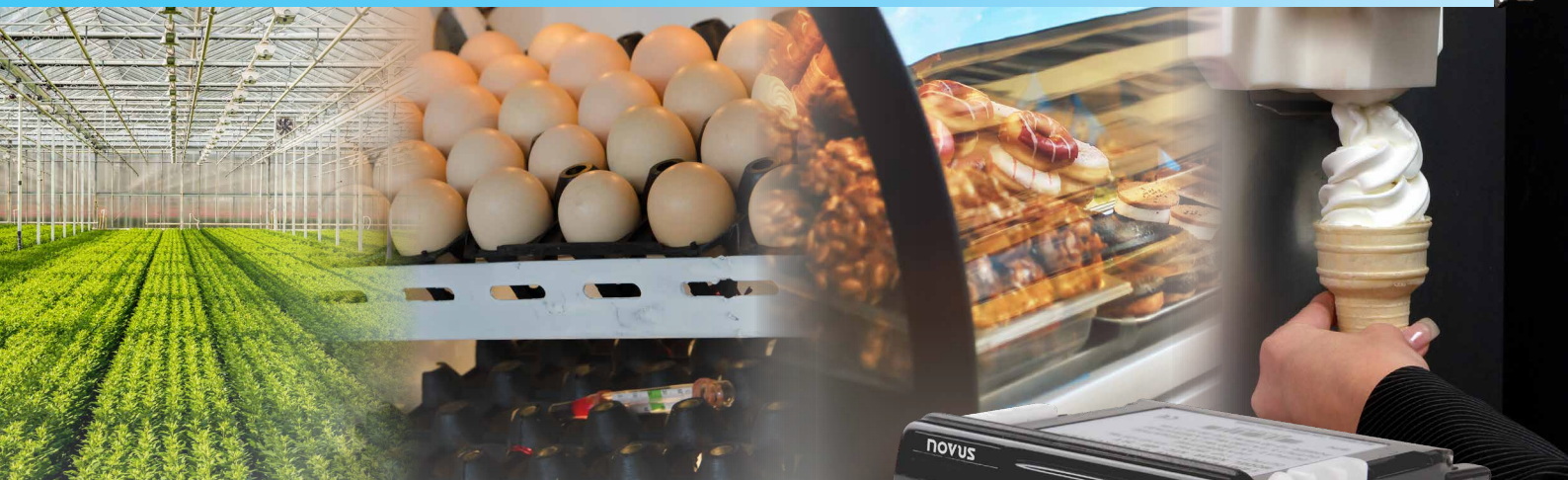


Electronic Thermostats



GENERAL COOLING / HEATING



- Control with alarm or multiple stages control
- Direct switching of compressor or electrical heater
- Programmable delay on powerup to prevent simultaneous loads
- Alarm functions such as low, high and differential
- Accepts sensors NTC, Pt100 and thermocouples J, K, T

MODELS

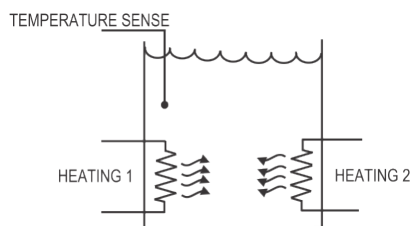
N321: one control relay output, low cost version

N322: two outputs (control and alarm or second control)

N323: three outputs (control and 2 alarms or three control stages)

TYPICAL APPLICATIONS:

Chambers and Ovens, Food Industry, Commercial Fridges.



REFRIGERATION THERMOSTAT WITH DEFROST



- Refrigeration control with automatic defrost
- Defrost by compressor stop, resistance heating or reverse cycle
- Programmable defrost cycle interval and durations
- Keeps indication during defrosting cycle
- Programmable delay on powerup to prevent simultaneous loads
- Control relay can directly switch compressor up to 1 hp

MODELS

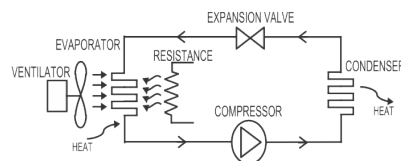
N321R: one output for compressor, accepts sensor type NTC, Pt100 and optional voltage protection for compressor

N323R: three outputs (compressor, defrost and fan), monitors 2 NTC sensors (chamber and evaporator)

N323TR: similar to N323R plus real time clock for scheduling defrost events, with weekly agenda

TYPICAL APPLICATIONS:

Cooling Counters, Air Conditioning Systems.





- Solar heating applications
- Operates based on temperature difference between solar collector and storage tank
- Uses 2 NTC-type sensors (Included)
- Control relay output switches the water circulation pump
- Protection against pipeline overheating or freezing

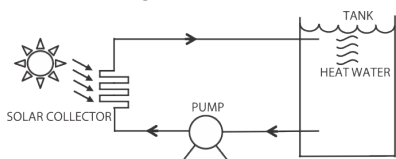
MODELS

N321S: one output for water circulation pump

N322S: two outputs (circulation pump and booster water heating control)

TYPICAL APPLICATIONS:

Thermal Tanks, Pool Heating, Boilers.



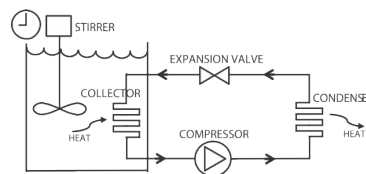
- Suitable to processes with cyclic operation requirements
- Timer for forced cyclic defrost or liquid stirring
- Accepts NTC, Pt100 and thermocouples J, K and T sensors
- Programmable delay on powerup to prevent simultaneous loads
- Control relay can directly switch compressor up to 1 hp
- Optional: Audible alarm and voltage protection for compressor

MODELS

N322T: two outputs (control and defrost or timed output)

TYPICAL APPLICATIONS:

Milk Refrigerator, Ice Cream Machines.



- Environment control, shows temperature and humidity
- Configurable interval between indications
- Control relay can directly switch compressor up to 1 hp
- Temperature control: heating or refrigeration
- Humidity control: humidification or dehumidification
- Integrated RHT probe (not included)

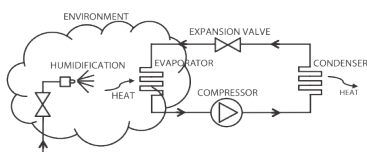
MODELS

N322RHT: two relay outputs (control or alarm)

N323RHT: three relay outputs (control, alarm or timer)

TYPICAL APPLICATIONS:

Climate Chambers,
Textile Processing,
Environment Control.



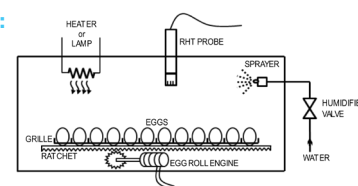
- Egg incubator humidity and temperature control (heating and humidification or refrigeration and deshumidification)
- Cycle timing control for egg rolling
- Configurable interval between temperature and humidity indications
- Integrated RHT probe (included)

MODELS

N323RHT (EI): three outputs (humidification, heating and egg rolling)

TYPICAL APPLICATIONS:

Egg Incubators

[illegible]