

Operating instructions for sliding door operator record 17 STA

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1. General

These operating instructions are intended for the operator of record 17 STA automatic sliding doors. The operator is the person responsible for the technical maintenance of this door system.

These instructions describe the use of the record 17 STA sliding door operator. They form the basis for satisfactory functioning.

These operating instructions should be read by the door operator before commissioning and the safety instructions observed !

It is recommended to keep these operating instructions close to the automatic sliding door.

Product designation: *Automatic sliding door*

Product name: *record 17 STA*

Serial number: _____ (please complete when installing)

2. Technical data and operating conditions

Power supply data

Mains voltage: 230 V 50 / 60 Hz
Rated power: 100 W
Fuse protection: min. 2.5 A slow-acting

Ambient conditions

Temperature range: -15° to +50° C
Humidity range: up to 85 % rel. humidity, non-thawing

3. Safety instructions

The record 17 STA sliding door operator has been constructed in accordance with the latest state of the art and the recognised technical safety regulations, including limiting of forces and speeds. Nevertheless, danger can arise for the user if not used as intended.

Installation, maintenance and repairs to the record 17 STA must only be performed by qualified and authorized personnel (technicians).

Use for the intended purpose

The record 17 STA sliding door operator is designed exclusively for normal service with automatic sliding doors in dry areas and must be installed within or on the inside of buildings.

Any other application or use beyond this purpose is not considered use for the intended purpose. The manufacturer bears no liability for any resulting damage; the operator alone shall bear the responsibility.

Use for the intended purpose also includes observation of the operating conditions specified by the manufacturer, in addition to regular care, maintenance and repair.

Unauthorized modifications to the automatic door exclude any liability of the manufacturer for resulting damage.

General safety and accident prevention regulations

In principle, no safety devices (sensors) must be dismantled or placed out of service.

No persons or objects must be present in the opening area/path of the sliding door, in order to avoid crushing and cutting.

The installation is **not** intended to be disconnected from the mains at night!

4. Description of system

4.1 Components

The record 17 STA sliding door operator forms part of an electromechanical sliding door system and comprises the following main components:

Control unit STG:	Intelligent, learning, microprocessor-controlled control system
Driving unit ATE:	Low maintenance d.c. geared motor with electronic path measurement and integral thermostatic protective switch
Power supply NET:	Compact 220/230 V power supply with integral input filter and overvoltage protection
Control unit BDE:	Mechanical control unit which is used to set the various modes of operation
Locking VRR (optional):	Electromagnetic 2-point lock with solid, specially hardened locking bolts
Auxiliary battery (optional):	For opening or closing the door during a power failure
Sensing units:	Aesthetic actuating and self-monitoring safety elements with adjustable sensitivity ensure optimum, smooth and reliable operation of the door system
Running gear:	Patented running gear and counter-wheel systems on ball-bearings with specially hardened, dirt-absorbing and sound-proofed aluminium track section

4.2 Functional description

In the standard "Automatic" mode of operation the door system opens by the response of an actuating device (e.g. radar unit) to persons or objects approaching. The door closes after the door hold-open time, provided no further opening pulse is received or the photocells in the doorway are interrupted.

In the "Automatic locking" mode of operation, the door is only opened by actuation of an optional key-operated contact (SSK). The door closes after the SSK door hold-open time, provided no further opening pulse is received or the photocells in the doorway are interrupted.

An obstacle to the sliding door leaves during **Closing** leads to an immediate re-opening (automatic reverse). The obstacle position is recorded in the door operator and this position is approached slowly when next closing. An obstacle to the sliding door leaves when **Opening** results in an immediate stop.

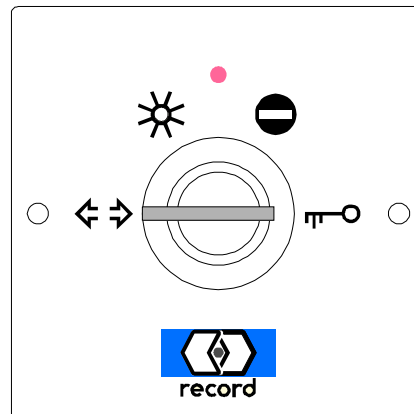
An optional EMERGENCY STOP or EMERGENCY OPEN push-button near the door initiates either an emergency stop or an emergency opening (provided the door is not locked).

5. Operating instructions

5.1 Mechanical control unit (BDE-M)

The control unit to select the various modes of operation is situated either on the inner casing of the operator or externally, usually near the door.

The mechanical control unit BDE-M is fitted with a rotary keyswitch, which is used to set the various modes of operation. The keyswitch can be withdrawn in any position.



Modes of operation:



Automatic mode with total opening width (summer opening): This mode of operation corresponds to standard operation. The door is opened by an actuating device (e.g. radar). The door closes again after the hold-open time.



