



inVENTer sMove s4 Long Controller Installation Guide

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Montageanleitung
Installation instructions
sMove s4/s8 Long





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sMove s4 Long Controller

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Disclaimer

This documentation is a translation of the original installation instructions. The information on access to the installation instructions must be passed on to the user (tenant, owner, property management, etc.) after completion of the installation. The contents of this documentation have been checked for conformity with the components described. Nevertheless, deviations cannot be ruled out, so that no guarantee can be given for complete conformity.

This documentation describes the functionality of the standard scope.

For reasons of clarity, the documentation does not contain all detailed information on all types of the product and cannot take into account every conceivable case of installation and assembly.

The illustrations in this documentation may differ slightly from the design of the product you have purchased. The functional equivalence remains despite the deviation in detail.

This documentation is updated regularly. Necessary corrections and expedient additions are always included in subsequent editions.

The current edition can be found at www.inventer.eu/downloads.

Company Information

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User and Safety Instructions

Thank you for purchasing this high quality product from inVENTer!

This section provides an overview of the basic safety precautions for safe and proper operation of your controlling unit.

1.1 User Information

Safety and warning instructions

The safety and warning instructions in these installation instructions have a uniform structure and are marked with a symbol on the left side of the instruction. A signal word in front of the text also indicates the hazard level. If several hazard levels occur, the safety note for the highest level is always used.

The safety instructions and warnings contain the following information:

SIGNAL WORD: TYPE AND ORIGIN OF THE HAZARD. Possible consequences of the danger!

- Measures to avoid hazard.

The signal word indicates the severity of the potential hazard unless the preventive measures are taken:



DANGER means: Severe danger of serious injury or death.



WARNING means: Possible danger of serious injury or death.



CAUTION means: Direct danger or minor/significant injury.



NOTICE means: Direct or possible risk of property damage due to an adverse event/state.

When presented these signs, follow the measures described to avoid possible danger or damage.

Additional symbols in the documentation

In addition to the safety and warning signs, the following symbols are used:



This symbol provides practical and useful tips for handling your control unit.



Before the action sequences, additional tools and aids for the activities involved are listed if needed.



The graphics show the inner wall.

► Action instruction: Prompts the user to perform an action.

→ Result action: Prompts the user to check results of action.



Action focus: To be taken into account in the corresponding assembly step.

1.2 Safety instructions

The assembly instructions are part of your sMove control unit and must be available at all times (see www.inventer.eu/downloads). When handing over the system to third parties, the information on access to the installation instructions must also be handed over.

Before carrying out any work on the unit/system, read the assembly instructions carefully and observe all the assembly instructions listed in this chapter. In addition, observe the safety instructions that precede the described instructions for action.


Failure to observe safety instructions may result in personal injury and/or damage to property.


Intended use


The sMove Long control unit (also referred to as “controller” or “sMove” in the following text) is only to be used to control the decentralised iV ventilation devices with heat recovery (iV-Smart+, iV14-Zero, iV-Light, iV-Compact [Xenion fan in each case], iV14-MaxAir, iV-Office [Xenion EFP fan in each case] and product series iV-Twin+ [Mini-Xenion fan]) of inVENTer GmbH.

The following are to be used in detail:

- The sMove controller for controlling the inVENTer ventilation devices with heat recovery included in the system.
- The sensors coupled with the controller (HYG18 hygrostat, HYG12 hygrostat, CS1 CO2 sensor or pressure monitor) to supply temperature, humidity and CO2 values to the sMove controller, which in turn uses them to control the inVENTer ventilation devices with heat recovery.

-  **DANGER:** The unit may only be installed by qualified electricians.
 - Observe the specifications of protection class II when laying the mains connection cable.
 - Route all devices of ventilation system to the same circuit breaker.
 - Only lay and connect cables when they are de-energised!
 - The mains power supply must comply with the specifications on the type plate.
 - Disconnect all affected devices from the power supply before working on electrical installations.
 - Before drilling, check whether there are any lines in the drilling area.

-  **WARNING:** For joint operation of ventilation devices with fireplaces, safety measures must be taken to prevent a negative pressure from developing in the building. The decision as to which measures should be implemented is made by the chimney sweep and/or building planner responsible.

