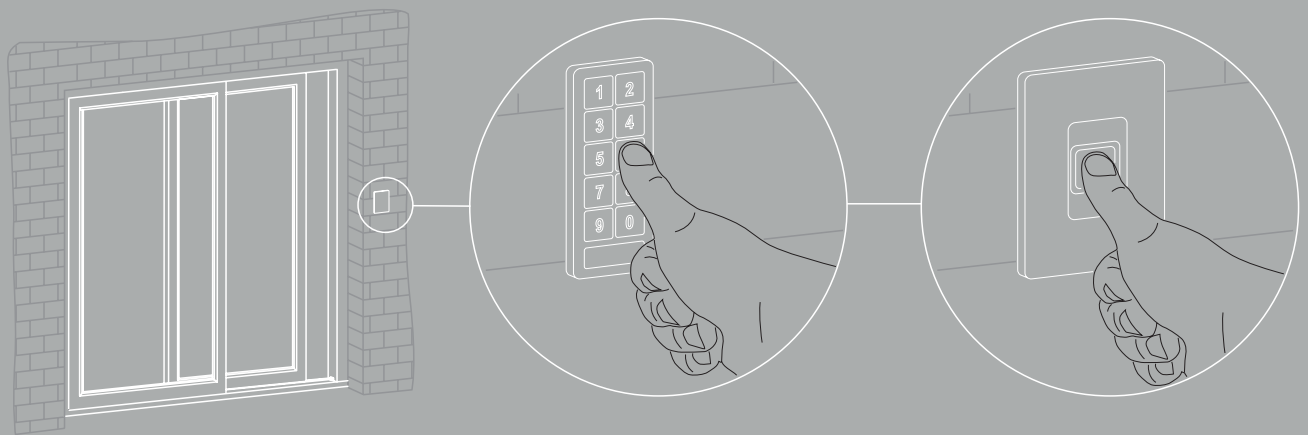# HS Comfort Drive
LIFT AND SLIDE FITTINGS/WINDOW AUTOMATION

WOOD

PVC

ALUMINIUM

INSTALLATION INSTRUCTIONS

Outdoor operation with code keypad/fingerprint sensor,
HS Comfort Drive, 24 V DC
wood/wood-aluminium/PVC,
Scheme C

Used **exclusively** for specialist companies.

Copy of the original instructions

Contents

⚠️ Important safety instructions

It is important to observe the following instructions to ensure safety for everyone. Incorrect installation can cause **serious injuries**.

Manufacturer's declaration/technical standard
The accessories contained in this document have been tested and manufactured in line with the applicable European directives. The applicable declaration of incorporation for the HS Comfort Drive is available for inspection. You may only operate the devices if there is a declaration of conformity for the overall system. The actuator meets the latest technical standards and only qualified technical staff may install, service and carry out any other tasks.

Personnel
Only a **qualified electrician** (certified to DIN VDE 1000-10, for example) may connect the system to the mains. The actuator must be installed by personnel trained to current standards and based on the recognised code of practice.

Also observe the important safety instructions in the manual for the HS Comfort Drive.

Warranty

HAUTAU's General Terms and Conditions of Business apply to the accessories (online: www.hautau.de/en/).

Disposal

The crossed-out wheeled bin symbol indicates that you must not dispose of this electrical appliance or electronic device in the household waste at the end of its service life.
You can return it to free collection points for old electrical appliances in your area or to other centres where they accept old appliances for recycling.
Contact your local council for addresses of collection points and centres. If the electrical appliance or electronic device contains personal data, you yourself are responsible for erasing data before you return it.
You will find more information online at www.weeelogic.com or other websites on the WEEE Directive.

Other applicable documents

This document comprises additional instructions for the following manuals:

- Installation instructions for HS Comfort Drive, 24 V DC, wood/wood-aluminium, concealed, Scheme A
- Installation instructions for HS Comfort Drive, 24 V DC, wood/wood-aluminium, concealed, Scheme C
- Installation instructions for HS Comfort Drive, 24 V DC, wood/wood-aluminium/PVC, surface-mounted, Scheme A
- Installation instructions for HS Comfort Drive, 24 V DC, wood/wood-aluminium/PVC, surface-mounted, Scheme C

The aforementioned documents apply to this manual. Excluded are the instructions that are not applicable due to the use of the code keypad/fingerprint sensor or that result in modifications to the system due to additional optional accessories. Ensure you consult the product documentation for the code keypad or fingerprint sensor being used in all cases.

Intended use

The code keypad or fingerprint sensor must be fitted by a professional to the wall on the outer side of the (lift and) slide system and as near to the circuit board as possible (in the case of Scheme C: the fixed sash circuit board). It must be connected to the circuit board for the HS Comfort Drive concerned as per the circuit diagram. Manual operation using fingers is only permitted to open/close the sliding sash(es).
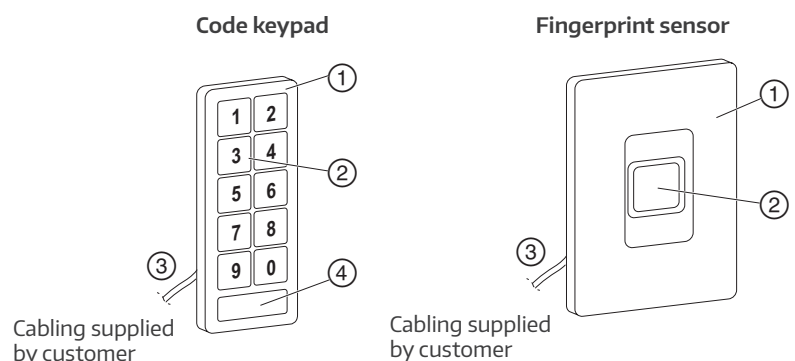
Features

You will find the product features for the control keypad in the relevant product documentation.

Device overview

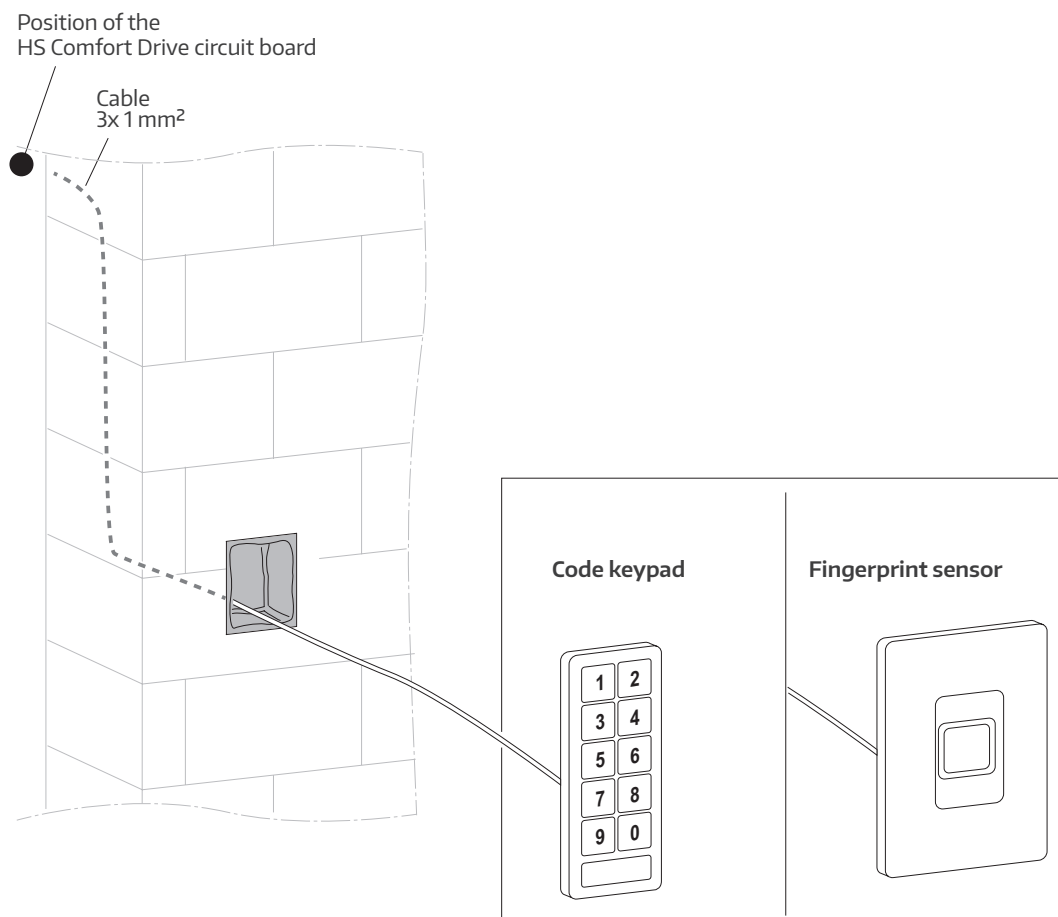Example images; the device's appearance and functions may vary.

① Housing

② Keypad/sensor field

③ Power supply and connection
   to the HS Comfort Drive circuit board,
   Terminal X1

④ Conformation button

Code keypad

Fingerprint sensor

Cabling supplied
by customer

Cabling supplied
by customer

Installing the code keypad/fingerprint sensor

Image gives rough example of installation: installation should be adapted to the actual conditions on site. You will find specific installation information in the corresponding product documentation.

Where necessary, the customer must provide a recess to fit the control keypad and space to feed the cabling to the HS Comfort Drive circuit board. The installation location must be dry and easy to access. The connecting cable should be routed through an empty conduit.
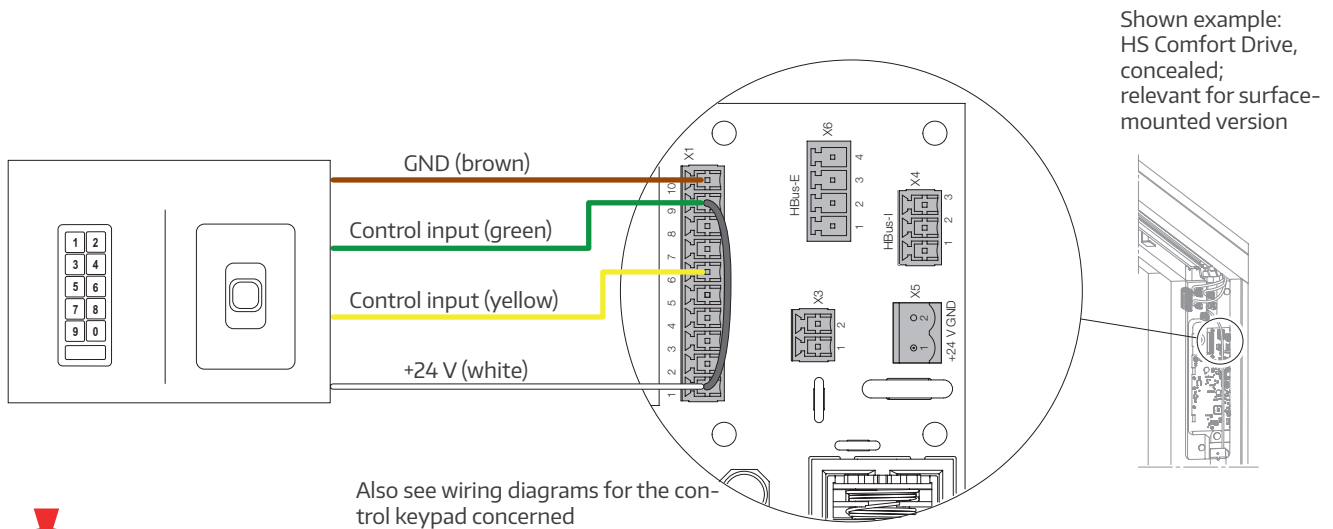
Position of the
HS Comfort Drive circuit board

Cable
3x 1 mm²

Code keypad

Fingerprint sensor

1	2
3	4
5	6
7	8
9	0

Circuit diagram

WARNING
Disconnect the power supply to the actuator while carrying out connection work.
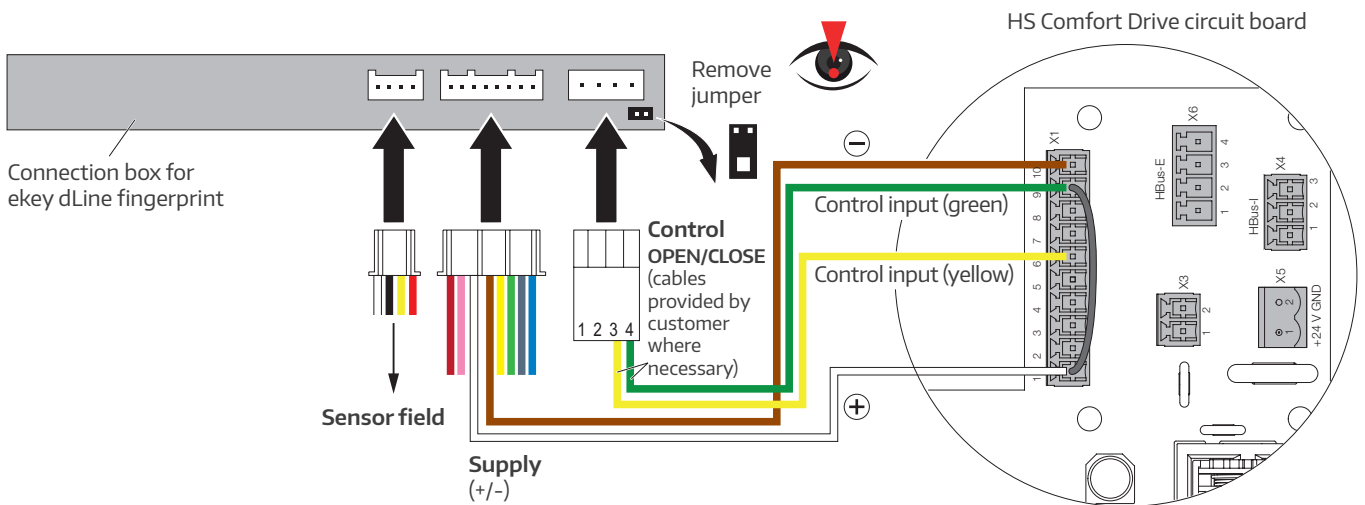If you do not, this poses a **life-threatening hazard** due to **electric shock.**

In the case of Scheme C, the control keypad is connected to the fixed sash circuit board.

Shown example:
HS Comfort Drive,
concealed;
relevant for surface-
mounted version

GND (brown)

Control input (green)

Control input (yellow)

+24 V (white)

Also see wiring diagrams for the con-
trol keypad concerned

IMPORTANT NOTE:
In the case of potential-free control keypads, the jumper must be removed as specified in the
corresponding documentation; otherwise, the required function is not guaranteed.

Example:

Jumper setting and connection for fingerprint sensor **dLine fingerprint** (450007) by ekey

HS Comfort Drive circuit board

Remove
jumper

Connection box for
ekey dLine fingerprint

Control input (green)

Control input (yellow)

Control
OPEN/CLOSE
(cables
provided by
customer
where
necessary)

1 2 3 4

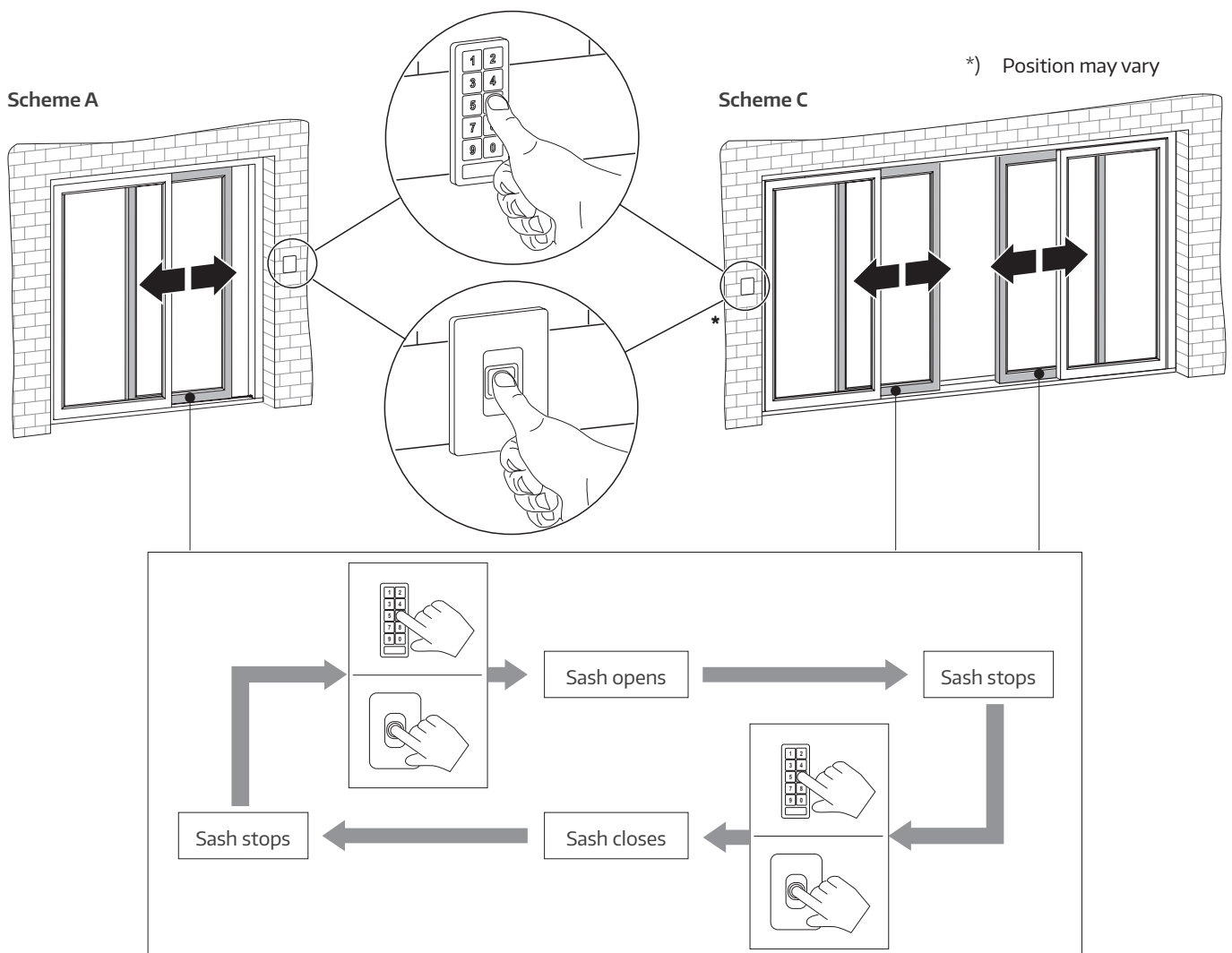**Sensor field**

Supply
(+/-)

You will find more information in the relevant product documentation.

Operation

Operation using the fingerprint sensor is only possible after the sensor field has been calibrated (see relevant product documentation).

The control keypad remembers the sash's last movement. Randomly activating the control keypad in quick succession will mean the commands are ignored to protect the actuator system.

Scheme A

Scheme C

*) Position may vary

*

Sash opens → Sash stops

Sash stops ← Sash closes

IMPORTANT NOTE:
A factory reset and software reset of the HS Comfort Drive are <u>not</u> possible with a code keypad/fingerprint sensor. A reset can only be performed with the standard control keypad or a control button/button box.

Technical specifications

You will find the technical data for the control keypad in the relevant product documentation.

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