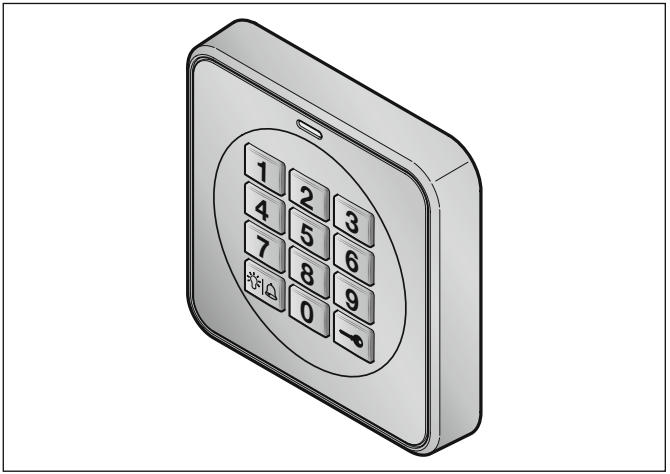


DE **Anleitung für Montage und Betrieb**
Codetaster CTR1-1 / CTR3-1 / CTV3-1 / CTP3-1

EN **Instructions for fitting and operating**
Digital coder CTR1-1 / CTR3-1 CTV3-1 / CTP3-1

FR **Instructions de montage et d'utilisation**
Clavier à code CTR1-1 / CTR3-1 CTV3-1 / CTP3-1

NL **Handleiding voor montage en bediening**
Codeschakelaar CTR1-1 / CTR3-1 CTV3-1 / CTP3-1

IT **Istruzioni per il montaggio e l'uso**
Tasto codifica CTR1-1 / CTR3-1 CTV3-1 / CTP3-1

ES **Instrucciones de montaje y funcionamiento**
Pulsador codificado CTR1-1 / CTR3-1 CTV3-1 / CTP3-1

PT **Instruções de montagem e funcionamento**
Sensor de código CTR1-1 / CTR3-1 CTV3-1 / CTP3-1

TR30G053 RE / 06.2017

HÖRMANN

CONTENTS

Dear Customer,

We thank you for choosing a quality product from our company.

1 About these instructions

These instructions contain important information on the product.

- ▶ Read through all of the instructions carefully.
- ▶ Please note the information. Please pay particular attention to the safety instructions and warnings.
- ▶ Keep these instructions in a safe place for later reference!
- ▶ Make sure that these instructions are available to the user at all times.

2 Safety instructions

2.1 Intended use

The CTR 1b-1 / CTR 3b-1 / CTV 3-1 / CTP 3-1 code switches are used to control operators and operator accessories.

Other applications are not permitted. The manufacturer is not liable for damage caused by improper use or incorrect operation.

2.2 Safety instructions for operation

⚠ DANGER

Risk of deadly electric shock from mains voltage

Contact with the mains voltage presents the danger of a deadly electric shock.

- ▶ Electrical connections may only be made by a qualified electrician.
- ▶ Make sure that the on-site electrical installation conforms to the applicable safety requirements (100 – 240 V AC, 50 / 60 Hz).
- ▶ If the device is permanently connected to the mains you must install an all-pole mains isolator switch with corresponding pre-fuse.
- ▶ Switch off the decoder unit at the mains prior to any work and secure it against unauthorized switching on again.

⚠ WARNING

Danger of injury during door travel

Persons may be injured by door operation if the code switch is actuated.

- ▶ Make sure that code switches are kept away from children and are only used by people who have been instructed on how the remote-controlled system functions!
- ▶ If the door has only one safety feature, only operate the code switch if you are within sight of the door.
- ▶ Drive or walk through the door openings of remote-controlled systems only when the door is in the Open end-of-travel position!
- ▶ Never stand in the door's area of travel.

