

B-Tronic VarioControl

VC5801B

en

Assembly and Operating Instructions

Retransmitter KNX

Important information for:

- Fitters / • Electricians / • Users

Please forward accordingly!

These instructions must be kept safe for future reference.

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General

With the KNX retransmitter you can extend the radio range of a transmitter from the B-Tronic range of control units. Under optimum conditions, the range can be doubled. The radio signal range of the transmitter can be extended to a maximum of five times that of the original.

Explanation of pictograms

	CAUTION	CAUTION indicates a hazardous situation which, if not avoided, could result in injury.
	ATTENTION	ATTENTION indicates measures that must be taken to avoid damage to property.
		Denotes user tips and other useful information.

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

- 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.



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.**

Intended use

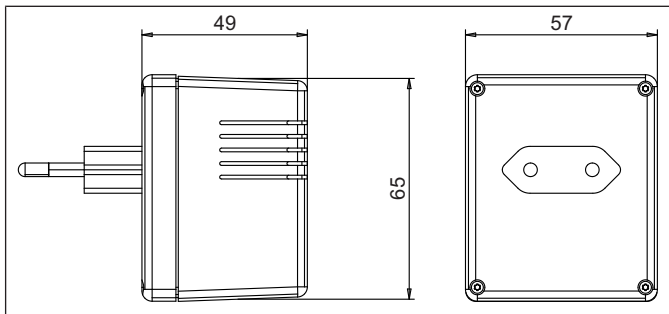
The KNK retransmitter must only be used to optimise the range of Becker B-Tronic products and KNX RF products that are compatible with the B-Tronic.

- 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.

Dimensional drawing



Explanation of functions

The device exclusively receives Becker B-Tronic radio signals, records them temporarily and then retransmits them with a time delay of approx. 0.1 s. The device comprises one radio receiver and one radio transmitter. It is not necessary to program the VC5801B.

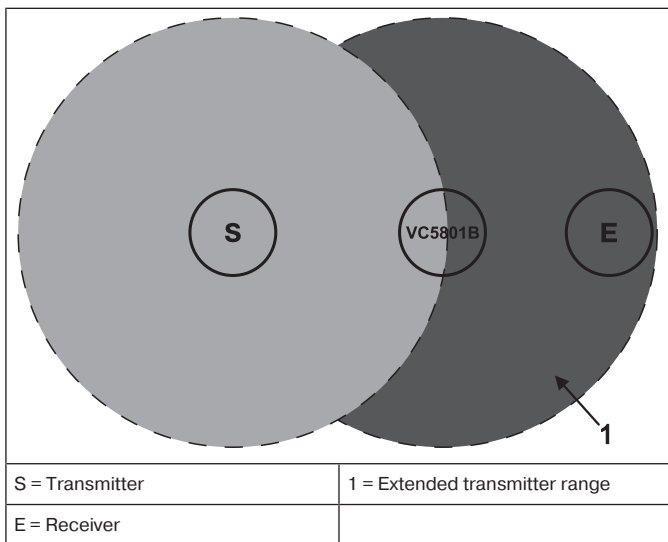


Assembly

Plug the VC5801B into a power socket. When choosing a plug socket, please note that the VC5801B will optimally extend your radio network by locating it approximately halfway between the products for which you wish to extend the radio range.

The VC5801B works best if placed at a higher level, e.g., on a shelf or on top of a cupboard. Make sure that there are no metal surfaces in close proximity to the radio repeater such as a steel cabinet or a metal window sill. Such surfaces can seriously impair the function of the radio repeater.

When positioning the VC5801B, we recommend using a radio analysis tool to check that the radio signal is stronger at the receiver to which it is coupled.



Cleaning

Only clean the device with a suitable cloth. Do not use aggressive cleaning agents that may damage the surface.

Technical data

Rated voltage	230 V AC / 50 Hz
Degree of protection	IP 40
Permissible ambient temperature	0°C to +45°C
Maximum emitted transmission output	≤ 25 mW
Radio frequency	868.3 MHz

What to do if...?

Problem	Remedy
Receiver is not responding.	The VC5801B is outside the radio range of the transmitter/receiver. Plug the VC5801B in at another location.
	The VC5801B has no power supply. Check that the socket outlet to which the VC5801B is connected is live.

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



Subject to technical changes without notice.



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