



# User manual

## Cable Handswitch for installation in the desktop

HSE

Rev 3



MOTION FOR YOUR LIFE



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## 1. Preface

Dear customer,

Thank you for choosing a desktop integrated Handswitch HSE by **LOGICDATA Electronic & Software Entwicklungs GmbH**. You have purchased a state-of-the-art product.

## 2. General

### 2.1 Intended Use

The desktop-integrated handset HSE must be used with **LOGICDATA** control boxes. The HSE handswitch allows you to operate your height-adjustable desk from its surface, it is sunk into the tabletop, which gives you complete freedom in its placement and allows easy access. The control box must be installed, initially operated and functional tested by competent personnel only. Use other than described above is only allowed with permission of **LOGICDATA**.



**Information:** For all information concerning **LOGICDATA** control boxes please refer to the corresponding manual.

### 2.2 Definition



**Information:** For definitions and information concerning **LOGICDATA** Control boxes please refer to the applicable manual.

Aside of moving your table up and down your **LOGICDATA** control box is able to carry out other functions, like controlling the brightness of a lamp or a monitor – height adjustment. This function is called second motor group.

### 2.3 Functionality HSE

The HSE handswitch offers following functionality:

- Ergonomic design
- No protruding parts
- Durable Foil-Buttons
- Compatible with all **LOGICDATA** control boxes
- Fast and easy mounting



## 2.4 Package Contents

The HSE handswitch package contains:



Figure 1: Package contents

- ① HSE
- ② screws



**Danger:** Use only genuine replacement parts! Repairs must be carried out only by a qualified service technician! If you neglect to do so you void your warranty!



## 2.5 Overview

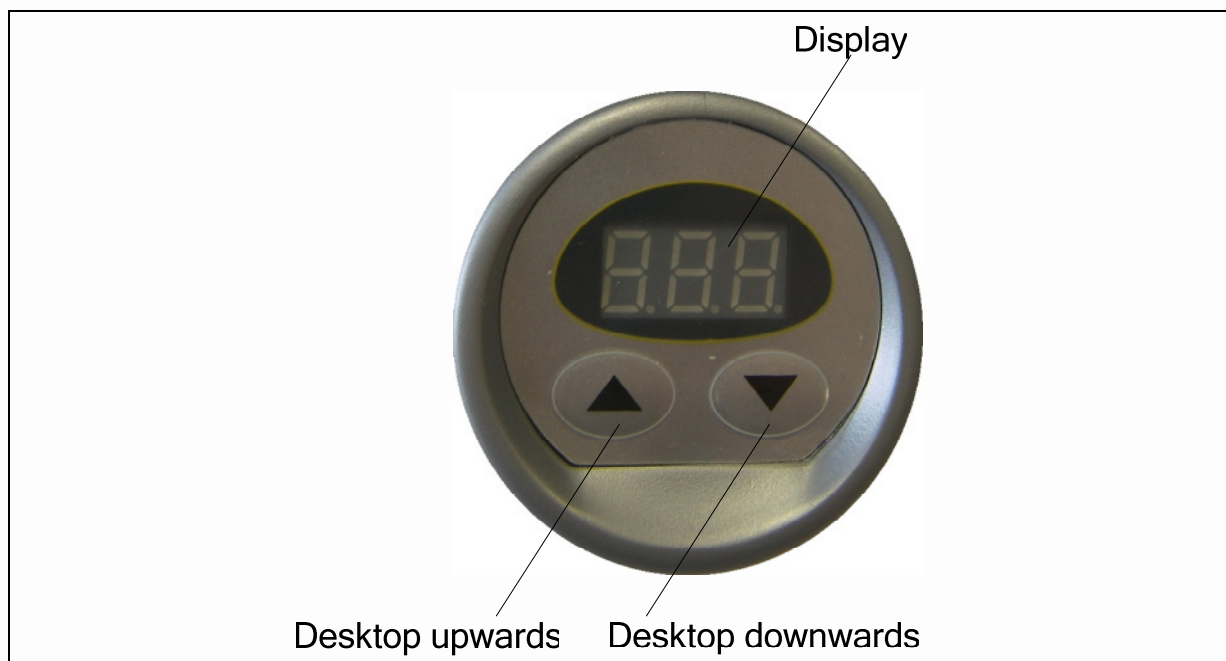
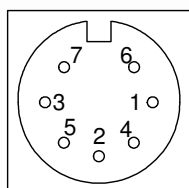


