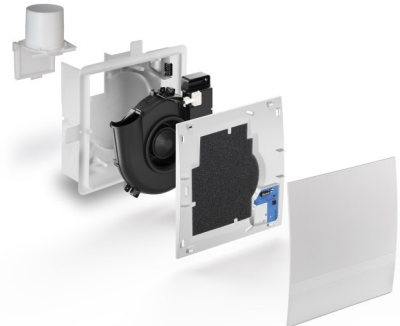


Općenito

Ovaj dokument namijenjen je u prvom redu korisnicima uređaja Silvento ec. Pretpostavljamo da su uređaje kao i eventualne dodatne ventilacijske komponente instalirali i pustili u pogon stručnjaci.

Također pretpostavljamo da vam je poznato koji su ventilacijski uređaji odnosno dodatne komponente ugrađeni te gdje su i kako priključeni.

Silvento ec je uređaj za odvod zraka koji u funkcionalnim prostorijama poput kuhinje, kupaonice i WC-a brine da se istrošeni i vlagom opterećeni zrak transportira van izravno kroz vanjski zid ili putem odvodnog okna.



Opis i funkcija

Kod čistih odvodnih sustava, s pripadajućim pasivnim vanjskim zidnim propustima zraka u stambenim prostorijama, ovi ventilatori rade trajno na osnovnom opterećenju te se dodatno mogu prebaciti na takozvani ventilacijski stupanj prema potrebi.

Ako su u stambenim prostorijama ugrađeni uređaji s povratom topline (npr. serija e² ili Ne^{xt}), ovi ventilatori isključeni su i uključuju se samo po potrebi odnosno pri korištenju.

Silvento ec s osnovnom pločom 5/ZI

Uklopivi uređaji mogu se spojiti preko svjetlosnog prekidača, zasebno prebaciti pomoću uklopnog prekidača ili opremiti našim senzorom pokreta. Silvento ec raspolaže s više ventilacijskih stupnjeva između 0 i 100 m³/h, osnovnim ventilacijskim stupnjem i ventilacijskim stupnjem prema potrebi.

Dodatno se mogu aktivirati naknadni rad, intervalno uklapanje i odgoda uključivanja. Vrijednosti osnovne ventilacije i/ili ventilacije prema potrebi izračunate su u ventilacijskom konceptu.

Silvento ec s komfornom pločom 5/FK

Ako je ugrađena komforna ploča, ventilator uz funkcije osnovne ploče raspolaže i bezstupanjskom komfornom regulacijom vlage i temperature. Regulacija vlage odvija se potpuno automatski te ventilator ne mora raspolagati dodatnim prekidačem.

Ipak je iz razloga udobnosti moguće ugraditi prekidač za aktivaciju ventilacije prema potrebi i/ili sniženog režima.

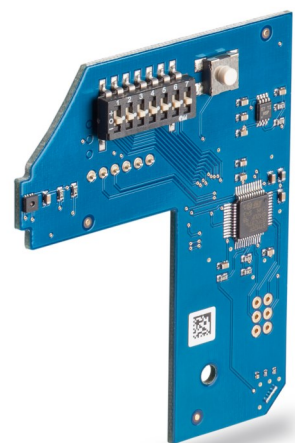
Silvento ec s komfornom pločom+ 5/VOC

Ako je ugrađena komforna ploča+, ventilator uz funkcije komforne ploče raspolaže i VOC senzorom za ventilaciju na temelju koncentracije kemijsko-organskih tvari (mirisa) u zraku prostorije i/ili CO₂ ekvivalenata.

Silvento ec s podrumskom pločom 5/KE

Podrumski ploča razvijena je za posebne zahtjeve odzračivanja podrumskih prostorija te je opremljena senzorom vlage/temperature kao i protokom zraka do 60 m³/h.

U slučaju pitanja o postavkama upravljačkih ploča uređaja Silvento ec obratite se svojoj nadležnoj instalaterskoj tvrtki, uredu za arhitekturu ili projektiranje.



Rukovanje

Funkcije Silvento ec i crvena LED dioda na unutarnjoj blendi

Pri prvom stavljanju u pogon i nakon nestanka struje, radna sposobnost se signalizira kratkim svijetljenjem (1, 2 ili 3 puta, ovisno o verziji softvera).

