

Installation Instructions

Slycma Dyn

with device series

Door control unit

TSG

Dokumentationshistorie

Nr.	Ver.	Stand	Bearbeiter
1	1.0	22.10.14	RAU
2	1.1	26.11.15	JE
2	1.2	02.01.20	CSA



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



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

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1 Essential information

1.1 Significance of conversion instructions

The products conversion instructions is enclosed 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 procures the basic steps of mechanical assembly. The electrical connection, commissioning and settings of the TSG are not part of these instructions.

1.2 Copyright

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

1.3 Instructions in manual

All instructions in the manual must be followed without exception.

1.4 Informal arrangements by the fitter

The 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 to assembly staff



Personen, die für den Einbau und Instandhaltung zuständig sind, sollen über die allgemein geltenden Sicherheits- und Arbeitshygienevorschriften unterrichtet sein. Sie sollen die Langer&Laumann-Produkte kennen. Die Installationswerkzeuge sollen funktionstüchtig sein und die Messinstrumente einer ständigen Kontrolle unterzogen werden.

2 Actions to be taken

Replacement the Slycma door drive with a **Langer & Laumann Ing. Büro GmbH TSG door drive**.

The purpose of the conversion is to replace the existing Slycma 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 Parts list

Pos.	Artikelnummer	Benennung	Menge
1	1.20.60060	TSG universal bracket, version "hat"	2,00
2	8.20.13470	screw bag TSG Vario	1,00
3	1.20.60069	TSG door panel coupler, XL (ca. 67,5cm)	1,00
4	8.20.00131.04	TSG V4 Lift Door Operator -Electronic extern- 230[VAC]/50-60	1,00
5	8.20.82113	TSG brackets for TSG Sinus Drive	1,00
6	8.20.83111	TSG Sinus Drive left for interlock operation	1,00
7	1.20.60004	TSG door panel coupler	1,00
8	8.20.40000.K1	Motor Large Left & Gearbox, 24V/4,6A/1:15	1,00
9	8.20.60002.40	TSG toothed belt [4,0m]	1,00
10	8.20.10010	TSG brackets for conversion, in carton	1,00
11	1.20.91923	Dokumentation TSG in Slycma Dyn Tür	1,00

6 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 TSG drive to hat-shaped combination bracket.
3. Assembly of the TSG counter roller with clamping station on hat-shaped combination bracket.
4. 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
5. Assembly of the TSG drive unit and deflection roller unit on the door machine. The TSG drive can be mounted on the left or right side of the door machine (regardless of the opening direction of the door machine).
6. 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.
7. 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.
8. Check the travel path.
9. A second safety circuit contact must be installed for a door that opens centrally so that both door panels can be queried.
10. 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.

11. **Mounting the TSG sinus drive.** TSG sinus Drive performs a linear movement, which can be used to actuate a latch or Camlock on an elevator car. It is controlled via the TSG electronics.
12. Disassemble the rod on the Camloc
13. Drill Above the old rod of the Camlock, a 8.5mm hole and mount the supplied roles.
14. TSG sinus drive as mounted in the when extended state the Camlock is completely closed. When needed, the operating curve of the TSG sinus drive can be shortened with an angle grinder.
15. The electrical connection is made using the cable supplied.
16. Commissioning and electrical connection is made at this point to the manual of the expansion board.
17. If the rotation direction rotation of the TSG sinus drive be the wrong way round, only the polarity of the motor must be replaced.

