INTRODUCTION

N322T is a heating or cooling temperature controller, with a timer-controlled outlet for forced defrosting or programmed liquid agitation. It includes inlets for NTC, Pt100, or Pt1000 thermistor type temperature sensors, or for **J/K/T** type thermopairs, including sensor offset correction capabilities.

Each sensor type has a specific temperature measuring range that should be observed by the user.

The controller includes one control outlet (Output1) and one timer outlet (Output2).

CE (European Union) and UL (United States and Canada) certifications compliant.

FEATURES & SPECIFICATIONS

- One control outlet with a SPDT relay, 1HP(16A resistive)/250Vac and one timer-controlled outlet with a SPST relay, 3A (5A resistive)/250 Vac
- LED indicators 3 ½ digits
- Sensor offset adjustment
- Adjustable hysteresis
- Minimum and maximum range for configurable setpoints
- Configuration is maintained even with energy failures
- Configurable password for configuration lock
- Long life silicone keys
- Front-panel with IP65 protecton
- Range of Measurement Temperature:
  - NTC: -50 to 120 °C (-58 to 248 °F)
  - Pt100: -50 to 300 °C (-58 to 572 °F)
  - Pt1000: -200 to 530 °C (-328 to 986 °F)
  - Keypad-selectable thermocouples:
    J Thermocouple 0 to 600 °C (32 to 1112 °F)
    K Thermocouple -50 to 1000 °C (-58 to 1832 °F)
    T Thermocouple -50 to 400 °C (-58 to 752 °F)
- Accuracy:
  - NTC: 0.6 °C (1.08 °F)
  - Pt100 and Pt1000: 0.7 °C (1.26 °F)
  - Thermocouple: 3 °C (5.4 °F)
- Resolution: 0.1°C or 0.1 °F ranging from -19.9 to 199.9 °C/°F
- Sampling: 1.5 times per second
- Power supply: 100 to 240 Vac /dc ±10%
- Frequency: 50~60 Hz
- Consumption: 5 VA
- Dimensions: 75 x 33 x 2.95 mm
- Panel cutout: 70 x 29 mm
- Weight: 120 g
- Operating temperature: 0 to 40 °C (32 to 104 °F)
- Storage temperature: -20 to 60 °C (-4 to 140 °F)

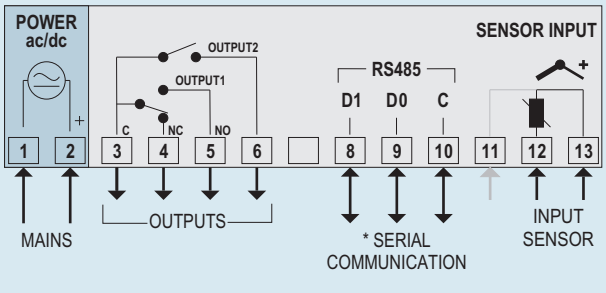
OPTIONAL

- RS485 interface with Modbus RTU protocol
- Power supply: 12 to 24 Vcc

APPLICATION

- Milk coolers

ELECTRICAL CONNECTIONS



HOW TO SPECIFY

MODEL: **N322T - A - B - C**, where:

A: Sensor:	**NTC** or **Pt100** or **Pt1000** or **J/K/T** (Thermocouples)
B: Communication:	**Blank** or **485** (RS485, RTU Modbus Protocol)
C: Power supply:	**Blank** (100-240 Vac/dc) or **24V** (24 Vac/dc)