Figure 2: HSE-MDF-2-LD

## 2.6 Handswitch Plug

### Handswitch socket



1	RxD	5	HS2
2	HS3	6	TxD
3	HS1	7	+5V
4	HS4	Shell	Ground

(pin alignment according to DIN 45329)



**Caution:** The HSE handswitch is only suitable for LOGICDATA motor controls. To prevent damage of the unit, take care not to interchange handswitch and motor sockets.

**Colour code:** Handswitch: blue  
Motor: black





### 3. Mounting Instructions

Mount the HSE handswitch in an appropriate position.

1. Unpack the handswitch.



**Note:** Dispose of the packaging material ecologically sound (separate plastic foil and cardboard)!

2. Mill a mounting hole with 50mm diameter<sup>1</sup>.
3. Insert the desktop-integrated handset HSE into the mounting hole from the top.
4. Fix the HSE with the 2 enclosed screws underneath the desktop.

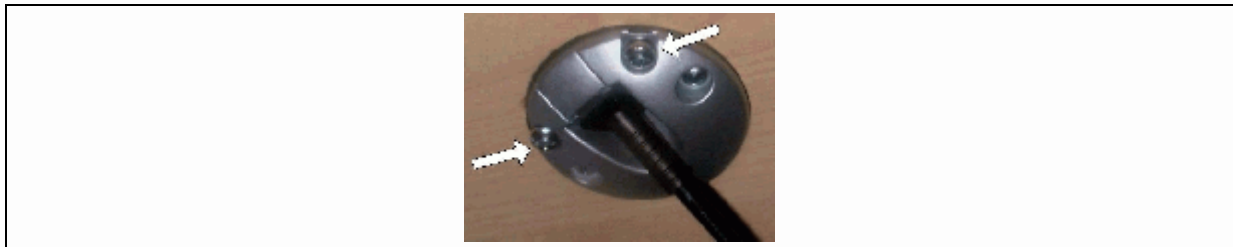



Figure 3: Step 4

5. Connect the handswitch to the control box using the jack marked with  only!  
Do not connect the handswitch plug to the motor jacks!



