



nVent HOFFMAN THERM26F Temperature Controllers User Manual

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Temperature Controllers

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THERM26F Temperature Controllers



WARNING



- There is a risk of personal injury and equipment damage if the connection values are not observed or polarity is incorrect.
- Installation must only be performed by qualified electrical technicians in observation of the respective national power-supply guidelines (IEC 60364).
- The safety measures according to VDE 0100 are to be ensured.
- The technical specifications on the type plate must be strictly observed.
- The device must not be repaired.
- The contact system of the regulator is exposed to environmental influences. This can result in a change in the contact resistance, which can lead to a drop in voltage and/or self-warming of the contacts.
- The clamping screw must be turned in all the way on a terminal without connected wire.
- From an ambient temperature in the electric cabinet of 70 °C (158 °F), a heat-resistant cable must be used to connect the thermostat.

The temperature controls are used to regulate heating equipment, cooling equipment, filter fans and heat exchangers in closed enclosures. In addition, they can also be used as switching contacts (min. 24V, 20mA) for signal devices used as low- or high-temperature alarms.

VERSIONS

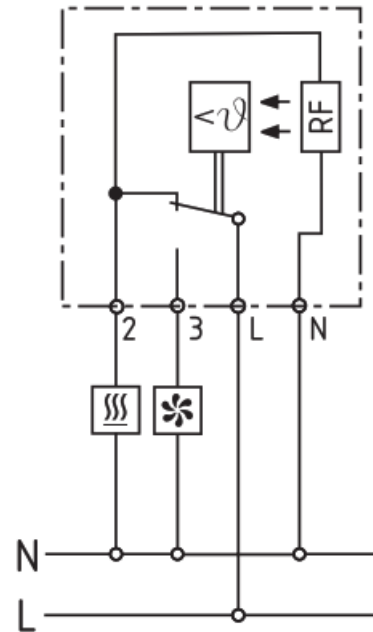
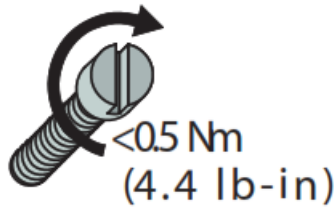
- Change-over contact (switching contact opens one and closes the other contact at rising temperatures)

INSTALLATION GUIDELINES

- The regulator should be installed in the upper area of the electric cabinet as far as possible from heaters or other heat-generating components.
- The device must not be covered.
- The device must not be operated in environments with aggressive atmospheres.

SETTING RECOMMENDATIONS

- Hysteresis (switching difference): 5K +2/-3K (Kelvin). Upon connection of the RF heating resistor (thermal coupling), the hysteresis is reduced.
- When setting the temperature of the thermostat, the largest possible hysteresis must be allowed for.



Rev. B

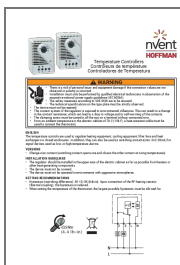
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Documents / Resources



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References

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