

# **B-Tronic VarioControl**

## **VC3201B**

**en**

**Assembly and Operating Instructions**  
**Transmitter, 1-channel, bidirectional**

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## General

You can operate drives and control units with bidirectional KNX radio with this transmitter.

This device is exceptionally easy to use.


Please observe these Assembly and Operating Instructions when installing and setting up the equipment.

### Explanation of pictograms

	<b>CAUTION</b>	CAUTION indicates a hazardous situation which, if not avoided, could result in injury.
	<b>ATTENTION</b>	ATTENTION indicates measures that must be taken to avoid damage to property.



Denotes user tips and other useful information.

You will find the current status on the type plate according to the following symbol:   
The description of the acknowledgement can be found in the relevant instructions for the receiver.

## Warranty

Structural modifications and incorrect installation which are not in accordance with these and our other instructions can result in serious injuries, e.g., crushing of limbs. Therefore, structural modifications may only be carried out with our prior approval and strictly in accordance with our instructions, particularly the information contained in these Assembly and Operating Instructions.

Any further processing of the products which does not comply with their intended use is not permitted.

The end product manufacturer and fitter have to ensure that all the relevant current statutory, official and, in particular, EMC regulations are adhered to during utilisation of our products, especially with regard to end product manufacture, installation and customer advice.

## **Safety instructions**

### **General information**

Important information for:

Fitters / Electricians / Users

Please forward accordingly!

- Please keep the instructions safe!
- Only use in dry rooms.
- Only use unmodified original parts from the control unit manufacturer.
- Keep children away from control units.

- Observe all pertinent country-specific regulations.
- Dispose of exhausted batteries properly. Only replace batteries with the identical type (see Technical data).



### **Caution**

- **Keep people out of the system's range of travel.**
- **If the system is controlled by one or more transmitters, the system's range of travel must always be visible during operation.**
- **Device contains small parts that can be swallowed.**

## Intended use

The transmitter described in these instructions may only be used for operating suitable drives and control units with bidirectional KNX radio. You can operate either one group or a number of groups of devices with this transmitter.

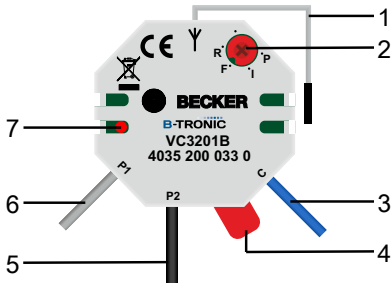
- Please note that radio-controlled systems may not be used in areas with a high risk of interference (e.g. hospitals, airports).
- The remote control is intended solely for use with equipment and systems in which malfunctions in the transmitter or receiver would not pose any risk to persons, animals or property, or which contain safety devices to eliminate such risks.
- The operator is not protected from interference from other telecommunications systems and terminal equipment (e.g. even from radio-controlled systems which are properly operated in the same frequency range).
- Only connect radio receivers to devices and systems approved by the manufacturer.





- **Ensure that the control unit is not installed or operated close to metal surfaces or magnetic fields.**
- **Radio-controlled systems transmitting on the same frequency may cause reception interference.**
- **Note that the range of the radio signal is limited by legislation as well as by design.**

## Explanation of displays and buttons



1. Antenna

2. Function selection switch	Position P	Drive
	Position I	ON/OFF
	Position F	Standard
	Position R	Dimmer
3. Reference potential of button inputs P1 and P2		
4. Battery protective strip		
5. Button input P2		
6. Button input P1		
7. LED		

## Wiring

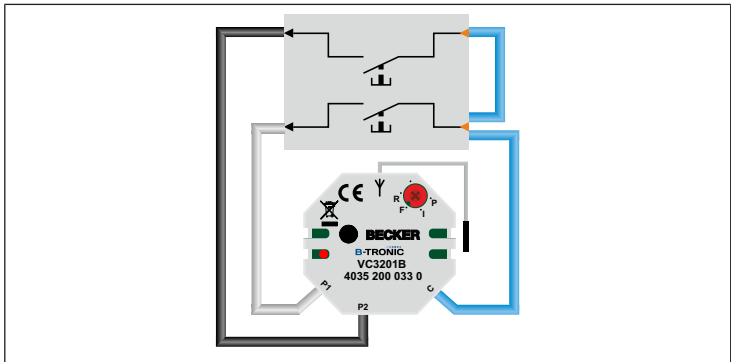


Ensure that there is optimal radio reception.

