



## Supplementary Operating Instructions for Air Curtain Equipment

### TSDM 5 H/A Controller Unit

Translation of the original

Serial Number:

\_\_\_\_\_

Year: \_\_\_\_\_

In cases of contact, please quote this number to  
customer services.



# Operating Instructions TSDM 5 H/A

The controller unit TSDM 5 H/A is a 5-stage speed controller, in order to adjust the air capacity accordingly to different weather conditions.

- on/off-switch, switch for different stages
- repair switch
- small wall switch case
- dimensions: depending on rating
- switch for manual-/automatic operating mode; automatism e.g. door contact, time clock, room thermostat



ATTENTION

**Please also note the safety instructions in the main operating manual of the air curtain!**

Only sufficiently trained persons, that complies with the requirements of the main operating instructions, is allowed to work on the equipment. The main power supply must be disconnected before starting any kind of work.

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## Indicating lamps on the controller unit

### **■** Status signal lamp

This indicating lamp signals the operating status of the system, i.e. the motors are supplied with voltage by the speed controller and the system runs in selected stage.

### **■** Motor malfunction

This indicating lamp signals malfunction of the motor.  
The system switches off automatically.

(Cause:       - motor is defective  
                 - inadmissible heating from outside  
                 - cable disconnected)

The malfunction signal can be reset by switching to stage 0 (reset function).

## Terminals of the air curtain system

- Terminals L1, L2, L3, PE:  
Supply voltage of the motors, to be connected with terminals U, V, W, PE of the speed controller.
- Terminals 66, 67:  
Thermal contacts of the motors, to be connected with terminals B1, B2 of the speed controller.

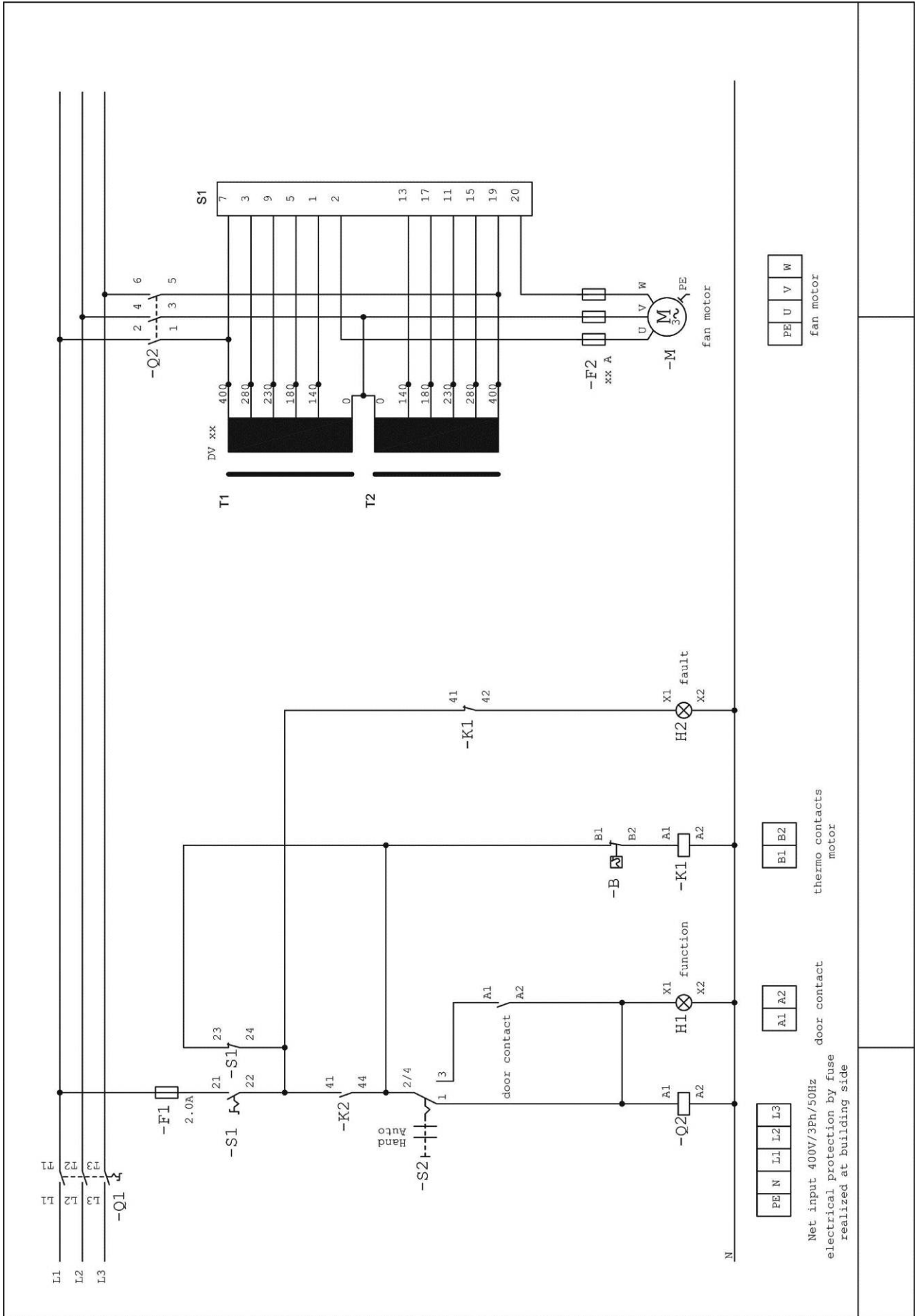
## Terminals in speed controller TSDM 5 H/A