-  **NOTICE:** Make sure that the cables have sufficient contact when connecting the sMove controller.
- **NOTICE:** Laying cables whose sheathing under plaster is not plaster-resistant will lead to short circuits and cable fires! Lay cables without a plaster-resistant cable sheath in the empty conduit.
- **NOTICE:** The use of too small cable cross-section leads to a too high voltage drop and/or contacting is not guaranteed!
- **NOTICE:** Use wire end ferrules with collars when connecting stranded wires.
- **NOTICE:** The controller has plastic surfaces that are sensitive to scratches.

Do not touch components with oily and/or dirty hands. Avoid contact with sharp or pointed objects.

Non-intended use

The sMove controller is intended exclusively for controlling the ventilation devices specified in the intended use. Any other use is expressly prohibited.

Use contrary to the intended purpose leads to the exclusion of any liability claims.

Qualified personnel

The unit may only be set up in conjunction with this documentation and the documentation for the ventilation devices.

Installation, electrical connection and initial commissioning of the unit may only be carried out by qualified personnel. Qualified personnel in the sense of the safety instructions in this documentation are persons who are authorised to install, commission and label devices and circuits in accordance with the standards of safety engineering.

Conformity

The ventilation device complies with the technical safety requirements and standards for electrical equipment for domestic use. It conforms to applicable directives of the European Union and the United Kingdom. The full text of the EU declaration of conformity is available at the following Internet address:

4. Connection terminal, 2-pole (external interface)

B Fans

C Connection terminal, 5-pole (fan-BUS distribution)

D Sensors (optional)

E Power supply



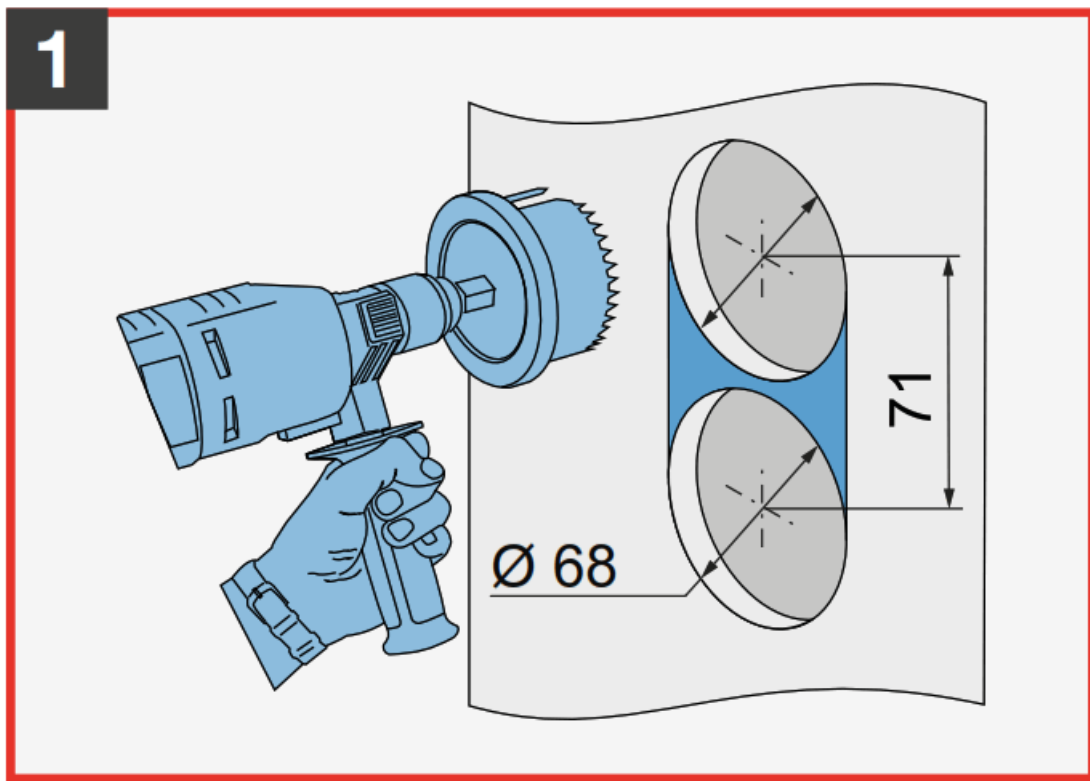
DANGER: Exposed electrical components.

