



NVR-1 / NVR-1P

Ventilation control in animal houses with natural ventilation

- Simple rotary knob operation
- Controls a ventilation valve or curtain using a winch motor
- Displays current in-house temperature
- Delay function enabling the climate in the house to adjust to the new situation
- Flap position feedback as a percentage (NVR-1P)
- Heating control (NVR-1P)
- Frost protection (NVR-1P)

The NVR-1 is an automatic controller for houses with natural ventilation

The NVR-1 controls the ventilation valves or curtains on the basis of pre-set temperatures. If the temperature in the house drops below the pre-set value, the controller will cause the valves or curtains to close further. An increase in temperature will have the opposite result. You can use the 'delay button' to enable the climate to adjust to the new situation. A sudden drop in temperature by 2°C or more (as may occur with inclement weather) will cause the ventilation valve or curtain to be closed at an accelerated pace.



The NVR-1P provides the right balance between natural ventilation and heating

The right balance between ventilation and heating is necessary in houses with natural ventilation that also have heating installed. You can use the rotary knobs to set the required temperature, minimum and maximum ventilation, the bandwidth and the neutral zone. These functions ensure that a certain degree of ventilation is present at all times and prevent the house from being heated while ventilation is being increased. This makes the NVR-1P an efficient and economic ventilation control unit.



Technical specifications **NVR-1**

General

- 230Vac - 50/60Hz supply voltage
- temperature setting: 5-40°C
- delay setting: 0.5-4 minutes
- running time setting: intern. 1-20 sec.
- ABS housing

Inputs and outputs

- 1 temperature sensor
- 1 relay output, 230Vac/2A (open/close control)

Note

- for use on a motor without position feedback

ELM-150 motors



The NVR-1P works in conjunction with the ELM-150 motors. There are two versions: the ELM-150V motors drive air intake valves and the ELM-150C motors drive curtains.

Technical specifications **NVR-1P**

General

- 230Vac - 50/60Hz supply voltage
- temperature setting: 5-40°C
- delay setting: 0.5-4 minutes
- running time setting: intern. 1-20 sec.
- bandwidth setting: 2.5 - 7.5°C
- minimum valve opening setting: 0-50%
- maximum valve opening setting: 20-100%
- neutral zone setting - heating: 1.5 - 8°C
- frost protection
- ABS housing

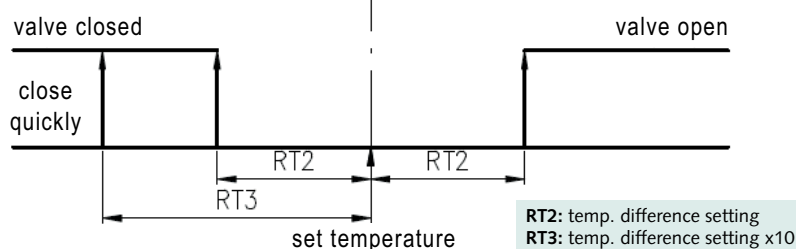
Inputs and outputs

- 1 temperature sensor
- 1 heating contact, 230Vac/2A
- 1 potentiometer input (10KΩ)
- 1 relay output, 230Vac/2A (open/close control)

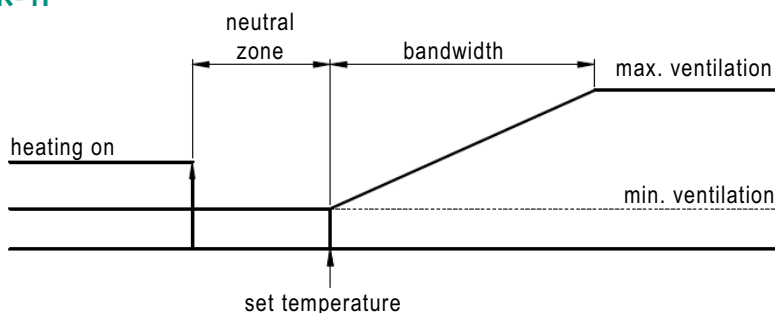
Note

- for use on a motor with position feedback

NVR-1



NVR-1P



Temperature sensor (N10B)