ATTENTION

Functional impairment caused by environmental conditions

High temperatures, water and dirt impair the function of the code switch.
Protect the code switch from the following conditions:

- Direct sunlight (permissible ambient temperature -20 °C to +60 °C)
- Moisture
- Dust

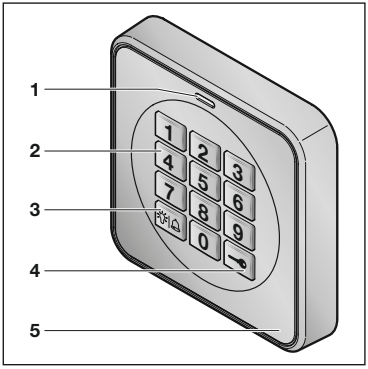
3 Scope of delivery

- Input device
- Decoder unit
- Wall holder
- Fixing material
- Operating instructions

4 Product description

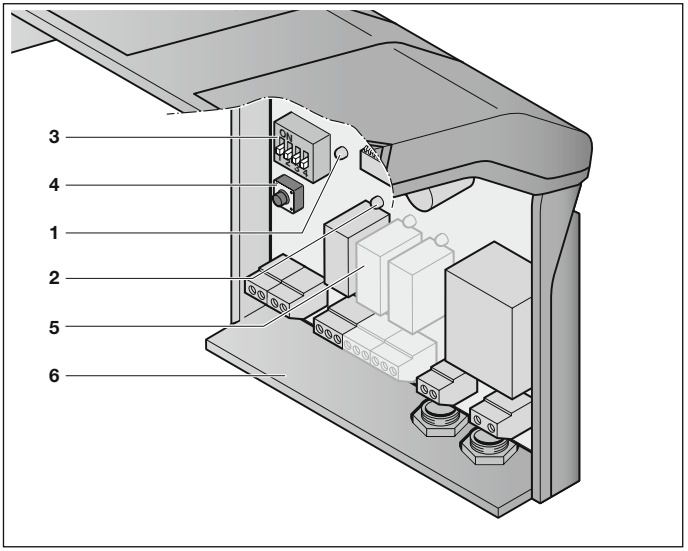
The code switch consists of an input device and a decoder unit. Access codes can be entered via the input device keypad. The access codes are saved in the decoder unit.

Input device



1 LED, bi-colour
2 Numerical keys
3 Bell button / light button
4 Key button
5 Housing

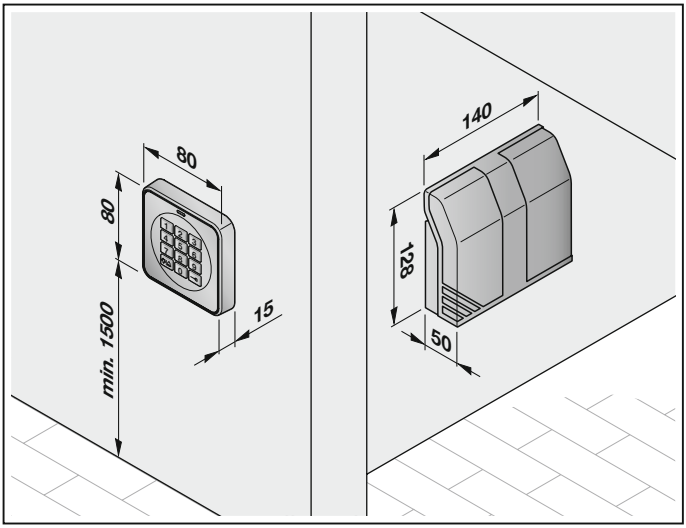
Decoder unit



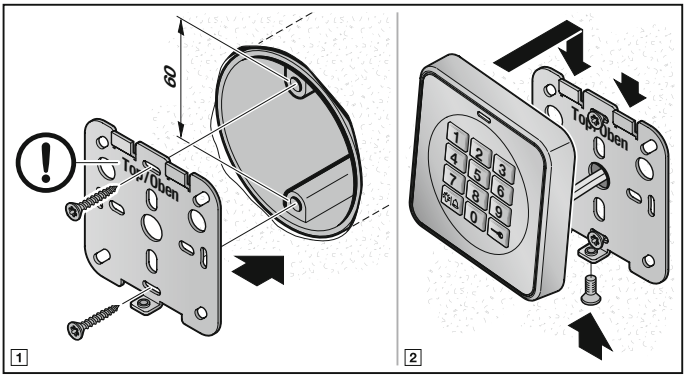
1 Blue LED
2 Green LED
3 DIL switches S1 – S4
4 Reset button S5
5 1 relay (CTR 1b-1) or 3 relays (CTR 3b-1, CTV 3-1, CTP 3-1)
6 Housing

