



Control panel



Weather station

NV Solo® Natural ventilation in one zone



Natural
ventilation

Application

- natural ventilation in one zone
- automatic indoor climate control
- easy to install – easy to operate
- suitable for offices, staircases, hallways, atria, etc.

NV Solo® provides automatic opening and closing of the window/windows in the room. In order to achieve the desired indoor climate, the system takes both the indoor and outdoor temperatures into account. The window/windows opens and closes stepwise.

The control panel allows manual opening and closing of the windows. 30 minutes after NV Solo® has been operated manually, the system returns to automatic mode.

The control panel has an integrated temperature sensor and also displays the indoor and outdoor temperatures. Control panel has an alarm information and operating mode, as well as buttons for manual operation and setting the automatic controls.

The safety feature in NV Solo® ensures that the windows are closed in case of rain, strong wind and low outdoor temperature.

The settings for the automatic mode can be changed.

Additional window actuators can be connected to NV Solo® in one group (zone).

The battery powered control panel communicates wirelessly with the weather station, this makes the system easy to install and suitable for later installation as no cables are required to install the control panel.

The signals from NV Solo® are transmitted via the MotorController to the actuator mounted in or on the window frame. The choice of actuator and MotorController depends on the concrete window dimensions.

The weather station has sensors for outdoor temperature, wind speed and rain, as well as a signaller to the comfort or smoke ventilation systems.

NV Solo® can also be connected to existing control systems or smoke ventilation systems.

Natural ventilation in one zone

Application examples

NV Solo® is versatile in controlling natural ventilation in offices, entrance areas and common rooms, where room climate can be improved through the use of motorized windows.

In relation with safety systems NV Solo® can i.e. also be used in stair cases, where in case of fire smoke is extracted via a roof window. NV Solo® thereby adds an additional usage to the system by providing comfort ventilation to the room. The smoke ventilation always has higher priority.

Maximum distance between the control panel and the weather station:

- up to 200m in free range
- up to 2 storeys in buildings with concrete ceilings

Control panel – technical specifications

Supply voltage	2 x 1.5V (2 batteries AA/LR6 – included) or 2 x 1.2V (2 batteries AA/LR6)
Operating condition	-10°C - +50°C, max. 80% relative humidity (not condensing) indoor installation
Size	103 x 98 x 28mm (W x H x D)
Colour	white (RAL 9016)

Weather station – technical specifications

Supply voltage	13 - 30 VDC / 12-24 VAC, ca. 1.9VA
Operating condition	-30°C - +60°C
Output signal	open/close - potential free
Size	96 x 77 x 118mm (W x H x D)
Colour	white / frosted plastic

General – technical specifications

Delivery includes	control panel, weather station and two AA/LR6 batteries
Note	we reserve the right to make technical changes

Item	Item no.
NV Solo®	NV Solo