Thermostat **N321/N321R**

Specification

Characteristic

– 3,5 digit LED display
– sensor offset adjustment
– hysteresis adjustment
– minimum time adjustment for turning on/off
– defrost function (N321R)
– MODBUS RTU Protocol
– front panel: IP65

Input

– thermistor: NTC 10kΩ@25ºC
– RTD: Pt100, Pt1000
– TC: J, K, T

Accuracy

±0,6ºC: for NTC
±0,7ºC: for Pt100, Pt1000
±3ºC: for J, K, T

Output

– relay: 10A/240V AC
– SSR: 5VDC 25mA max.

Power supply

230V AC, 24V DC / AC ±10%

Operating conditions

– temperature: 0÷40ºC
– humidity: 20÷85% RH non-condensing

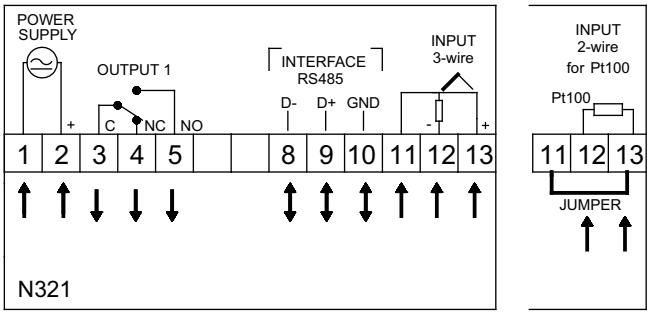
Dimensions [mm]

75 × 33 × 75; cut-out 70 × 29

Additional features

– RS485 interface

SCHEME OF CONNECTIONS



Ordering code

Thermostat N321/N321R – ☐ – ☐ – ☐ – ☐

Power supply: 90÷250V AC: **4**
12÷24V AC/DC: **5**
Input Pt100: **1**
J, K, T: **3** (only N321)
NTC: **4** (only N321R)
Output relay: **1**
SSR: **2** (only N321)
Communication: without: **0**
RS485: **1**

Ordering example: **Thermostat N321–4–2–0**

W

NKM GROUP - official representative of Limatherm Sensor
Ukraine, Zaporizhia,
Northern Highway, 12
nkm-limatherm.com.ua

Tel.: +38 098 654 25 94
+38 067 668 45 47
e-mail Limatherm.NKM@gmail.com

Thermostat **N322/N322T/N322RHT**

Specification

Characteristic

– 3,5 digit LED display
– sensor offset adjustment
– independent temperature value for each output
– 2 control outputs (insulated as an option)
– independent hysteresis adjustment for each output
– independent adjustment of the minimum time for turning each output on or off
– possibility to turn the second output on with delay in respect to the first output
– timer function (N322T)
– temperature and humidity measurement (N322RHT)
– MODBUS RTU Protocol
– front panel: IP65

Input

– thermistor: NTC 10kΩ@25ºC
– RTD: Pt100, Pt1000
– TC: J, K, T

Accuracy

±0,6ºC: for NTC
±0,7ºC: for Pt100, Pt1000
±3ºC: for J, K, T

Output I

– relay: 8A/240V AC

Output II

– relay: 3A/240V AC

Power supply

230V AC, 24V DC / AC ±10%

Operating conditions

– temperature: 0÷40ºC
– humidity: 20÷85% RH non-condensing

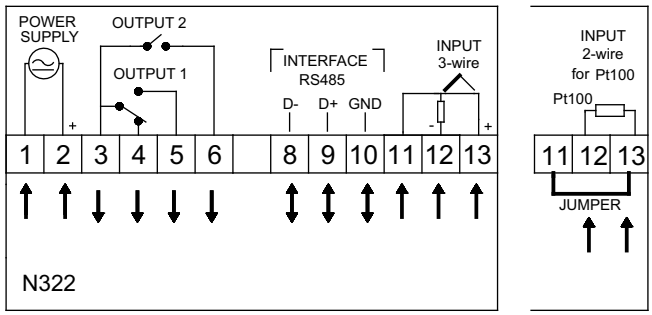
Dimensions [mm]

