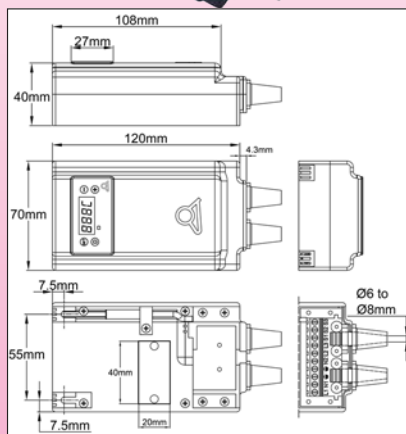
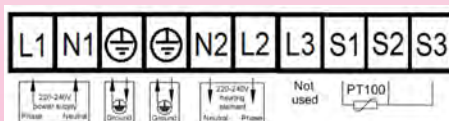


Antifreeze adjustable electronic temperature controller, digital display, protected sensing element, IP54 housing



Enclosure: Light cream color PC-ABS (RAL1010), small footprint, can be hand held or wall mounted
Ingress protection rating: IP54 (IEC 60529)
Mechanical impact resistance: IK05 (EN 62262) with display protected by plastic window
Flammability: UL94-V0
Electrical connection: on a closed screw terminals connection block cavity located backside, for wires gauge up to 2.5 mm². Cables are secured by a saddle retainer, and grommets. Ground, neutral and phase can be connected in input and output.
Electrical inlet and outlet: throw grommets for cables dia 6 to 8 mm. Over-molded cables available on request (MOQ applies)
Adjustment: by up, down and set keys
Display: selectable in °C or °F (3 digits)
Power supply: 90-250VAC, 50 or 60Hz
Temperature sensor: Pt100 RTD, located backside, in a vented and protected cavity
Temperature control action: ON-OFF or PID with auto-tune function
Differential: adjustable when ON-OFF action is selected
Mounting: Wall mounting, for screws dia 4 to 6 mm, 55 mm distance
Identification: Location backside for 20 x 40 mm identification label, adhesive or riveted
Electrical contact: SPST, 16A 250V. Open on rise or close on rise action can be selected
Wiring diagram:

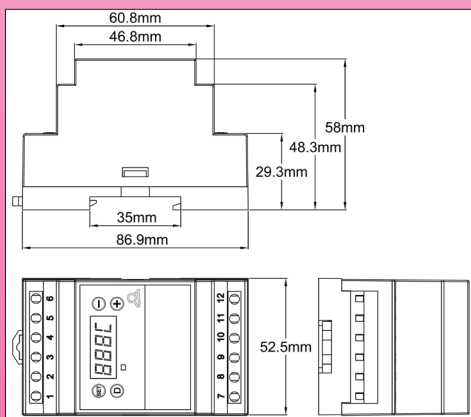
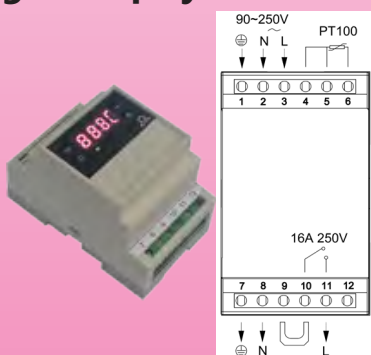


Temperature range	Reference *
-29,9+49,9°C	Y5EQ9AA0000NUDF2

* This product is also produced with remote sensor and temperature ranges up to 999°C, Pt100 or thermocouple input

For more information about this product, ask for Y1-Y5 range catalogue

Digital display electronic controller for freezing control, Din Rail mounting, ON-OFF.



This electronic temperature controller with the simplest and instinctive end user setting, was designed for simple incorporation inside cabinets with DIN rail mounting, and to be used by not highly trained operators.

It provides °C or °F display, On Off action with adjustable temperature differential, and heating or cooling relay output setting.

Dimensions: 86.9 x 58 x 52.5 mm

Display: 3+1 digit LED. The fourth digit is used to display °C or °F, upon setting made.

Set point setting: In normal use, the display shows measured temperature. Push "Set" key will display the set point value, at that time it can be adjusted with "+" and "-" keys. Push "set" again or no action during 5 seconds will register the new set point value and bring back display to measured value.

Temperature differential setting: In normal use, the display shows measured temperature. Push "D" key will display the differential value, at that time it can be adjusted with "+" and "-" keys. Push "D" again or no action during 5 seconds will register the new differential value and bring back display to measured value.

Action: On-Off

Temperature sensor: Pt100 2 or 3 wires

Accuracy: +/-1% of scale

Temperature adjustment range: -30, 0 to +40, 0°C (-20,0 + 99.9°F)

Other temperature range available: -30+400°C

Power supply: 90 to 240V, 50Hz or 60Hz

Relay output: SPNO, 16A250V res., 100000 cycles.

Relay action: Heating or cooling, open or close on temperature rise output relay action can be selected by a dip switch on circuit (Needs to open the housing)

°C or °F display: can be selected by a dip switch on circuit (Needs to open the housing by the installer)

Ambiant: -20+50°C, 10-85% RH

Power: <2W

Fail safe safety:

- If no power supply, relay output contact will open
- If Pt100 sensor is broken or not connected properly, relay output contact will open and display will show "EEE"
- If measured temperature is higher than 40,0°C or 99,9°F, display will show HHH
- If measured temperature is lower than -30,0°C or -20,0°F, display will show LLL

Electrical connections:

- Power input: Neutral, phase, ground, with 2.5 mm² terminals
- Power output: Neutral, phase, ground, with 2.5 mm² terminals for direct connection to the load.
- Temperature sensor: three 2.5 mm² screw terminals

One removable jumper provides a potential free relay output for applications needing a separate circuit for relay, external timer or other.

Standards: Complies with EMC (CE), ROHS and Reach

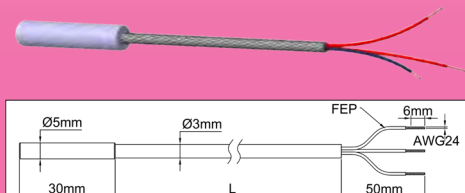
Temperature controller reference	2DNAP6F0-4005000
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Pt100 Temperature sensor

Must be ordered separately, not included in the temperature controller

Reference with L= 2M and stainless steel probe	TSR50030I2000BK6
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Other Pt100 are available, see page 51



Because of permanent improvement of our products, drawings, descriptions, features used on these data sheets are for guidance only and can be modified without prior advice