7 Figures



Fig. 1: Slicma before conversion

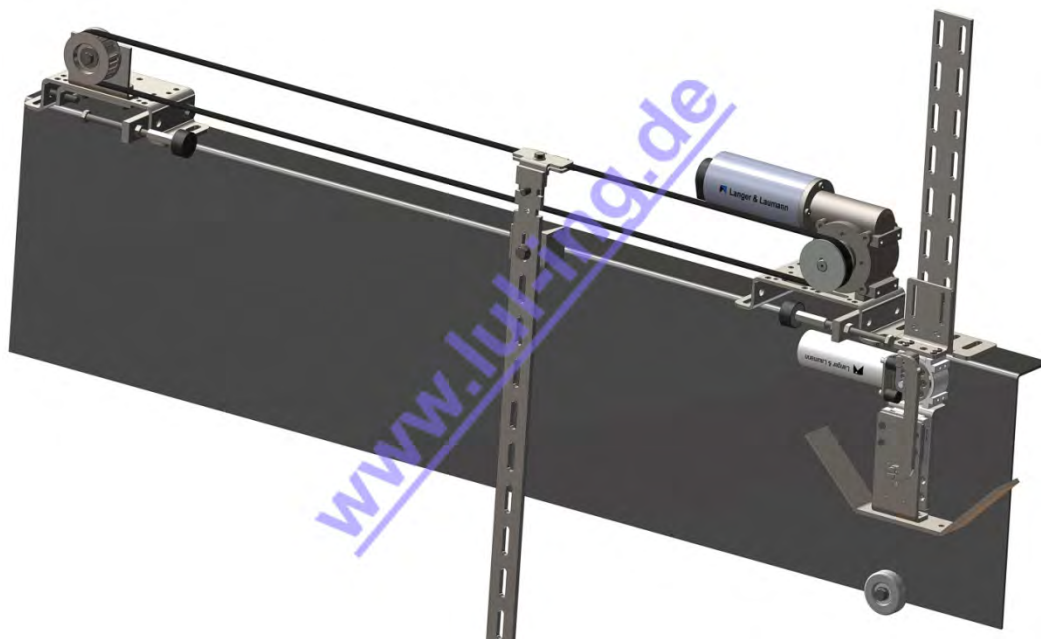


Fig. 2: TSG in Slicma, after conversion



Fig. 3: TSG drive end



Fig. 4: TSG drive end



Fig. 5: TSG guide roller



Fig. 6: TSG Sinus drive



Fig. 7: Fitted roller

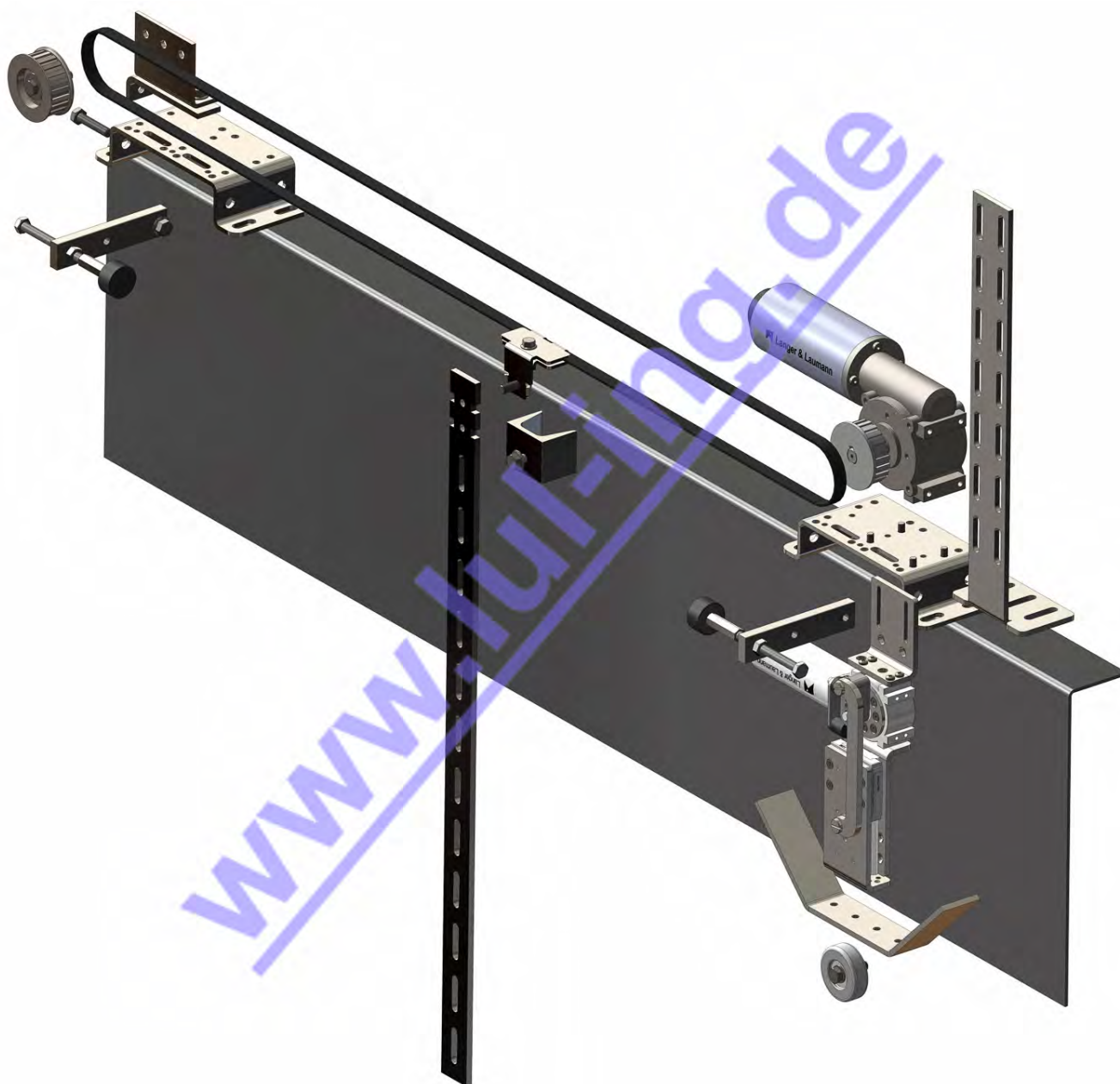


Fig. 8: layout drawing

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8 Contact

If you have questions or any other concerns, you can reach us by the following address:

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