Electric shock and injury from live components (230 V, 50 Hz)!

- Before working on electrical equipment, disconnect affected equipment from power supply.
- Observe the specifications of protection class II when laying the mains connection cable.
- Do not lay cables under voltage.
- Lay mains connection and signal cables separately.
- Route system components of the ventilation system to the same safety controller.

Installation and connection only by qualified and trained personnel.

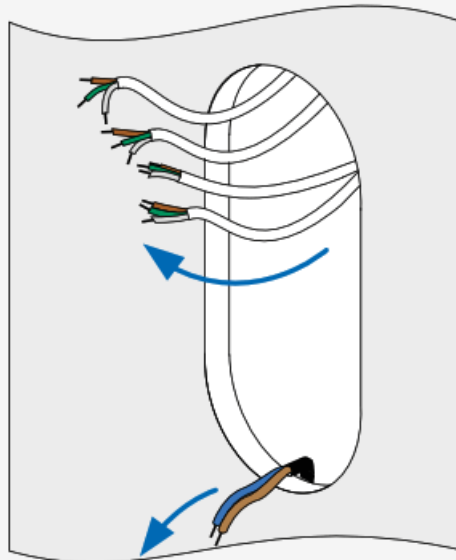
3.2 Installing wall opening and flush mounting box



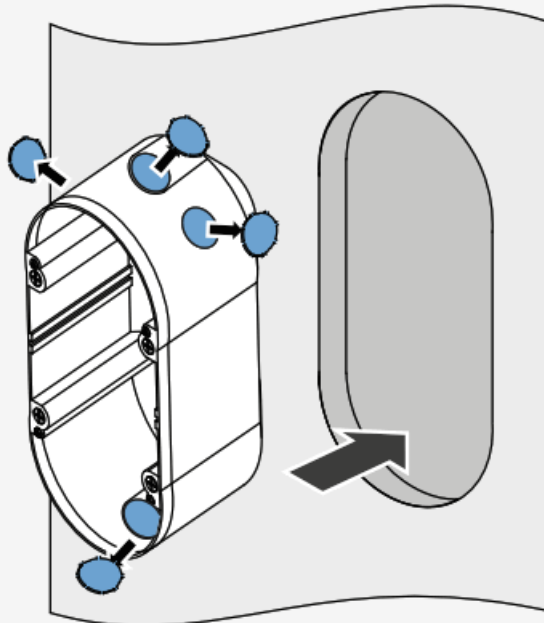
► Make two routed holes (Ø 68 mm) for the mounting box with a centre-to-centre distance of 71 mm one above the other on the inside wall.

► Remove the bars between the routed holes (line).

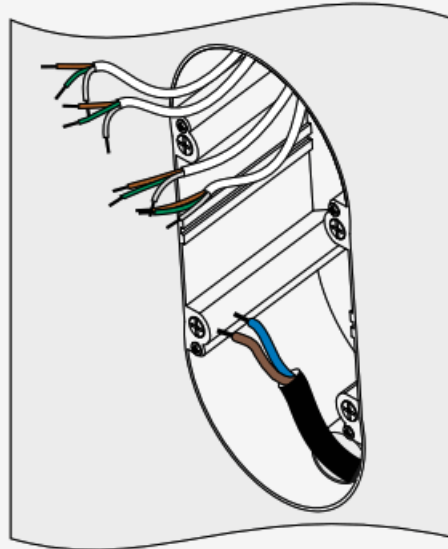
The wall opening is created.

2

- ▶ Lay the mains connection cable (230 V, 50 Hz) to the wall opening.
- ▶ Lay the fan BUS cables between the ventilation device and the wall opening.

3

- ▶ Break the following cable bushings from the mounting box:
 - upper chamber: one for each pair of fans and for the connection cable of the optional sensor
 - lower chamber: one cable bushing for the mains connection cable.
- ▶ Insert the prepared box into the wall opening.
- ▶ Fill the free space between the inner wall and the mounting box with suitable filling material.