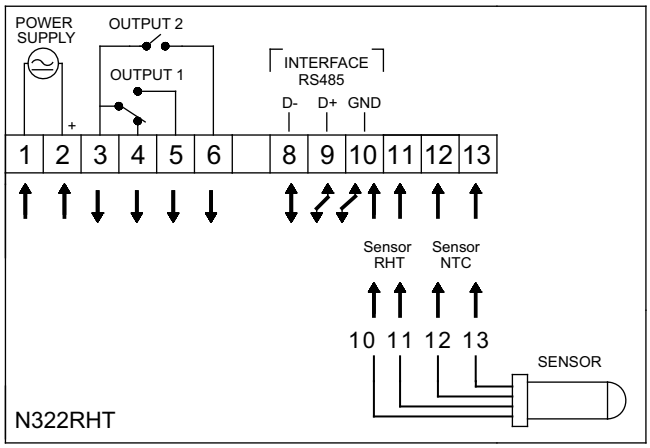
75 × 33 × 75; cut-out 70 × 29

Additional features

– RS485 interface

SCHEME OF CONNECTIONS





Ordering code

Thermostat N322/N321T/N322RHT – ☐ – ☐ – ☐

Power supply: 90÷250V AC: **4**
12÷24V AC/DC: **5**
Input Pt100: **1** (only N322/N322T)
PT1000: **2** (only N322/N322T)
J, K, T: **3** (only N322)
NTC: **4** (only N322/N322T)
NTC/RHT: **5** (only N322RHT)
Communication: without: **0**
RS485: **1**

Ordering example: **Thermostat N322–4–2–0**

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Ukraine, Zaporizhia,
Northern Highway, 12
nkm-limatherm.com.ua

Tel.: +38 098 654 25 94
+38 067 668 45 47
e-mail Limatherm.NKM@gmail.com

Thermostat **N323/N323R/N323RHT**

Specification

Characteristic

– 3,5 digit LED display
– sensor offset adjustment
– independent temperature value for each output
– 3 control outputs
– independent hysteresis adjustment for each output
– independent adjustment of the minimum time for turning each output on or off
– possibility to turn the second output on with delay in respect to the first output
– defrost function (N323R)
– temperature and humidity measurement (N323RHT)
– MODBUS RTU protocol

Input

– thermistor: NTC 10kΩ@25ºC
– RTD: Pt100, Pt1000
– TC: J, K, T

Accuracy

±0,6ºC: for NTC
±0,7ºC: for Pt100, Pt1000
±3ºC: for J, K, T

Output I

– relay: 10A/230V AC

Output II

– relay: 3A/240V AC

Output III

– relay: 3A/240V AC

Power supply

230V AC, 24V DC / AC ±10%

Operating conditions

– temperature: 5÷50ºC
– humidity: 20÷85% RH non-condensing

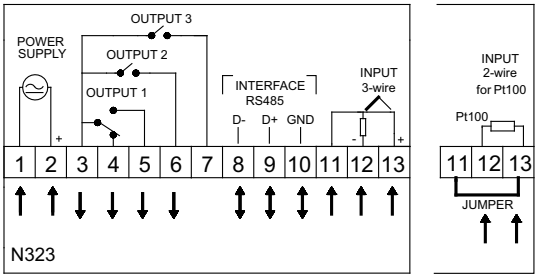
Dimensions [mm]

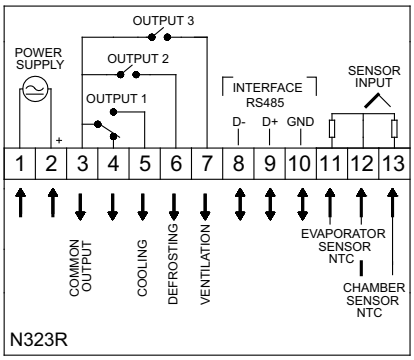
75 × 33 × 75; cut-out 70x29

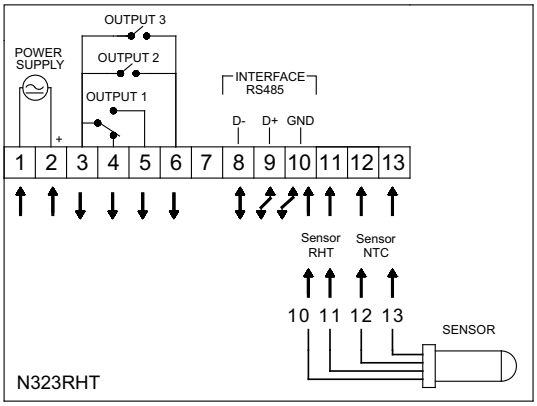
Additional features

– RS485 interface

SCHEME OF CONNECTIONS







Ordering code

Thermostat **N323/N323R/N323RHT** – ☐ – ☐ – ☐

Power supply: 90÷250V AC: **4**
12÷24V AC/DC: **5**
Input: Pt100: **1** (only N323)
PT1000: **2** (only N323)
J, K, T: **3** (only N323)
NTC: **4**
NTC/RHT: **5** (only N323RHT)
Communication: without: **0**
RS485: **1**

*N323R available only with NTC sensor

Ordering example: **Thermostat N323R–4–4–0**

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