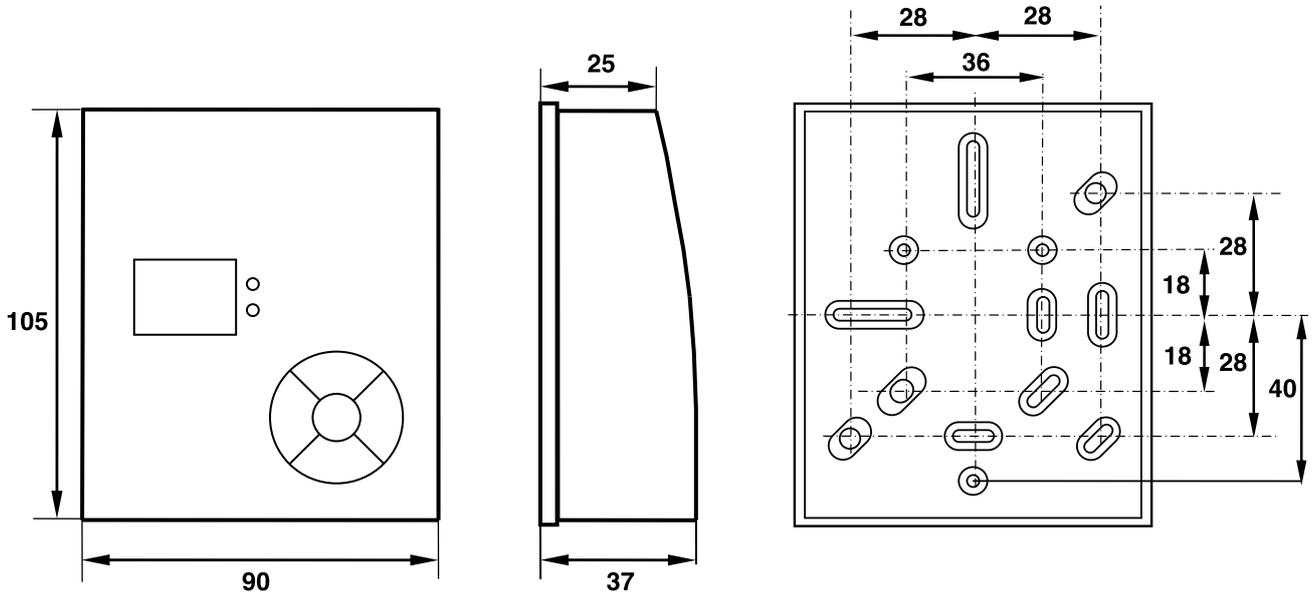


NTC 651 - 3 Point Floating / Proportional Controls



NTC 652 - 0 - 10Vdc Proportional Controls

DIMENSION (mm)



APPLICATION OVERVIEW

The NTC 650 Programmable Temperature Controller feature both 3 Point Floating Controls and 0 - 10Vdc Modulating. The Temperature Controller can be ordered with NENUTEC Valve Actuator NVC/ NAV... and NTS external Duct Sensor for a complete HVAC solution.

The performance specifications are nominal and conform to acceptable industry standards. NENUTEC shall not be liable for damages resulting from misapplication or misuse of its products.