

ELECTRONIC THERMOSTATS

N320



The **N320** electronic thermometers are used to indicate temperature with high degree of accuracy. It is provided with a convenient built-in full range high efficiency switching mode power supply.

- Sensors: NTC thermistor (-50 to 120°C), Pt100 (-50 to 300°C), Pt1000 (-200 to 530°C) or J thermocouple (0 to 600°C).
- Accuracy: 0.6°C (NTC), 0.7°C (Pt100 and Pt1000) 3°C (thermocouple).
- IP65 front panel with silicone rubber keys.
- Display: 3 LED digits, 13mm height.
- Resolution: 0.1 from -19.9 to 99.9°C
- Sampling: 1.5 per second.
- Control relay: 10A, SPDT, 250 Vac.
- Adjustable hysteresis.
- Sampling: 1.5 per second.
- Working temperature: 0 to +50°C
- Internal power supply: 85 to 250 Vac.
- Enclosure: flame retardant ABS.
- Dimensions: 74x32x58mm.

OPTIONS:

- RS485 interface with Modbus protocol.
- Power supply: 12 to 24 Vdc/ac.

N321



The **N321** thermostats can be programmed for heating or cooling action and have timed delay function for compressors.

- Sensors: NTC thermistor, Pt100, Pt1000 or J type thermocouple.
- Control relay: SPDT, 10 A / 250 Vac.
- Internal power supply: 85 to 250 Vac.
- IP65 front panel with silicone rubber keys.
- Resolution: 0.1 from -19.9 to 99.9°C
- Accuracy: ± 0.6°C for NTC, ± 0.7°C for RTD and ± 3°C for thermocouple.
- Adjustable hysteresis.
- Sampling: 1.5 per second.
- Working temperature: 0 to +50°C.
- Dimensions: 74x32x58mm.

OPTIONS:

- RS485 interface with Modbus protocol.
- Power supply: 12 to 24 Vdc/ac.

N321R



N321R performs automatic defrost cycles by stopping the compressor at programmed intervals or manually via its keypad. The temperature readout is held static during defrost and the compressor relay has a delay action at energy start up.

- Sensors: NTC thermistor, Pt100 or Pt1000.
- Control relay: SPDT, 10 A / 250 Vac.
- Internal power supply: 85 to 250 Vac.
- IP65 front panel with silicone rubber keys.
- Resolution: 0.1 from -19.9 to 199.9°C
- Accuracy: ± 0.6°C for NTC, ± 0.7°C for RTD and ± 3°C for thermocouple.
- Adjustable hysteresis.
- Sampling: 1.5 per second.
- Working temperature: 0 to +50°C.
- Dimensions: 74x32x58mm.

OPTIONS:

- RS485 interface with Modbus protocol.
- Power supply: 12 to 24 Vdc/ac.

N322



N322 has 2 control relays with independent setpoints used for heating and cooling. The second relay can be relative to the first one.

- Sensors: NTC thermistor, Pt100, Pt1000 or J type thermocouple, RH.
- Control relay: SPDT, 10 A / 250 Vac.
- Timer relay: SPST, 3 A / 250 Vac (N322T).
- Internal power supply: 85 to 250 Vac.
- IP65 front panel with silicone rubber keys.
- Resolution: 0.1 from -19.9 to 199.9°C
- Accuracy: ± 0.6°C for NTC, ± 0.7°C for RTD and ± 3°C for thermocouple.
- Adjustable hysteresis.
- Sampling: 1.5 per second.
- Working temperature: 0 to +50°C.
- Dimensions: 74x32x58mm.

OPTIONS:

- RS485 interface with Modbus protocol.
- Power supply: 12 to 24 Vdc/ac.

N322T



N322T finds applications in heating and cooling processes with built-in timer functions for forced defrost periods or other timed or interval related actions.

- Sensors: NTC thermistor, Pt100, Pt1000 or J type thermocouple.
- Control relay: SPDT, 10 A / 250 Vac.
- Timer relay: SPST, 3 A / 250 Vac.
- Internal power supply: 85 to 250 Vac.
- IP65 front panel with silicone rubber keys.
- Resolution: 0.1 from -19.9 to 199.9°C
- Accuracy: ± 0.6°C for NTC, ± 0.7°C for RTD and ± 3°C for thermocouple.
- Adjustable hysteresis.
- Sampling: 1.5 per second.
- Working temperature: 0 to +50°C.
- Dimensions: 74x32x58mm.

OPTIONS:

- RS485 interface with Modbus protocol.
- Power supply: 12 to 24 Vdc/ac.

Features and technical specifications are subject to change