5 Fitting

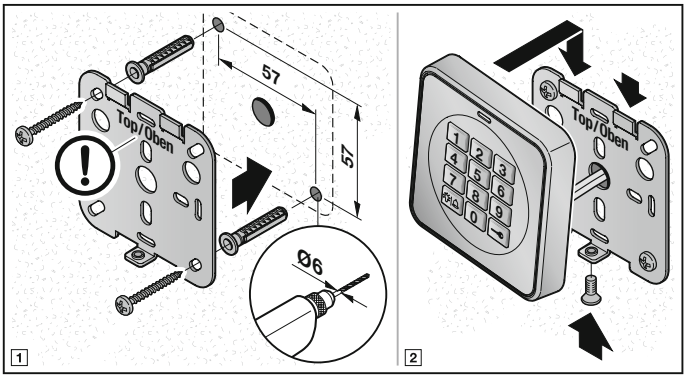
Affix the input device to an interior location of your choice or in a weather-proof exterior location. Please make sure that the decoder unit is fitted in an area safe from unauthorized access.



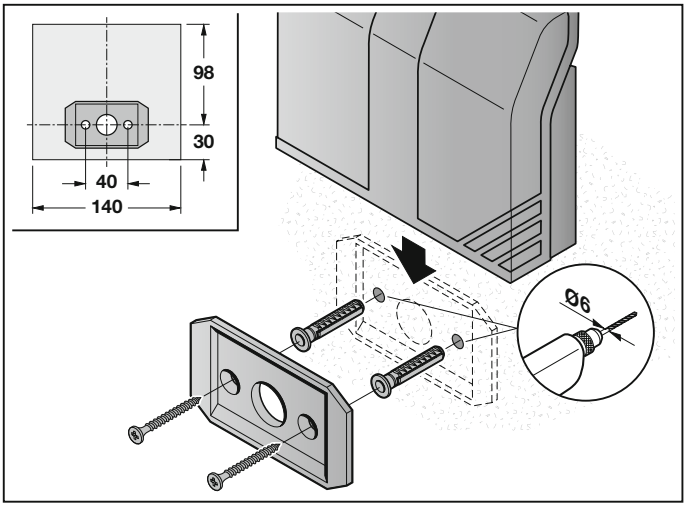
Input device fitted in a recessed socket



