

Conversion instructions

Kone OAK

with device series

Door control unit

TSG

Documentation history

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Fordern Sie die Umbauanleitung auf **Deutsch** an,
indem Sie den QR Code einscannen.



Demandez les instructions d'instruction de mon-
tage **en français**, en scannant le code QR.

Langer & Laumann Ing.-Büro GmbH
Wilmsberger Weg 8
48565 Steinfurt
Germany

Tel.: +49 (2552) 92791 0

www.lul-ing.de
info@lul-ing.de

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1 Essential information

1.1 Value of assembly instructions

The product assembly instructions are provided by the manufacturer or supplier to provide the information required by the customer or fitter to ensure proper, safe and reliable assembly. These brief assembly instructions serve to clarify the basic steps of mechanical assembly. The electrical connection, commissioning and settings of the TSG are explicitly not part of these instructions.

1.2 Copyright protection

We reserve all rights for this technical documentation. It may not be duplicated, made accessible to third parties or otherwise used in an unauthorised manner without our prior consent. Any changes require our explicit and prior written consent.

1.3 Instructions in the assembly manual

All instructions in the assembly manual must be followed without exception.

1.4 Informal activities performed by the fitter

The system fitter is personally responsible for participating in a training course. He or she must inform the manufacturer/supplier without delay of any missing or defective parts in the delivery.

1.5 Requirements for assembly personnel



Persons responsible for installation and maintenance must be instructed regarding generally applicable safety and labour health requirements. They must be familiar with Langer&Laumann products. Installation tools must be fully functional and measuring instruments must be subject to continuous monitoring.

2 Activity performed

Replacement of the Kone OAK door drive with a  **Langer & Laumann Ing. Büro GmbH TSG door drive.**

The purpose of the conversion is to replace the existing Kone OAK drive with a TSG drive.

3 Advantages

- Very economical package.
- Quick and easy replacement of the existing door drive with a TSG from  **Langer & Laumann Ing. Büro GmbH .**
- **Just a few** mechanical attachments are required.
- All necessary parts are included with delivery.
- Conversion can be performed **very quickly** and **easily**.
- The electrical wiring can also be performed by **less experienced fitters**.
- **No hand-held** terminal is required for setting parameters. All parameters can easily be adjusted on the device.
- **Measurements can be performed very easily.**
- The conversion kit is available from  **Langer & Laumann Ing. Büro GmbH** as **warehouse inventory**.

4 Tools required

Metal drill bits 6, 9, and 11 mm
Fork wrenches size 8, 10, 13, 17
Screwdriver
Side cutter

5 Conversion instructions



NOTE:

The order of assembly listed here is simply a recommendation. There is no claim of completeness.

1. Disassembly of the existing drive.
2. Assembly of the TSG drive on the combination bracket (see Fig. 10: explosion drawing / page 11).
3. Assembly of the TSG counter roller with clamping station on hat-shaped combination bracket.
4. Assembly of unit on the mounting plate for hat-shaped combination bracket.
5. Assembly of the door panel carriers on the fast door panel and assembly of the TSG toothed belt lock on the TSG door panel carrier.
6. Assembly of the TSG drive unit and deflection roller unit on the door machine.
7. Set the TSG toothed belt in place. The toothed belt lock must be positioned at the height of the toothed belt or toothed wheels (must line up). Use the clamping station to tension the toothed belt.
8. Position the end stops or buffer stops. The door panel carrier must be able to reach the end stops when the door is completely closed or open.
9. Check the travel path.
10. A second safety circuit contact must be installed for a door that opens centrally so that both door panels can be queried.
11. Measure the TSG electronics unit. Make certain there is a fixed stop in both the open and closed positions. For the remainder of commissioning and electrical connection process, please refer to the TSG manual.

6 Illustrations



Fig. 1: Kone OAK before conversion



Fig. 2: TSG in Kone OAK, overall view



Fig. 3: TSG drive side



Fig. 4: TSG drive side



Fig. 5: TSG deflection roller



Fig. 6: TSG deflection roller



Fig. 7: TSG deflection roller



Fig. 8: TSG door panel carrier



Fig. 9: TSG door panel carrier

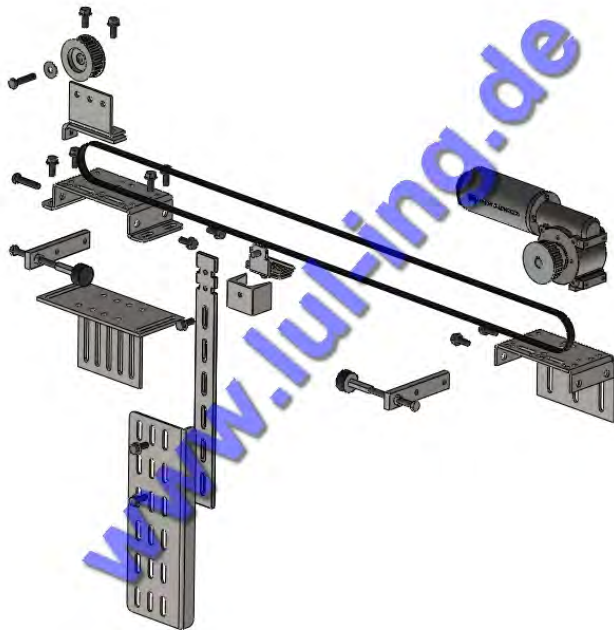


Fig. 10: explosion drawing

7 Contact

If you have questions or are not certain about something, we can be reached at the following address:

***Langer & Laumann Ing.-Büro GmbH
Wilmsberger Weg 8
D-48565 Steinfurt, Germany***

Phone: +49 (2552) 92791 0

E-mail: info@LuL-Ing.de

Web: www.LuL-Ing.de