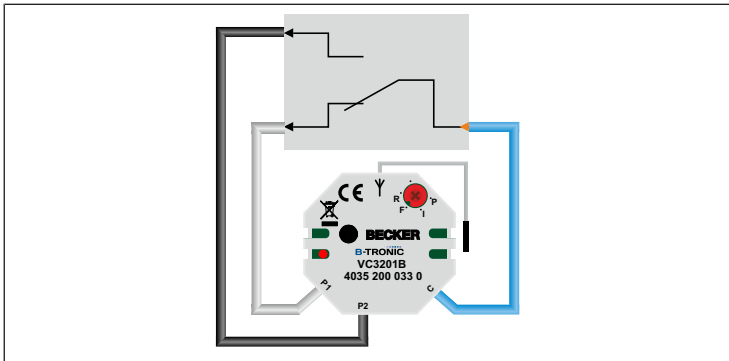
### **Drive / dimmer connection with a 2-way changeover switch (no 2-way changeover switch for roller shutters)**



The assignment of the wires P1 and P2 according to the direction of travel is dependant on how the drive is installed (mounted to the right or to the left).



## ON/OFF control unit connection (e.g., lighting) with a 1-way changeover switch



## **Programming transmitters in a B-Tronic device or KNX RF compatible device from another manufacturer**

Put the receiver into programming mode.

Please find the appropriate description in the instructions for the receiver.

Set the function selection switch to the required position (P = drive, I = ON/OFF, R = dimmer). Now press a button on the connected operator unit. Wait until the receiver confirms programming.

Then set the function selection switch back to position "F".

The programming process is now complete.

## **Use in system network**

You cannot make any settings (e.g., limit positions, etc.) to B-Tronic devices using this transmitter. The transmitter can only be used for operation.

## **Operating drives**

For the desired direction, press the relevant button on the operator unit for about 1 second.

For the STOP command, briefly press any button on the operator unit.

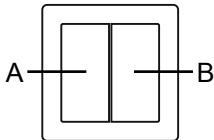


## Operating dimmers

Press any button on the operator unit for about 1 second to switch the lights on.



**The assignment of the buttons A and B depends on how the wires P1 and P2 are connected to the operator unit.**



Button A for switching on and dimming brighter

Button B for switching off and dimming darker

## **Switching on**

Press button A for about 1 second.

## **Dimming brighter**

Press button A until the desired brightness value is reached.

## **Dimming darker**

Press button B until the desired brightness value is reached.

## **Switching off**

Briefly press button B.

## **Clearing transmitters from a B-Tronic device or KNX RF compatible device from another manufacturer**

Put the receiver into programming mode.

Please find the appropriate description in the instructions for the receiver.

Set the function selection switch to the required position (P = drive, I = ON/OFF, R = dimmer). Now press a button on the connected operator unit. Wait until the receiver confirms clearing.

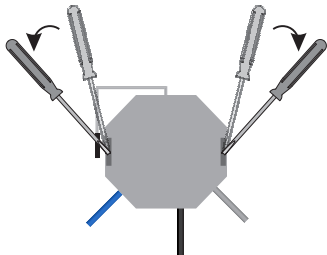
Then set the function selection switch back to position "F".

The clearing process is now complete.

## Changing batteries



You will find the appropriate battery type in the "Technical data" chapter.



1. Open the cover of the battery compartment.
2. Carefully remove the PCB from the housing.
3. Take out the batteries.
4. Insert the new batteries correctly.
5. Carefully place the PCB back into the housing.
6. Close the cover of the battery compartment.

## Technical data

Rated voltage	3 V DC
Battery type	CR 2025
Degree of protection	IP 20
Permissible ambient temperature	0°C to +45°C
Maximum emitted transmission output	≤ 25 mW
Radio frequency	868.3 MHz

The maximum transmitter range on and in the building is up to 25 m, and up to 350 m in the open.

## What to do if...?

Problem	Remedy
Receiver does not react, status LED remains off.	Insert a new batteries.
	Insert the batteries correctly.
	Remove the battery protective strip.
	Reduce the distance to the receiver.
	Program transmitter.
	Check the receiver.
	Set the function selection switch to position "F".
	Programme the receiver with the function selection switch in the right position.

## Simplified EU declaration of conformity

Becker-Antriebe GmbH hereby declares that this radio control system complies with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following web address:

[www.becker-antriebe.com/ce](http://www.becker-antriebe.com/ce)



Subject to technical changes without notice.













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