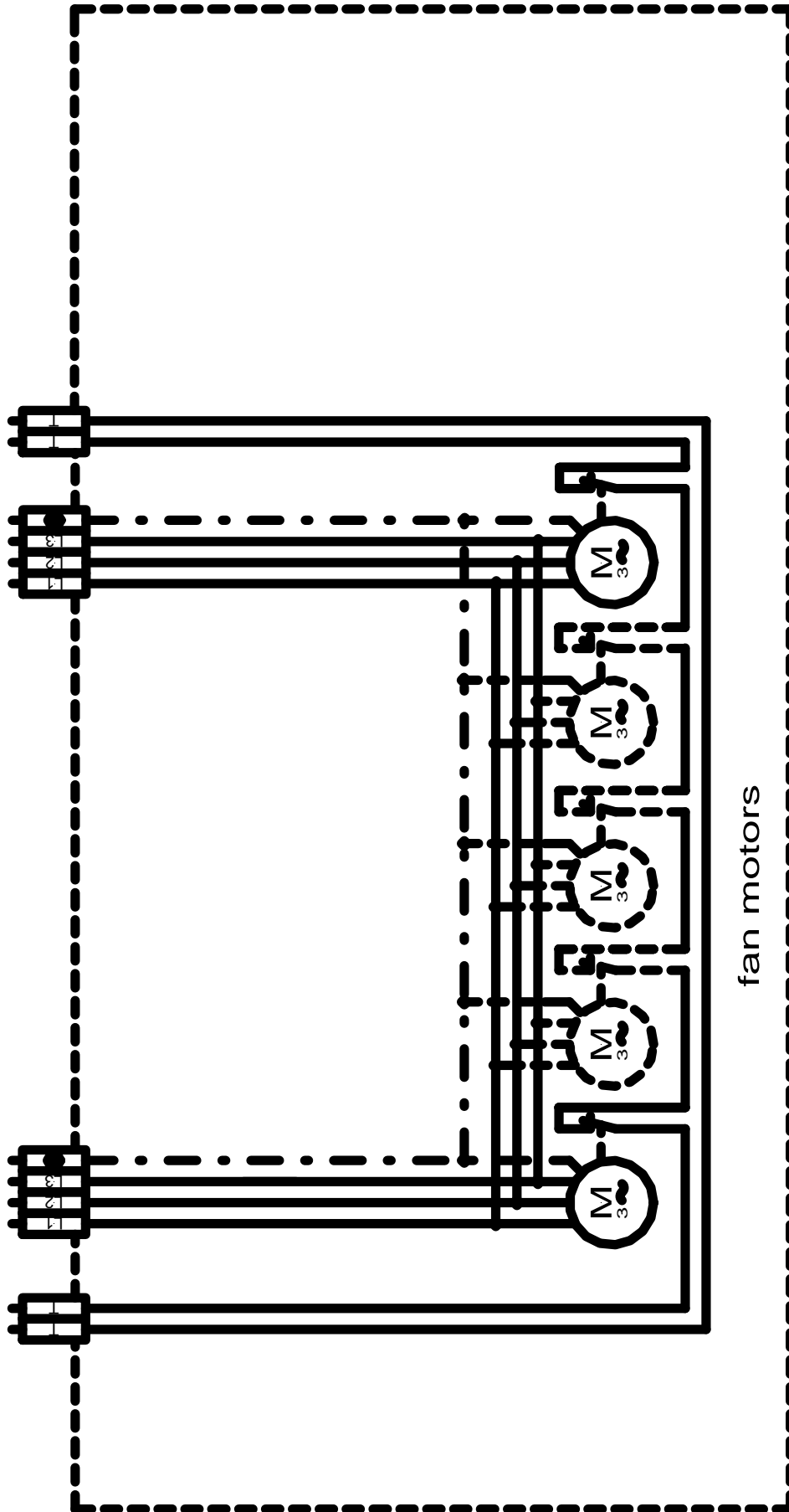
- Terminals L1, L2, L3, N, PE:  
Connection for supply voltage, to be connected with sub-distribution with separate protection.
- Terminals U, V, W, PE:  
Outgoing line of supply voltage for motors, to be connected with terminals L1, L2, L3, PE of the air curtain system.
- Terminals B1, B2:  
Input of thermal contacts of motors, to be connected with terminals T, T of the air curtain system.
- Terminal A1, A2:  
Input of potential-free external automatic-contact, e.g. door-contact, clock, room thermostat, etc.

## Available operating modes of speed controller TSDM 5 H/A

- Safety functions:  
The safety functions are warranted anytime, irrespective of the operating mode of the system.
- Switch for on/off and different stages:  
On/off-switch, switch for 5 different stages, adjustable accordingly to different situations and weather conditions.
- Switch for manual-/automatic operating mode:  
In manual operating mode the motors are permanently operating in the selected stage, the stage can be selected by switch for different stages.

In automatic operating mode the motors are operating in the selected stage only if the external contact (e.g. door contact), terminal A1, A2 is closed. The stage can be selected by the switch for different stages.







Notes:

[www.teddington.de](http://www.teddington.de)

**Teddington Luftschleieranlagen GmbH**  
**(Teddington Air Curtain Equipment, Inc.)**

Industriepark Nord 42 • D-53567 Buchholz (Mendt), Gemany • Tel.: + 49(2683)9694-0 •  
Fax: + 49(2683)9694-50 • Email: [info@teddington.de](mailto:info@teddington.de) • Web: [www.teddington.de](http://www.teddington.de)

