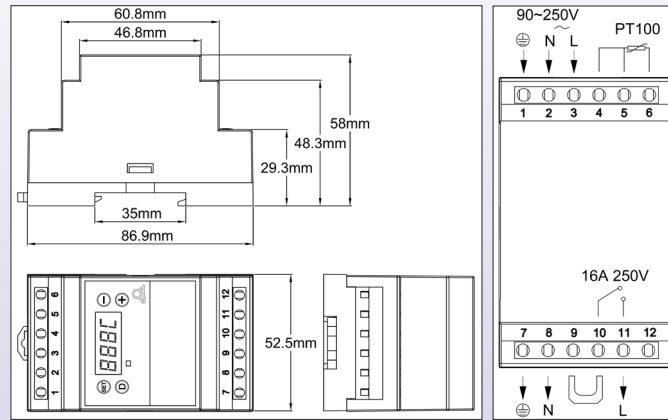


## Digital display electronic controller, Din Rail mounting, ON-OFF, Type: 2DNAP6F0



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 the 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 the measured value.

**Temperature differential setting:** In normal use, the display shows the measured value. 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 the measured value.

**Action:** On-OFF

**Temperature sensor:** Pt100 2 or 3 wires

**Accuracy:** +/-1% of scale

**Temperature adjustment ranges:**

-30, 0 to +40, 0°C (-20,0 + 99.9°F), with 1/10° display

-30+400°C (-20+750°F), with 1° display

Temperature range can be selected by a dip switch on circuit (Needs to open the housing)

**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 mm<sup>2</sup> terminals
- Power output: Neutral, phase, ground, with 2.5 mm<sup>2</sup> terminals for direct connection to the load.
- Temperature sensor: three 2.5 mm<sup>2</sup> screw terminal

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

Reference	2DNAP6F0
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