Continuously open: door opens and remains in the open position.



Automatic mode with one-way traffic (shop closing time control): The door only opens in response to the actuating device on inside of door (radar) or by an optional key-operated contact (SSK).



Automatic locking (if present): The door is locked automatically after closing. Opening with the last opening width effective can only be initiated with the key-operated contact SSK.

Warning: Door opening in the locked condition without auxiliary battery or without manual unlocking is no longer ensured in the event of a power failure !

If no locking is provided, the door also closes and remains closed, but is not locked.

Mode indication:

The BDE-M has only 1 LED, which lights when the mains or battery voltage is applied.

Reset key:

This concealed key is operated using a paper clip approx. 25 mm long. A small hole is provided for this purpose at the centre of the Record logo. If the key is pressed for approx. 5 seconds, a **new start of the control unit** is performed (software reset). The settings stored (see page 7) remain in the memory.

5.3 Emergency opening with power failure

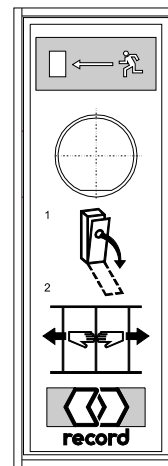
If no auxiliary battery is present, the door stops if the power fails. If it was locked ("Automatic locking" position) it also remains locked when the power is removed.

A In "Automatic locking" mode with manual unlocking (Bowden cable) outside and/or inside, if present

- 1) Unlocking flap opened

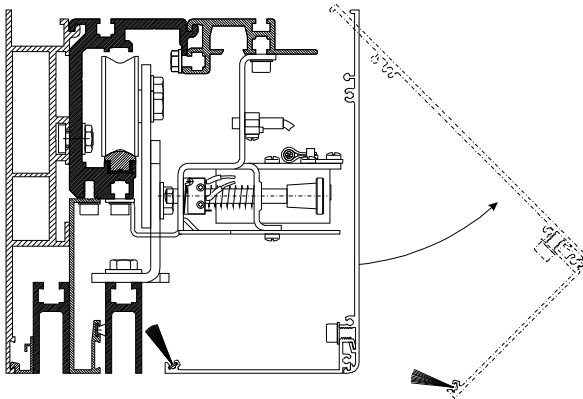
The door is unlocked by pulling the unlocking flap down firmly, but it cannot be locked again.

- 2) Door can be moved by hand

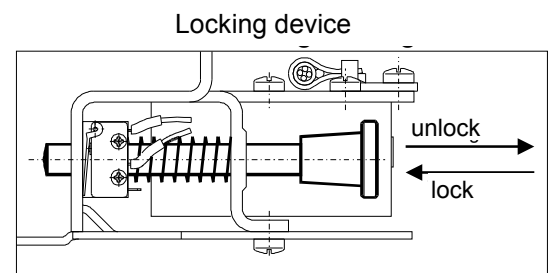


B In "Automatic locking" mode by opening the casing on the inside of the door

- 1) Open casing (fold open)



- 2) Unlock door leaves by manual actuation of the green unlocking bolt



- 3) Door can be moved by hand

6. Care and maintenance instructions

General

The record 17 STA sliding door operator is a product of the latest technology. It has been carefully made and only leaves the factory following thorough testing.

Automatic sliding doors should be operated and maintained to ensure safety at all times.

Care

The entire sliding door system including safety photocells can be cleaned with a damp cloth and commercially available cleaning agents. The floor guides should be kept free from dirt. It is recommended to select the "Continuously open" or "Locked" mode of operation for this purpose, so that the door does not continually open and close unnecessarily.

Maintenance, periodic inspection

It is recommended to have a technical safety test with servicing performed by a specialist before first commissioning and as required, but at least twice a year.

Regular testing and servicing by our fully trained personnel therefore offers the best guarantee for a long service life and satisfactory operation. We therefore recommend the signing of a maintenance agreement. Our service department will be pleased to submit a proposal.

If nevertheless a fault should occur, which you cannot eliminate (see section 7) our service organisation or the maintenance personnel of our agents are available.

Service centres

Service centre in Switzerland: tel. 01/954 92 92 / fax 01/954 92 00

Alternative service centre: _____

7. Action in event of faults

Symptom / fault	Possible cause	Remedy
Door does not move, LED does not lit on control unit	No mains voltage	Check fuse, check mains supply
Door does not move, LED does lit on control unit	Wrong mode of operation Sensors are defective or are active too long Electronic fault	Change mode of operation Check sensors or contact service centre Initiate RESET via control unit BDE
Door does not lock and opens approx. 10 cm	Locking fault	Contact service centre
Door does not move even after initiating RESET	Operator fault	Contact service centre, interrupt mains supply if possible.