- Lay the fan BUS cables (each in pairs, insulation stripped 8 mm) and the connection cable for optional sensor in the upper chamber of the mounting box.
- Lay the mains connection cable in the lower chamber of the mounting box.
- Insulate the protective contact wire with a clamp.

The mounting box is installed.

3.3 Connecting the flush mounted switching PSU

i If the sMove is connected in conjunction with a flush-mounted switched-mode power supply, we recommend distributing the cables between the controller and the fan in a separate mounting box.

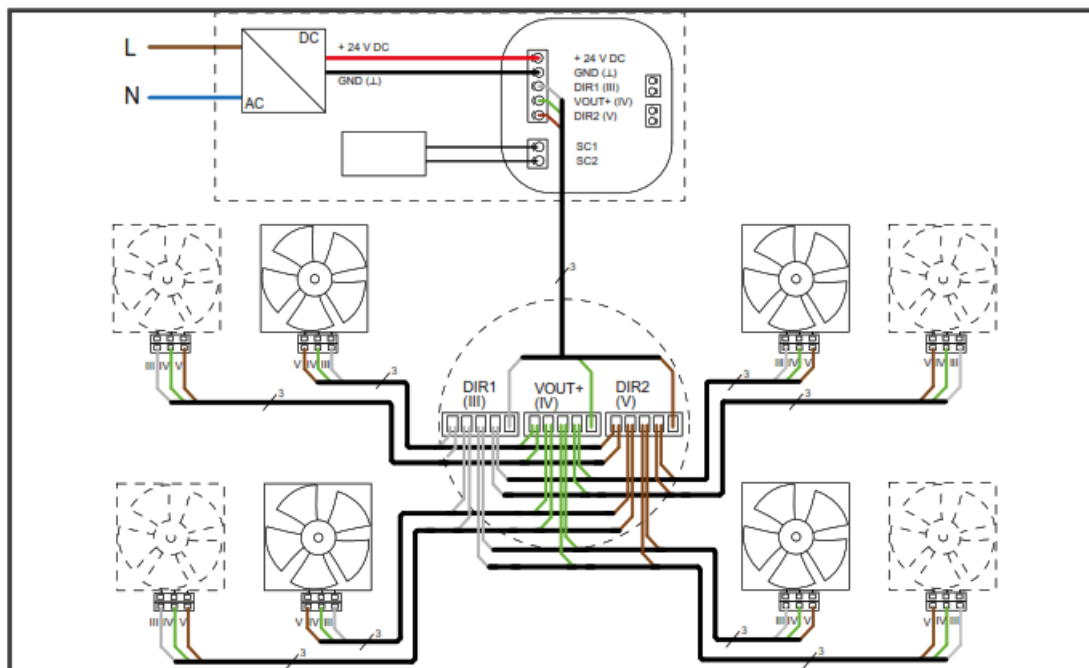
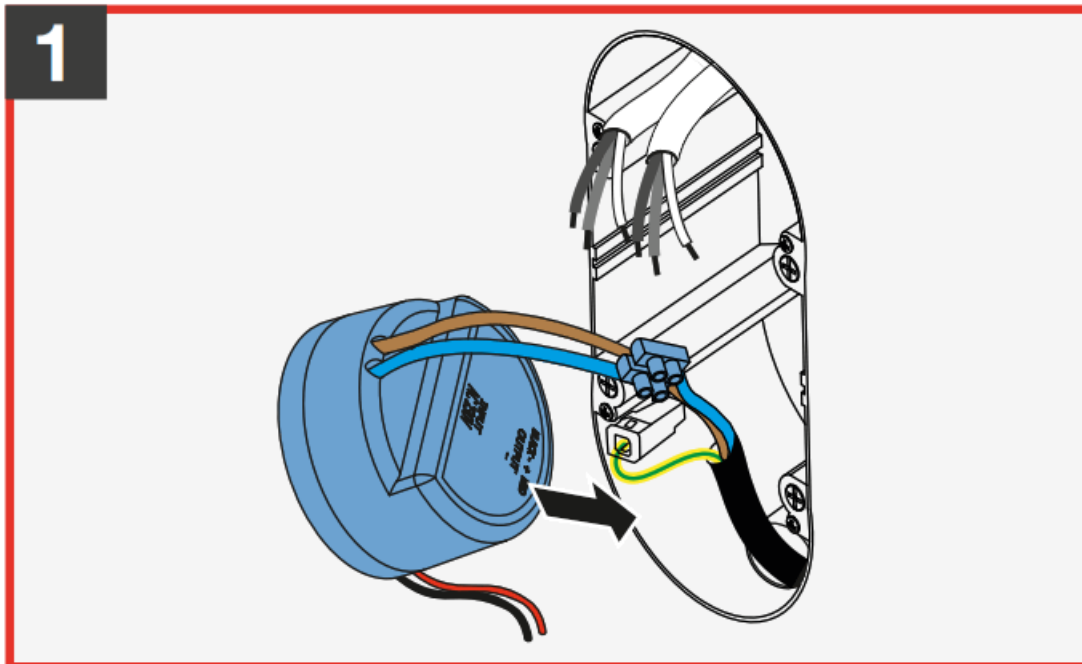


