

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)



NVR-1

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.

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

General	NVR-1	NVR-1P
Supply voltage	230Vac - 50/60Hz	230Vac - 50/60Hz
Temperature setting	5-40°C	5-40°C
Delay setting	0,5-4 min.	0,5-4 min.
Running time setting	intern. 1-20 sec.	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		
Temperature sensor	1	1
Heating contact, 230Vac/2A	-	1
Potentiometer input (10KΩ)	-	1
Relay output, 230Vac/2A (open/close control)	1	1
Note		
For use on a motor with position feedback	✓	✓

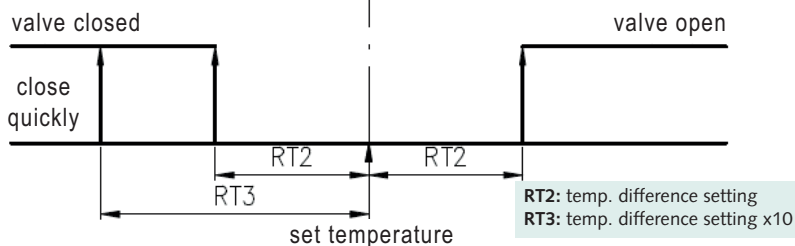
ELM-150

motors

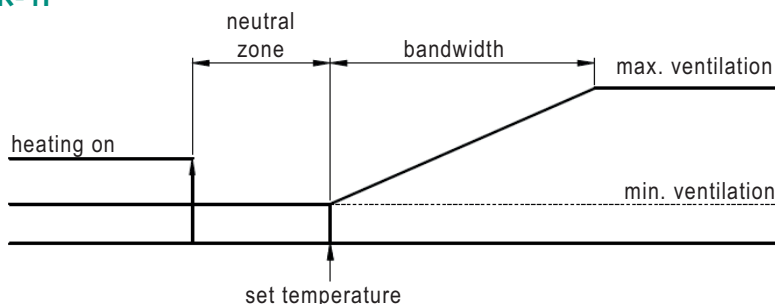


The NVR-1P works in conjunction with the ELM-150 motors. There are two versions: the ELM-150V motors drive air intake valves and the ELM-150C motors drive curtains.

NVR-1



NVR-1P



Stienen BE, Agri Automation

Stienen BE is a leading family company (1977) which has its roots in livestock farming. It is in our nature to be very close to our end users. We are a global supplier of innovative automation solutions for poultry and pig houses. Our climate solutions, automation systems, management software and the accompanying peripheral equipment are all developed and produced in-house.