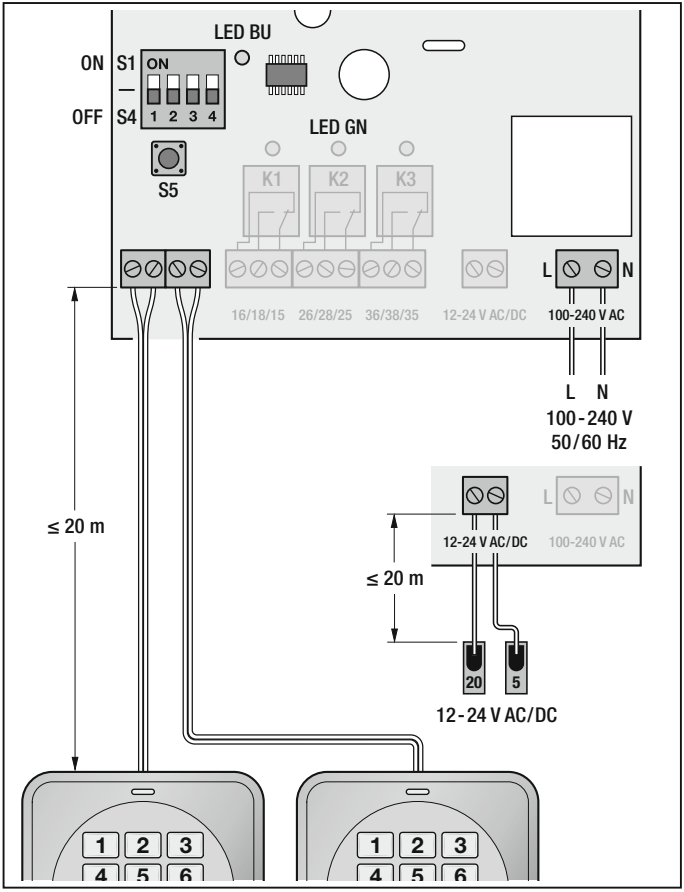
Input device surface-mounted

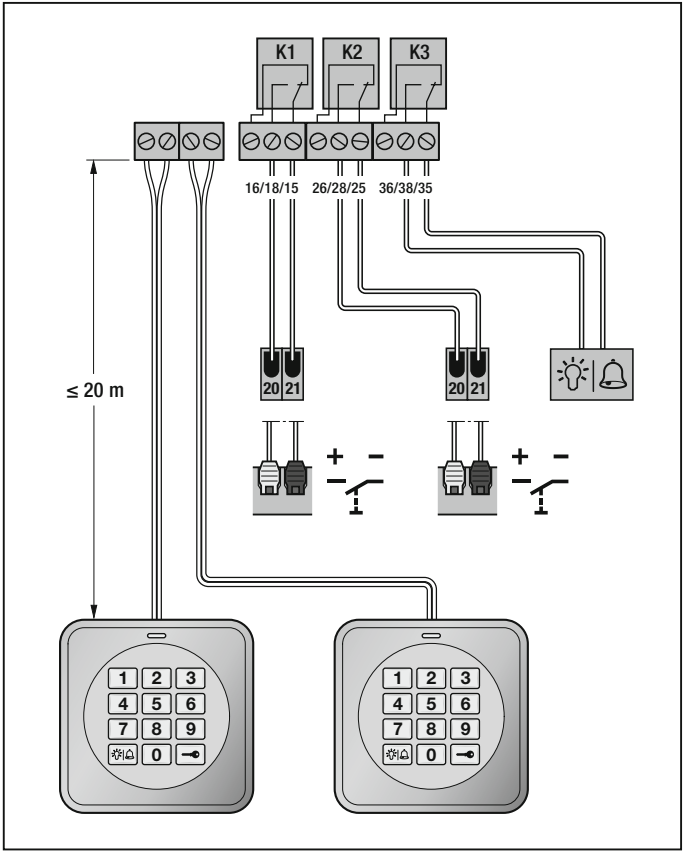


Decoder unit fitting



6 Installation




K1
K2
K3
16/18/15
26/28/25
36/38/35
≤ 20 m
20
21
20
21
+
−
+
−
1
2
3
4
5
6
7
8
9
0
1
2
3
4
5
6
7
8
9
0

7 Initial start-up

The blue LED is illuminated for 2 seconds after connecting the mains voltage. After the LED goes out, the code switch is ready for operation.

8 Functions / settings

The code switch functions can be adjusted with **DIL switches S1 – S4** on the decoder unit. All DIL switches are switched to **OFF** in the delivery condition.

▶ Please make sure to only adjust the DIL switches separately.

8.1 DIL switches S1 – S4

DIL switches		Relay	Functions
S1		K1	Save 10 access codes
S2		K2	Save 10 access codes
S3		K1 / K2	Adjust the impulse duration
		–	Adjust the key tone volume
S4		–	Adjust the keypad illumination and the function for repeated switching

8.2 Relays K1 – K3

Depending on the model, the decoder unit contains either 1 or 3 volt-free change-over relay contacts to control certain functions.

Relay	Terminals		Functions
K1		16 / 18 / 15	Impulse generator to control door operators
K2		26 / 28 / 25	Impulse generator to control door operators
K3		36 / 38 / 35	Impulse generator for the use of electrical devices (e.g. bell, illumination)

8.3 Saving access codes

For proper functioning of the code switch, it is required to save a 4 to 6-digit personal code. **It is not possible to save a personal code that only contains the number 0.**

1. On the decoder unit, set either the **S1** or **S2** DIL switch to **ON**.
2. Press the **key button** on the input device keypad.
   – The blue LED is illuminated briefly.
3. Press one of the numerical keys 0 – 9 on the input device keypad to enter the desired **storage location**.
   – The blue LED is illuminated briefly after a button is pressed.
4. Press the **key button** on the input device keypad.
   – The blue LED is illuminated briefly.
5. Press the numerical keys 0 – 9 on the input device keypad to enter the desired 4 to 6-digit **access code**.
   – The blue LED is illuminated briefly after a button is pressed.
6. Press the **key button** on the input device keypad.
   – The blue LED is illuminated briefly.
   – The red LED flashes 3 × if an invalid code is entered.
7. To confirm the code, enter the 4 to 6-digit **access code** once more to the input device keypad using the numerical keys 0 – 9.
   – The blue LED is illuminated briefly after a button is pressed.
8. Press the **key button** on the input device keypad.
   – The blue LED is illuminated briefly.
   – The red LED flashes 3 × if an invalid code is entered.
9. On the decoder unit, set either the **S1** or **S2** DIL switch to **OFF**.
   The access code has been saved.