Figure 2: Connection example controller sMove flush mounted PSU



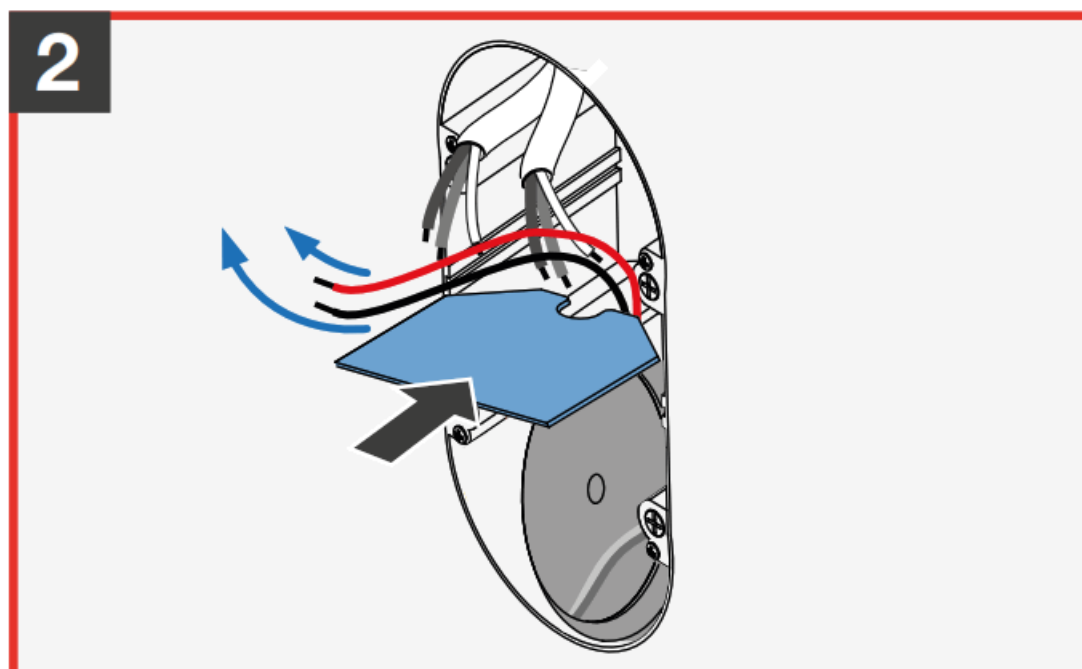
► Connect the input leads power supply (blue/brown) using the connecting terminal as follows:

- connect Phase (brown) to line L.
- connect Neutral conductor (blue) to line N.

► Place the power supply unit in the lower area of the mounting box.



The output lines of the switching power supply unit protrude into the interior.