Intervalni rad

Ako su u stambenim prostorijama ugrađeni uređaji s povratom topline, može biti aktivirana funkcija intervala. Kod uključenog intervalnog rada intervalni brojač uključuje ventilator 4 odnosno 2 sata nakon zadnjeg isključivanja ventilatora. Trajanje ventilacije tada iznosi 30 odnosno 15 minuta.

Odgoda uključivanja

Za vrijeme odgode uključivanja crvena LED dioda može pulsirati, ovisno o programiranju. Ovu postavku može promijeniti specijalizirana tvrtka / instalaterska tvrtka.

Vrijeme naknadnog rada

Ovisno o aktivaciji, može biti uključeno vrijeme naknadnog rada od 15 ili 30 minuta.

Zaštita od smrzavanja (isključivanje)

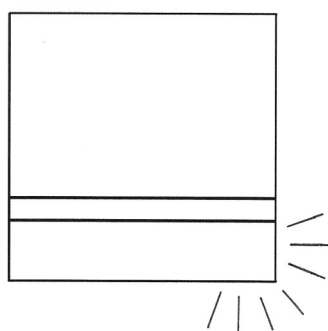
Ako temperatura u prostoriji dulje od 1 sat padne ispod 8 °C, ventilator se isključuje. Kada se prekorači temperatura od 15 °C, ventilator se ponovno uključuje. Ova funkcija treba spriječiti da se u slučaju kvara ili ispada sustava grijanja prostorije i dalje odzračuju te da dođe do daljnjeg pada temperature.

Zamjena filtra

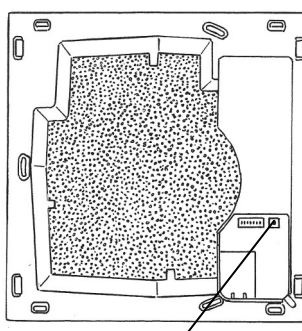
Predstojeća zamjena filtra signalizira se trajnim crvenim svijetljenjem LED diode.

Za to skinite pokrov unutarnje blende, izvadite filtar i operite ga u perilici posuđa ili vodom i deterdžentom. Suhi filtar zatim možete ponovno umetnuti u nosač okvira filtra i vratiti pokrov unutarnje blende. Naši regenerirajući filtri mogu se bez problema očistiti 4-5 puta prije nego što ih je potrebno zamijeniti.

Za resetiranje prikaza zamjene filtra pritisnite tipkalo na 2-3 sekunde. LED dioda se gasi. Ako želite očistiti filtar prije nego što zasvijetli crvena LED dioda, to naravno možete učiniti. Za ponovno pokretanje intervala čišćenja pritisnite tipkalo na 15 sekundi.



Prikaz svjetla svijetli ispod kuta



Tipkalo za resetiranje nadzora filtra

Stavljanje uređaja izvan pogona

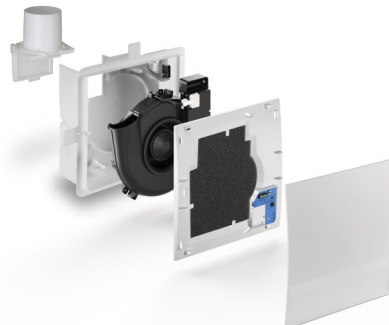
Kod vremena mirovanja duljih od 6 mjeseci uređaje treba servisirati stručno osoblje.

General

This document is primarily intended for users of the Silvento ec. We assume that the devices and any additional ventilation components have been installed and commissioned by qualified personnel.

We also assume that you know which ventilation units or additional components have been installed, where and how they are connected.

The Silvento ec is an exhaust fan that will transport stale and humid air directly outside via the exterior wall or an exhaust air shaft in functional rooms such as kitchens, bathrooms, and toilets.



Description and function

In pure exhaust air systems, with the associated passive outer wall air vents in the living areas, these fans run continuously at a base load and can also be switched to the so-called demand ventilation mode.

If devices with heat recovery (e.g., e² series or Ne^{xx}t) have been installed in the living areas, these fans are switched off and can only be switched on when needed or in use.