8.4 Deleting access codes

A previously saved access code can be deleted with the **S1** or **S2** DIL switches on the decoder unit.

1. On the decoder unit, set either the **S1** or **S2** DIL switch to **ON**.
2. Press one of the numerical keys 0 – 9 on the input device keypad to enter the **memory space** that is to be deleted.
   – The blue LED is illuminated briefly after a button is pressed.
3. Press the **key button** on the input device keypad.
   – The blue LED is illuminated briefly.
4. On the decoder unit, set either the **S1** or **S2** DIL switch to **OFF**.
   The access code has been deleted.

8.5 Key tone volume

The key tone volume can be adjusted in stages on the input device. The volume is set to **quiet** in the delivery condition.

1. On the decoder unit, set the DIL switch **S3** to **ON**.
2. Press one of the numerical keys **0 – 3** on the input device keypad to enter the desired volume.
   – The blue LED is illuminated briefly after a button is pressed.
3. Press the **key button** on the input device keypad.
   – The blue LED is illuminated briefly.
4. On the decoder unit, set the DIL switch **S3** to **OFF**.
   The desired volume has been set.

DIL switches		Button	Volume
S3		0	Switched off
		1	Quiet
		2	Normal
		3	Loud

8.6 Impulse duration

The impulse duration of relays **K1** and **K2** can be adjusted individually between 1, 3 and 5 seconds. The impulse duration is set to 1 second in the delivery condition.

1. On the decoder unit, set the DIL switch **S3** to **ON**.
2. Press one of the numerical keys **4 – 9** on the input device keypad to enter the desired impulse duration.
   – The blue LED is illuminated briefly.
3. Press the **key button** on the input device keypad.
   – The blue LED is illuminated briefly.
4. On the decoder unit, set the DIL switch **S3** to **OFF**.
   The desired impulse duration has been set.

DIL switches		Relay		Button	Impulse duration
S3		K1		4	1 second
				5	3 seconds
				6	5 seconds
S3		K2		7	1 second
				8	3 seconds
				9	5 seconds

8.7 Keypad illumination

You can turn the keypad illumination on or off on the input device.
The illumination is switched on in the delivery condition.

1. On the decoder unit, set the DIL switch **S4** to **ON**.
2. Press the **0** or **1** button on the input device keypad.
   – The blue LED is illuminated briefly.
3. Press the **key button** on the input device keypad.
   – The blue LED is illuminated briefly.
4. On the decoder unit, set the DIL switch **S4** to **OFF**.
   The keypad illumination has been set.

DIL switches		Button	Keypad illumination
S4		0	Switched off
		1	Switched on

9 Normal operation

9.1 Entering access codes

In order to prevent unauthorized persons from memorising the access code, any number of numerical keys can be pressed during input. **Only the last four to six numerical keys pressed will be used as the access code.**

1. Press the numerical keys 0 – 9 on the input device keypad to enter the valid 4 to 6-digit **access code**.
   – The blue LED is illuminated briefly after a button is pressed.
2. Press the **key button** on the input device keypad.
   – The blue LED is illuminated briefly.
   – The red LED flashes 3 × if an invalid code is entered.
   The access code has been entered and the corresponding relay switches.

9.2 Repeated switching

After entering a valid access code and pressing the key button, pressing any of the numerical keys will cause relay **K1** or **K2** to switch again. In the delivery condition, the repeated switching function is set to 5 seconds.

1. On the decoder unit, set the DIL switch **S4** to **ON**.
2. Press one of the numerical keys **2 – 4** on the input device keypad to enter the desired **switching phase**.
   – The blue LED is illuminated briefly.
3. Press the **key button** on the input device keypad.
   – The blue LED is illuminated briefly.
4. On the decoder unit, set the DIL switch **S4** to **OFF**.
   The desired switching phase has been set.

NOTE

Pressing the **bell button / light button** will cancel the repeated switching function. The device switches to normal operation.

DIL switches		Relay		Button	Switching phase
S4		K1		2	Switched off
		K2		3	5 seconds
				4	20 seconds

9.3 The bell button / light button

By pressing the **bell button / light button** on the input device keypad, you can, for example, activate a bell or switch on illumination.

