



VERITEK

Thermostat / Hygrostat



a) VIPS TH NC



b) VIPS TH NO

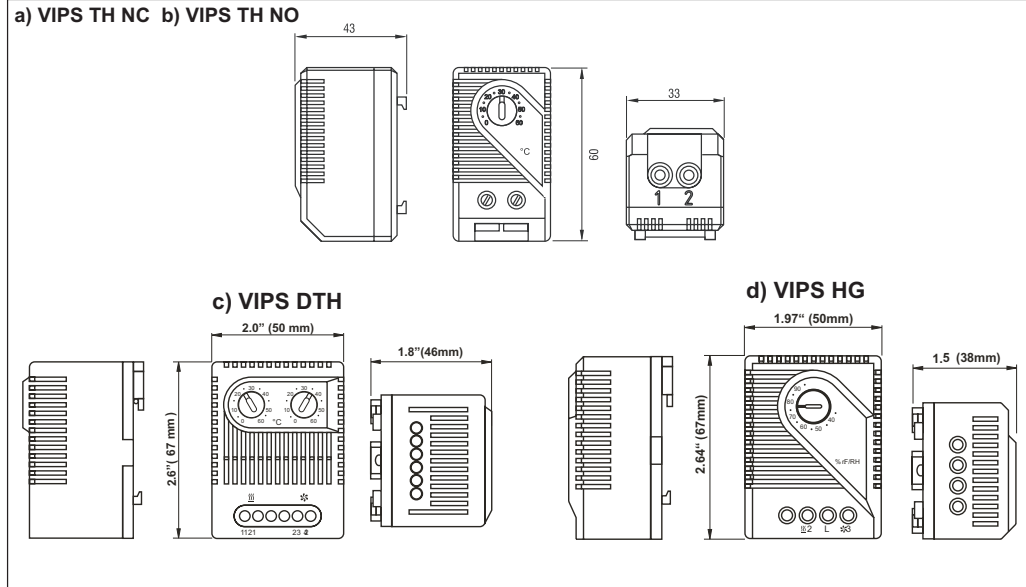


c) VIPS DTH

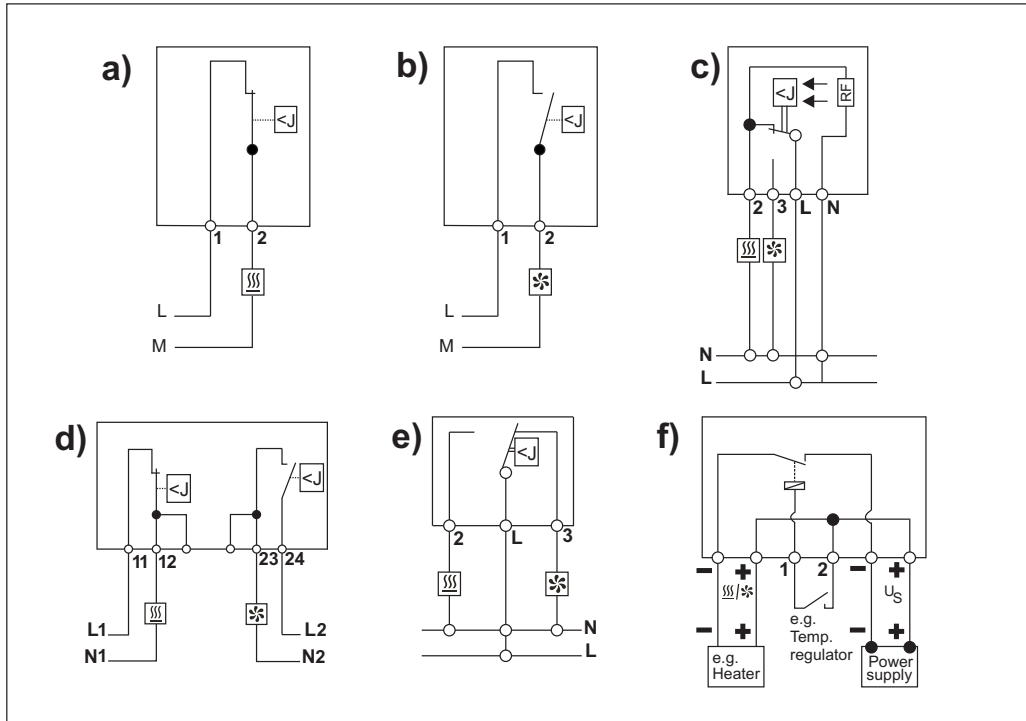


d) VIPS HG

MECHANICAL DIMENSION



CONNECTION



FEATURES:

- a) **Normally closed contact** (switching contact opens at rising temperature)
- b) **Normally open contact** (switching contact closes at rising temperature)
- c) **Change-over contact** (switching contact opens one and close the other contact at rising temperature)
- d) **Combination** (combination of a) and b))

Applications:

The temperature controls are used to regulate heating equipment, cooling equipment, filter fans and heat exchangers. In addition, they can also be used as switching contact for signal devices used as low-or-high- temperature alarms.

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Safety consideration:

The temperature control should on installed by qualified technicians in accordance with the respective national electrical codes.

The safety and protection against incidental contact is to be ensured through proper installation.

The technical specification (voltage and current) as stated on the product must not be exceeded!

Installation guidelines:

The temperature control are designed to measure the temperature in enclosures. When used in heating applications, they should be installed in the upper area of the enclosures as far away as possible from heaters or other heat-generating components. When used in cooling applications, they should be installed at the bottom of the enclosures as far away as possible from the cooling device.

Clip-mounting onto 35 mm DIN rails according to EN50022 is standard. The ventilation openings of the temperature control should not be covered at any time. Operating temperature range: -20°C to 80°C (-4°F to 176°)

Setting recommendations:

The hysteresis (switching differences) of the temperature control should be taken into account:
 a), b) and d): 7K ± 4K (Kelvin).
 c): 4K ± 1.5K (Kelvin). Upon connection of the RF heating resistor (thermal coupling), the hysteresis is reduced to approx. 0.5K.

In order to determine the actual set point of the normally closed contact and change-over contact (when used as normally closed contact), the maximum rated hysteresis should be added to the required minimum operating temperature:

Example for a): required minimum temperature in enclosure: 5°C (41°F)

Hysteresis of temperature control:
+11K (=7K ± 4K)
16°C (61°F)

Set point on adjustment knob: