



# Instruction manual for the movable wall – semiautomatic

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# Contents

1	Introduction.....	3
2	Product description.....	3
3	Safety rules.....	3
4	Intended use.....	3
5	Operating the movable wall.....	4
	5.1 General information.....	4
	5.2 Operating the movable wall.....	5
	5.2.1 The control panel.....	5
	5.2.2 Opening movable wall.....	6
	5.2.3 Panel movement.....	6
	5.2.4 Closing movable wall.....	9
	5.2.5 After the building up and dismantling of the movable wall panel.....	9
6	Technical data.....	10
7	Guarantee.....	10
8	Problem solving.....	10
9	General cleaning instructions.....	11
10	Taking out of operation.....	12
11	Disposal.....	12
12	Adress of manufacturer.....	12

# 1 Introduction

Dear customer,

Thank you for buying our movable wall system with semiautomatic control.

You have acquired a state-of-the-art quality product, which was produced according to the recognised rules of technology.

Please read this instruction manual carefully, follow the safety instructions and keep this manual for future reference.

# 3 Safety rules

The operator may only carry out any work or settings, which are described in this manual.

Children must not operate this movable wall system.

To guarantee a smooth operation of your mobile movable wall, please follow all the instructions, described in this manual.

# 2 Product description

The semiautomatic operated movable wall system comes as a complete system ready to simply plug in to the mains.

The panels are moved manually one by one into the wall post, which provides the panels with electricity.

The provided control panel offers you greater comfort and user-friendliness. The upper and lower pressure seals can be extended or retracted electronically within approx. 4 seconds at the push of a button.

An integrated emergency battery has also been provided to guarantee that you are always able to dismantle the semiautomatic controlled movable wall system even in the event of a power failure.

# 4 Intended use

- The product is a semiautomatic controlled movable wall system.

It allows you to functionally and flexibly divide rooms up into more rooms.

Other use of any form is not permitted and can be dangerous for both the operator and others.

Any damage caused by other uses will not be covered by the manufacturer. The manufacturer cannot be held liable in this case.

- The initial start-up of the semiautomatic controlled movable wall must be carried out by an installation company, which is certified by the company Nüsing.
- The movable wall is intended only for dry interior rooms.

## 5 Operating the movable wall

### 5.1 General information.

The wall(s) should only be operated by fully trained personnel. Due to a danger of crushing, make sure there are no body parts or other objects in the range of the vertical pressure seals, when they extend.

Always move the panels at walking pace with the male profile side (facing you) (See pic. 1).

**Please note:** *If the panel weighs more than 350 Kg you must use a stopper. (See pic. 2 - 3).*

Always place the stopper on the inter-panel joint of the telescopic wall post or of an already positioned panel.

After reaching the panel's position, remove the stopper and gently connect the two panels together.

To achieve the best sound insulation, the wall(s) must always be built up perfectly plumb. Make sure that all the pressure seals have fully extended.

On (wicket) door panels, the operation of the seals on the door leaf is controlled by the mechanism in the door stile at the bottom on the hinge side.

Our movable walls don't need any maintenance! We recommend, however, an annual inspection by our service team.



Pic. 1: Panel movement



Pic. 2 - 3: left stopper, right stopper in use

## 5.2 Operating the movable wall.

Please make sure that all wicket doors are closed, before starting to build up or dismantle the wall(s).

### 5.2.1 The control panel

Turn the key in the control panel to activate the system. You can now carry out the following procedures:

#### "Close mobile wall"

When all the panels are in position, press the symbol "close" once (see pic. 4) to activate the pressure seals of the panels to extend.

#### "Open mobile wall"

When all the panels are in position, press the symbol "open" once (see pic. 5) to activate the pressure seals of the panels to retract.

#### "Zero/neutral position"

In this position (see pic. 6) the wall is deactivated and the key must be removed.



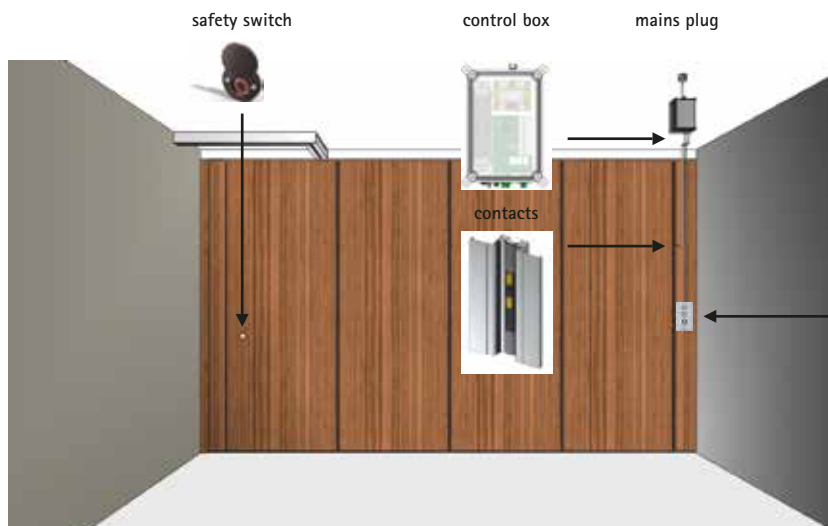
Pic. 4: control panel mode "close movable wall"



Pic. 5: control panel mode "open movable wall"



Pic. 6: control panel mode "zero/neutral position"



Pic. 7: Movable wall – semiautomatic operating system

## 5.2.2 Opening movable wall

By pressing the symbol on the control panel "open movable wall" (see Pic. 5) you start the process of opening the wall. (The symbol "open movable wall" lights up continuously). The vertical and horizontal pressure seals of the so-called telescopic panel retract automatically. Once the pressure seals have completely retracted, you can then disconnect the panel (by pulling it away) from the tongue and groove connection with the following panel (the symbol "open movable wall" will now flash).

As soon as the telescopic panel has been disconnected from the following panel, the horizontal pressure seals of the following panel start to open automatically (the symbol "open movable wall" lights up continuously). This cycle repeats itself regardless of the panel suspension and the track system.



### Step 1:

The vertical and horizontal pressure seals of panel (no. 1) retract.



### Step 2:

The panel (no. 1) can be disconnected from the following panel.



### Step 3:

The horizontal pressure seals of the following panel (no. 2) open automatically.

Pic. 8: Example of the opening procedure of panels with a single point suspension system.

### 5.2.3 Panel movement

The way the panels are moved depends on the suspension system of the panels and can be divided up as follows:

- Panel movement with single point suspension



#### Step 1:

Turn the panel through 90 degrees (no. 1).



#### Step 2:

Move the panel no. 1 at right angles to the tracks into the parking area in front of the wall.

The horizontal pressure seals of panel no. 2 retract automatically.



#### Step 3:

You can now detach panel no. 2 from panel no. 3.



#### Step 4:

Now move panel no. 2 in the same way as panel no. 1 into its final parking position.

Pic. 9: Example of the panel movement with a single point suspension.

- Panel movement with a two point suspension



**Step 1:**

Move panel no. 1 until the top roller reaches the branch track whilst pushing the top roller into the branch track.



**Step 2:**

Move panel no. 1 into its final parking position.

The horizontal pressure seals of panel no. 2 retract automatically



**Step 3:**

You can now detach panel no. 2 from panel no. 3



**Step 4:**

Move panel no. 2 until the top roller reaches the branch track whilst pushing the top roller into the branch track.

Move panel no. 2 into its final parking position.

Pic. 10: Example of panel movement with a two point suspension.

**Please note:** *When you build up the movable wall, you move the panels in the reverse order.*



### 5.2.4 Closing movable wall

By pressing the symbol "close" once on the control panel (see pic. 11), you start the process of building up the wall (the symbol "close movable wall" on the control panel lights up continuously.)