Silvento ec with Basic board 5/ZI

The switchable devices can be connected via the light switch, switched separately with an on/off switch, or equipped with our motion detector. The Silvento ec has several ventilation levels between 0 and 100 m³/h, a basic ventilation level, and a demand ventilation level.

In addition, the time delay, interval switching, and switch-on delay can be activated. The values for basic and/or demand ventilation were calculated in the ventilation concept.

Silvento ec with Comfort board 5/FK

If the comfort board is installed, the fan has a continuously variable comfort humidity and temperature control in addition to the functions of the base circuit board. Humidity control is fully automatic, and the fan does not need to have an additional switch.

However, for convenience reasons, it is possible that a switch for activating demand-controlled ventilation and/or reduced mode operation is installed.

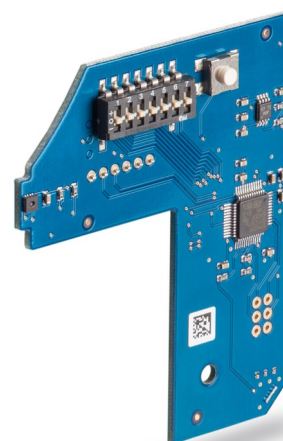
Silvento ec with Comfort board+ 5/VOC

If the Comfort Board+ is installed, the fan has a VOC sensor in addition to the functions of the Comfort Board for ventilation based on the concentration of chemical organic substances (odors) and/or CO₂ equivalents in the room air.

Silvento ec with Cellar board 5/FK

The cellar board was developed for the special requirements of basement ventilation and is equipped with a humidity/temperature sensor and a volume flow of up to 60 m³/h.

If you have any questions about the settings of the Silvento control boards, please contact your installation company, architect, or planning office.



Operation

Functions of the Silvento ec and the red light-emitting diode on the inner screen

During initial startup and after a power failure, operational readiness is indicated by a brief flash (1, 2, or 3 times, depending on the software version).

Interval operation

If devices with heat recovery are installed in the living areas, the interval function can be activated. When interval mode is switched on, the interval counter triggers the fan to start every 4 or 2 hours after the fan was last switched off. The ventilation duration is then 30 or 15 minutes.

Switch-on delay

During the switch-on delay, the red LED may flash, depending on the programming. This setting can be changed by a specialist company/ installation company.

Time delay

Depending on the activation, a time delay of 15 or 30 minutes can be switched on.

Frost protection shutdown

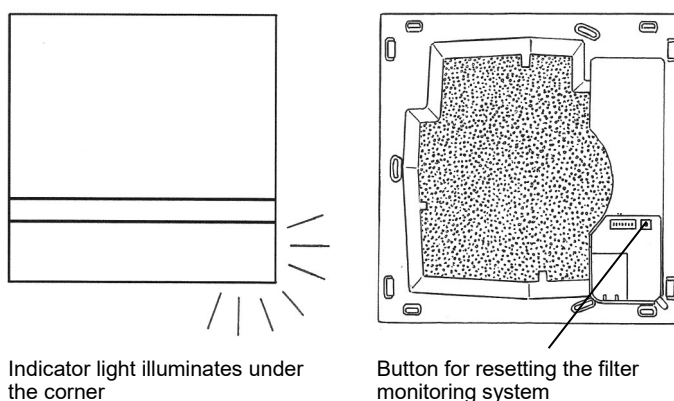
If the room temperature drops below 8°C for longer than 1 hour, the fan is switched off. If the temperature exceeds 15°C, the fan switches back on. This function is designed to prevent rooms from continuing to be ventilated in the event of a defect or failure of the heating system, which would lead to a further drop in temperature.

Filter change

A pending filter change is indicated by a steady red LED light.

To do this, remove the cover of the inner screen, take out the filter, and clean it in the dishwasher or with water and dish soap. Once dry, you can reinsert the filter into the filter frame holder and snap the cover of the inner screen back into place. Our reusable filters can be cleaned 4-5 times without any problems before they need to be replaced.

To reset the filter change display, press the button for 2-3 seconds. The LED will go out. If you want to clean the filter before the red LED lights up, you are of course welcome to do so. To restart the cleaning interval, press the button for 15 seconds.



Indicator light illuminates under the corner

Button for resetting the filter monitoring system

Decommissioning the devices

If downtime exceeds 6 months, please have all devices serviced by qualified personnel.