**Caution:** Unplug the power cord of the control unit while mounting the handswitch!

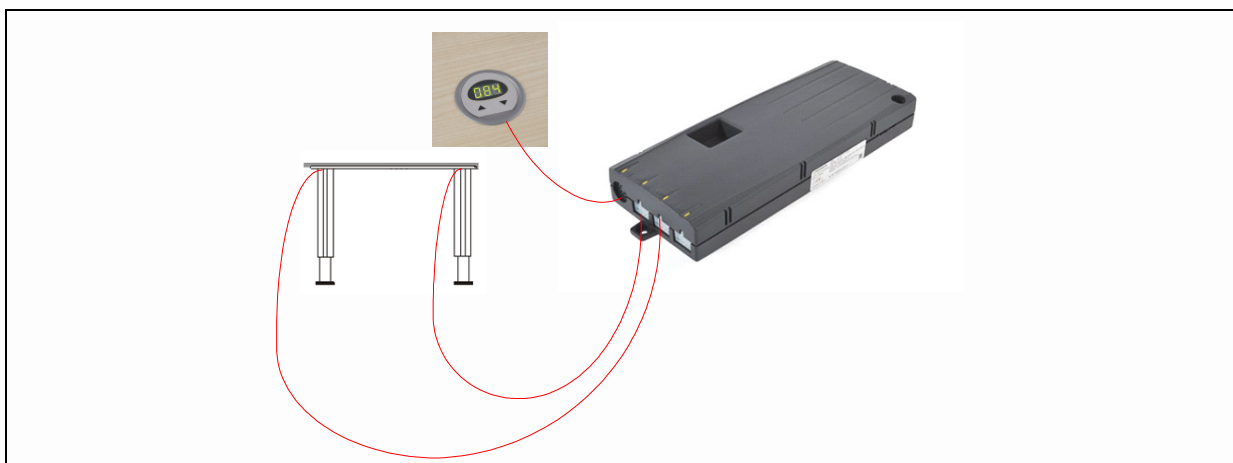


Figure 4: Connecting the HSE (e.g. COMPACT)

<sup>1</sup> The diameter of the mounting hole also depends on the material of the desktop. We recommend determining the diameter on the basis of a sample.



## 4. Functions



The HSE handswitch is capable of a wide range of functions, which are described below.

### 4.1 Display

The display of the HSE handswitch consists of a 3 digit position and information display.



### 4.2 Basic Functions

Function	Description	Note
Desk upwards 	For an upward adjustment of the desk push this button. Push this button until the desired height of the desk has been reached.	The desk will continue driving upwards until you release the button, or the maximum height is reached.
Desk downwards 	For a downward adjustment of the desk push this button. Push this button until the desired height of the desk has been reached.	The desk will continue driving downwards until you release the button, or the minimum height is reached.

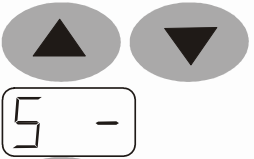
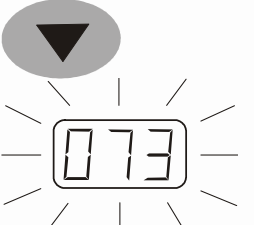

If you have the version with integrated display (HSE-MDF-2-LD), the current height of the desk will be displayed on your handset.



## 4.3 Advanced Functions

### 4.3.1 Change displayed height

This function allows you to change the displayed height. This procedure changes only the displayed height – the desk will not move.

1.		Press the <b>Up</b> and <b>Down</b> keys simultaneously and hold them until the display reads <b>S -</b> . The display reads <b>S -</b> .
2.		Release the <b>Up</b> key. Press and hold the <b>Down</b> key. After approximately 5 seconds, the display will change to the current height and start to blink.
3.		You may now adjust the displayed height using the <b>Up</b> and <b>Down</b> buttons.
4.		If you do not press any button for at least 5 seconds, the display stops flashing and the selected height will be the new displayed height.

## 5. Technical Data

Supply voltage	5VDC $\pm$ 10%
Current consumption (average)	60 mA
Life cycle (switching cycles)	10. 000
Ambient temperature	0 – 50° C
Cable length	2000 mm $\pm$ 20mm
Dimensions (l, w, h)	126mm x 70 mm x 25mm Without mounting plate
Weight	0,1 kg (incl. Cable)





## 6. Appendix

### 6.1 Possible Errors and Solutions

This chapter offers detailed information on possible troubles and solutions:


#### Display does not work (buttons work)

Possible Cause	Solution
Cable is defect	Contact our customer service
Display is defect	Contact our customer service / change the handswitch
Microcontroller is defect	Contact our customer service / change the handswitch
Handswitch is defect	Contact our customer service / change the handswitch

#### Buttons do not work (display works)

Possible Cause	Solution
Cable is defect	Contact our customer service
Handswitch is defect	Contact our customer service / change the handswitch

#### Handswitch does not work (neither display nor buttons)

Possible Cause	Solution
Cable is not plugged	Plug the plug in the intended jack marked with  .
Cable is not plugged as intended	
Bad pin contact	Plug off the plug and plug it in as intended (as described above)
Cable is defect	Contact our customer service



## 7. Further Information

### 7.1 End of life disposal

Please heed following disposal instructions when disposing of the HSE handswitch:



**Note:** Dispose of the components ecologically sound (separate plastic from electronics parts)!

### 7.2 Manufacturer

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