▶ Press the **bell button / light button** on the input device keypad.
  – Relay K3 is active for as long as the button is pressed.
  A bell has been activated or illumination has been switched on.

NOTE

If the **bell button / light button** is pressed for longer than 4 seconds, relay K3 remains active for a maximum of 3 minutes. The button does not need to remain pressed.

10 Blocking phase

The input device keypad is blocked for a duration of 10 seconds under the following conditions:

- An invalid access code has been entered.
- The key button has been pressed before code input.

The **bell button / light button** remains active during the blocking phase.

11 Reset

The device can be reset to delivery condition with the reset button **S5** on the decoder unit. All saved access codes are deleted. **There is the risk of locking yourself out.**

1. Press and hold the reset button **S5** on the decoder unit.
   – The blue LED flashes slowly for 5 seconds.
   – The blue LED flashes quickly for 2 seconds, then goes out.
2. Release the reset button **S5**.
   The device is in the delivery condition.

NOTE

If the reset button **S5** is released prematurely, the device reset is cancelled and a **restart** performed. The device will not be set to the delivery condition.

12 LED display / signal tones

Signalling on the input device

LED	State	Signal tone	Function
Blue (BU)	Flashes briefly 1 ×	Short	Acknowledgement of a pressed button
	Flashes for 1 second	Short	Acknowledgement of a valid access code
	Illuminated for 2 seconds	Short	Saving an entry
Red (RD)	Flashes briefly 3 ×	Short	Entering an invalid access code
			Access code already exists
	Flashes continuously	Interval	DIL switches S1-S4 are activated simultaneously
	Flashes briefly 1 ×	Short	End of blocking phase

Signalling on the decoder unit

LED	State	Signal tone	Function
Green (GN)	Illuminated for as long as the relay is active	—	Impulse
Blue (BU)	Flashes slowly for 5 seconds, flashes quickly for 2 seconds, then goes out	—	Reset on the decoder unit
	Flashes continuously	Interval	DIL switches S1-S4 are activated simultaneously

13 Cleaning

ATTENTION

Damage to the code switch through improper cleaning

Cleaning the input device with unsuitable cleaning agents can damage the surface.

- Clean the input device with a clean, damp cloth.
- Clean water is sufficient for cleaning and care.
- Use warm water together with a neutral, non-abrasive cleaning agent (household detergent, pH value 7) if more heavily soiled.
- The device must be cleaned regularly to ensure reliable operation.

14 Dismantling and disposal

Electrical and electronic devices, as well as batteries, may not be disposed of in household rubbish. They must be returned to the appropriate recycling facilities.

15 Technical data

Input device

Dimensions (W × H × D)	80 × 80 × 15 mm
Power supply	Low voltage through the decoder unit
Connection cable	5 m, 2 × 0.75 mm²
Protection category	IP 65
Perm. ambient temperature	-20 °C to +60 °C

Decoder unit

Dimensions (W × H × D)	140 × 128 × 50 mm
Power supply	12 – 24 V AC / DC 100 – 240 V AC
Nominal current	5 A per relay
Power consumption in stand-by	maximum 1.5 W
Relay switching capacity	240 V / 5 A, resistive load
Impulse duration	1, 3 or 5 seconds
Memory spaces	Relay K1 = 10 Relay K2 = 10
Protection category	IP 20
Perm. ambient temperature	-20 °C to +60 °C

16 EU Declaration of Conformity

Manufacturer	Hörmann KG Verkaufsgesellschaft
Address	Upheider Weg 94-98 D-33803 Steinhagen

The above-stated manufacturer herewith declares that this product

Equipment/system	Code switch
Model	CTR 1b-1 / CTR 3b-1 / CTV 3-1 / CTP 3-1
Intended use	Controlling operators and operator accessories

conforms to the respective essential requirements of the directives listed below with intended use, on the basis of its design and type in the version marketed by us:

2014/35/EU (LVD)	EU Low-Voltage Directive
2014/30/EU (EMC)	EU Electromagnetic Compatibility Directive
2011/65/EU (RoHS)	Restriction of Use of Hazardous Substances

Applied standards and specifications:

EN 60950-1	Product safety
EN 61000-6-2	Interference immunity
EN 61000-6-3	Interference emission

Any modification made to this device without our express permission and approval shall render this declaration null and void.

Steinhagen, 06.06.2017

Axel Becker
Management