The first panel is moved out of the parking area with the female side first and moved into the male connection of the wall post. The horizontal pressure seals extend automatically. The optimal pressure has been reached as soon as seals have completely extended. The control panel symbol "close movable wall" will now blink and the next panel can be put into position. Repeat this procedure until you reach the telescopic panel.

The vertical seals of the telescopic panel must be extended with the use of the safety button, which is behind the circular cover (see pic 12). You must keep the safety button pressed (activate) while the vertical seals are extending.

The LED, which is integrated into the safety button, lights up when the telescopic panel is ready to extend. Release the safety button (stop pressing-deactivate) if there is any danger of anything obstructing the extension of seals.

Once the vertical seal have fully extended, the horizontal seals of the telescopic panel extend automatically.

### 5.2.5 After the building up and dismantling of the movable wall panel.

Turn the control panel key to "neutral" and then remove the key. (see pic. 12).



Pic. 11: Control panel mode "close movable wall"



Pic. 12: Safety switch



Pic. 13: Control panel mode "zero/neutral position"

## 6 Technical data

### Main control box:

- Input voltage: AC – 230 V - 50 Hz
- Output voltage: DC 24 V
- Power: 115 W
- Max. pressure: 2000 N
- Type of protection: IP 44

## 7 Guarantee

The movable wall with semiautomatic control is produced according to the recognised rules of technology and is subject to continuous quality controls.

The whole product is guaranteed for up to 5 years.

Nevertheless, should any error occur, please contact our service team immediately.

Damage caused by natural wear and tear, inappropriate use, or unauthorised modification is excluded from this guarantee.

## 8 Problem solving:

The pressure seals don't fully extend or retract:

- Check whether the correct symbol on the control panel was chosen.
- Check whether the movable wall panels were properly joined to each other.
- Check whether mains electricity is switched on.

## 9 General cleaning instructions

### Plastic finishes:

#### *Light, new stains:*

- Use paper towels; soft, clean cloth (dry or damp); sponge etc.
- When wet cleaning, wipe dry immediately with absorbent paper towels.

#### *Normal stains:*

- Clear, warm water; clean, soft duster or cloth; soft sponge or soft brush (e.g. nylon brush)
- Usual non-abrasive cleaners.
- Apply cleaner on a sponge and apply to the stain, allow to soak according to the severity of the stain. Wash off with clear water or glass cleaner. Repeat if necessary.
- Remove all remaining cleaning material to avoid streaks.
- Wipe the surface dry with absorbent paper towels. Change towels frequently.

### Wood finishes:

#### *Light and normal stains:*

- Paper towels; soft, clean towels (dry)
- When wet cleaning, wipe dry immediately with absorbent paper towels.

### Textile finishes:

#### *Light and normal stains:*

- Use a soft brush or a vacuum cleaner.

### Sheet steel finishes:

#### *Light, new stains:*

- Use paper towels; soft, clean cloth (dry or damp); sponge etc.
- When wet cleaning, wipe dry immediately with absorbent paper towels.

## Warning!

Do not use any abrasive materials (scouring powder, wire wool), polishes, waxes, furniture polish, or bleach for regular cleaning.

Do not use any strong acid or alkaline cleaning materials such as lime scale remover, formic acid, amino sulphates, drain cleaner, hydrochloric acid, silver polish, oven cleaner.

## 10 Taking out of operation

Should you take the movable wall out of operation, it must be disconnected from the mains and make sure that it cannot be reconnected unintentionally.

Please note: *The mains plug of the movable wall must always be accessible.*

## 11 Disposal

Please dispose of the movable wall according to current regulations. Information is available from your local council.

**Warning:** Danger caused by electricity  
The main control box runs on 230 V. There is, therefore, an increased danger of electric shocks or even death by electrocution.  
As a result any installation, connection or dismantling work should be carried out only by fully trained personnel.  
Before any work is carried out on the movable wall, it must be disconnected from the mains.

## 12 Address of manufacturer



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