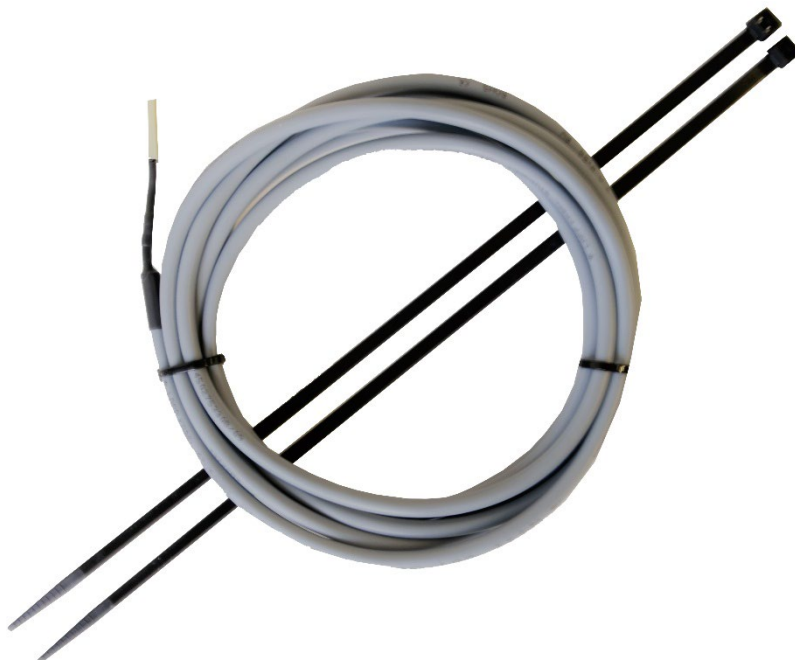


Manual

TSG

motor temperature detector

EN81-20



Documentation history

No.	Ver.	Status	Processed by
1	1.0	30.06.17	CSA
2	1.1	25.04.18	CSA
3	1.2	02.01.20	CSA
4	1.4	08.03.23	CSA



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File: 1.20.91740_Anleitung_TSG_Temp_Überwachung_V1.4_en.docx
Printing date: 08.03.2023 14:18:00

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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.

1.6 Description of Symbols



WARNING:

This sign is to indicate a possible impending danger of serious physical damage or death.



CAUTION:

This sign is to indicate a possible impending danger of light physical damage. This sign is also to warn you of material damage.



NOTE:

You will be informed of various possible applications and will receive further useful suggestions.

2 Technical specifications

Cabel lenght:	ca. 2,9[m]
Breaking capacity:	max. 50[V], max. 1,6[A], 50[Hz]
Min. current:	0,02[A]
Approvals:	VDE (EN60730), UL2111, conform to RoHS

The temperature detector operates independent from any current supply. When the fixed cut-off temperature is reached, it will be breaking a contact and thereby interrupting the electric circuit. After cooling down and reaching the closing temperature, the bimetal disk will automatically return into ist original position and thus make the contact.

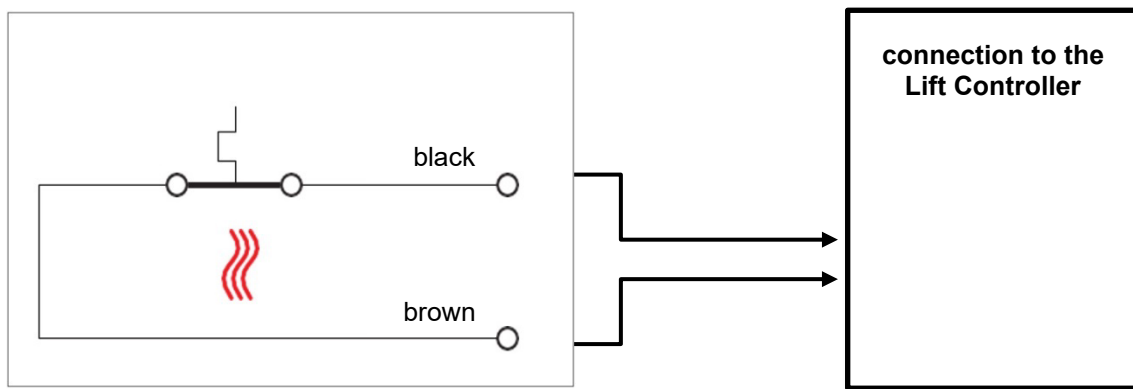


Abb. 1: circuit diagram

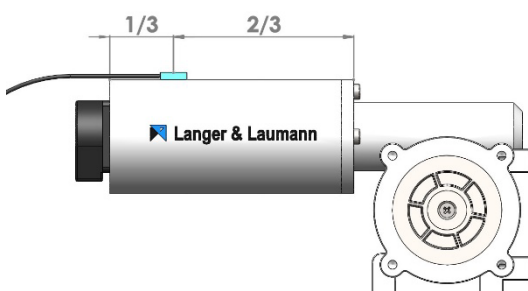


Abb. 2: position on the motor

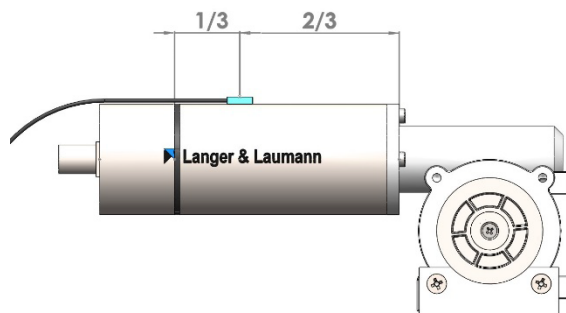


Abb. 3: position on the motor

3 Instructions

The TSG motor temperature detector is mechanically mounted on the TSG motor or TSG Sinus Drive and electrically connected to the lift control unit and evaluated by it. When using multiple TSG motor temperature detectors, they are connected in series.



CAUTION:

The TSG motor temperature detector must not be connected to the TSG electronics.



NOTE:

The order of installation listed here is only a recommendation.
There is no demand of completeness.

1. Please remove the TSG motor temperature detector and the cable ties from the packing and check for completeness.
2. Clean the place on the TSG motor to which the TSG motor temperature detector is glued (see Abb. 2 and Abb. 3: position on the motor / page 5).
3. Remove the protective film from the TSG motor temperature detector.
4. Carefully attach the TSG motor temperature detector with the adhesive surface to the TSG motor. Hold the TSG motor temperature detector in position for a few seconds with light pressure.
5. Tie a cable tie around the TSG motor so that the TSG motor temperature detector is additionally held in place. Hand-tighten the cable tie (see Abb. 5: TSG motor with TSG motor temperature detector – detail / page 7).
6. Route the cable to the lift control unit and connect it as specified by the lift control unit manufacturer.

4 Pictures



Abb. 4: TSG motor with TSG motor temperature detector – overview



Abb. 5: TSG motor with TSG motor temperature detector – detail

5 Contact

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