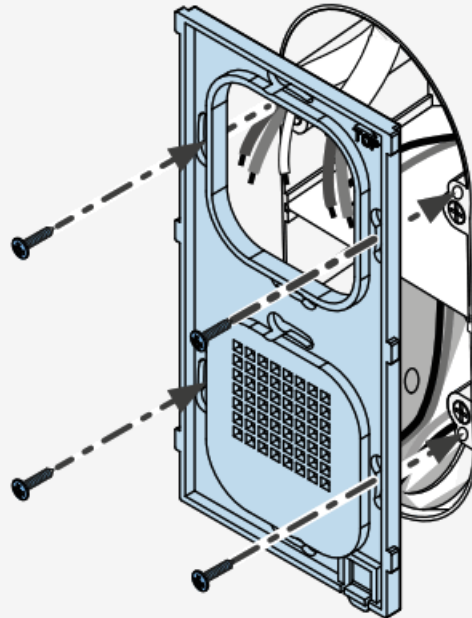
► Lay the power supply output cable (red [+], black [-], corresponds to operating voltage cable) in the upper chamber of the mounting box.

► Insert the divider plate.




The output cable of the power supply unit is located under the cable gland of the separating plate.

3



- Screw the base plate to the mounting box with 4 fastening screws. The blind cover covers the power supply unit.
- Proceed with the installation of the control panel unit. Refer to chapter 5,4: Installing the control panel unit

Installation instructions sMove ( Item No. 5021-0029).

i This documentation is updated regularly. Necessary corrections and expedient additions are always included in subsequent editions.

You can find the current edition at www.inventer.eu/downloads.

Scope of delivery

| Components | Item No. |
|--|-----------|
| sMove s4 Long inkl. UP-NT (PSU 1) | 1003-0107 |
| sMove s4 Long-Flat inkl. UP-NT (PSU 1) | 1003-0108 |
| sMove s8 Long inkl. UP-NT (PSU 1) | 1003-0109 |
| sMove s8 Long-Flat inkl. UP-NT (PSU 1) | 1003-0110 |

Warranty and guarantee

Warranty: The warranty refers to freedom from defects at the time of purchase and covers all defects that were present at the time of purchase. Observe the intended use in order to maintain the warranty claim. Outside Germany, the national warranty regulations of the country in which the system is sold apply. Contact the dealer in your home country.

Guarantee: inVENTer GmbH provides a 5-year warranty on all electronic components. This covers premature product wear.

Warranty and guarantee claim: Information on the warranty conditions can be found at www.inventer.eu/guarantee.

In the event of a warranty or guarantee claim, contact the dealer or factory representative responsible for you. In any case, send the complete unit back to the manufacturer.


The warranty claim is an additional offer by the manufacturer and does not affect applicable law in any way.

Service

Complaints: Check the delivery for completeness and transport damage on receipt, using the delivery note. Complain about missing items immediately, at the least within 14 days, to your supplier, dealer or factory representative.

Accessories and spare parts: Contact your dealer or factory representative to order components for your ventilation device.

Technical customer service: Contact our service staff for technical advice:

 +49 (0) 36427 211-333

 service@inventer.de

tem No.: 5021-0009

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Documents / Resources

| | |
|---|--|
|  Montageanleitung Installation instructions sMove s4/s8 Long  1003-0107 1003-0108 1003-0109 1003-0110  www.inventer.de | <p>inVENTer sMove s4 Long Controller [pdf] Installation Guide sMove s4 Long, sMove s8 Long, 1003-0107, 1003-0108, 1003-0109, 1003-0110, sMove s4 Long Controller, Controller</p> |
|---|--|

References

- [Dezentrale Lüftungsanlagen - unsichtbar, energieeffizient, lautlos](#)
- [inVENTer-Downloads: Alles zu Ihren inVENTer-Produkten](#)
- [inVENTer-Herstellergarantie - Vertrauen Sie auf Qualität](#)
- [Reklamation - inVENTer GmbH](#)
- [Decentralized ventilation systems - invisible, energy-efficient, silent](#)

- [!\[\]\(effbd7993c63c039a58fd3395789cf3f_img.jpg\) Downloads - inVENTer](#)
- [!\[\]\(144980d038f2541d7b588a8a9132bd70_img.jpg\) inVENTer manufacturer guarantee - trust in quality](#)
- [!\[\]\(c4ce2d477989700c971cf3d240ad9283_img.jpg\) inVENTer-Downloads: Alles zu Ihren inVENTer-Produkten](#)
- [!\[\]\(5013555a72072875cb154b597e002a46_img.jpg\) Downloads - inVENTer](#)

Manuals+.