

Ditec

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Sliding doors Ditec DAS107PLUS

User Manual

(Translation of the original instructions)

Index

| | |
|--|---|
| 1. Product liability | 4 |
| 2. Intended use | 4 |
| 3. Technical specifications | 4 |
| 4. How the Ditec DAS107PLUS works | 4 |
| 5. Operation mode selectors | 5 |
| 6. Access codes and flashing light COM500ES | 6 |
| 7. Instructions for releasing and manually activating the door | 6 |
| 8. Regular safety checks and safety accessories | 7 |

Key



This symbol indicates instructions or notes regarding safety, to which special attention must be paid.



This symbol indicates useful information for the correct functioning of the product.

General safety precautions for the user



ATTENTION!

Important safety instructions • Please follow these instructions carefully • Failure to observe the information given in this manual may lead to severe personal injury or damage to the equipment • Keep these instructions for future reference

WARNING!

Disconnect power supply before any cleaning or maintenance operation

- This manual and those for any accessories can be downloaded from www.ditecautomations.com

These precautions are an integral and essential part of the product and must be supplied to the user. Read them carefully since they contain important information on safe installation, use and maintenance. These instructions must be kept and forwarded to all possible future users of the system • This product must be used only for the specific purpose for which it was designed. Any other use is to be considered improper and therefore dangerous. The manufacturer cannot be held responsible for any damage caused by improper, incorrect or unreasonable use • Avoid operating in the proximity of the hinges or moving mechanical parts. Do not enter within the operating range of the motorized door or gate while it is moving. Do not obstruct the motion of the motorized door or gate, as this may cause a dangerous situation • Lock and release the door or gate wings only when the motor is switched off. Do not enter within the action range of the door or gate wing(s) • In case of operation in "hold-to-run" ("dead man") mode, the corresponding command devices must be located so to have direct and complete view of the door or gate during the maneuvers, away from any moving parts, at a minimum height of 1.5 m, and out of reach of the public • The motorized door or gate may be used by children over the age of 8 and by people with reduced physical, sensorial or mental abilities, or lack of experience or knowledge, as long as they are properly supervised or have been instructed in the safe use of the device and the relative hazards • Children must be supervised to make sure they do not play with the device, nor play or remain in the area of action of the motorized door or gate. Keep remote controls and/or any other command devices out of the reach of children, to avoid any accidental activation of the motorized door or gate • Cleaning and maintenance work intended to be done by the end user must not be carried out by children unless they are supervised. In the event of a product fault or malfunction, turn off the power supply switch. Do not attempt to repair or intervene directly. Any repair or technical intervention must be carried out by qualified personnel. Failure to comply with the above may cause a dangerous situation • To ensure that the system works efficiently and correctly, the manufacturer's indications must be complied with and only qualified personnel must perform routine maintenance on the motorized door or gate. In particular, regular checks are recommended in order to verify that the safety devices are operating correctly • All installation, maintenance and repair work must be documented and made available to the user.

1. Product liability

According to regulations, the following are the responsibility of the owner or caretaker of the equipment:

- That the equipment operates correctly, so that it gives sufficient protection in regard to safety and health;
- That the equipment is operated and regularly maintained, inspected and serviced by someone with documented competence in the equipment and in applicable regulations.

2. Intended use

The Ditec DAS107PLUS is an automatic sliding door operator developed to facilitate entrances to buildings and within buildings through sliding doors.

The door is designed to offer continuous use, a high degree of safety and maximum lifetime. The system is self-adjusting to the effects caused by normal variations in the weather conditions and to minor friction changes caused by e.g. dust and dirt.

It is to be used indoors where it is suitable for almost all types of external and internal sliding doors.

Save these instructions for future reference.

3. Technical specifications

| | DAS107PLUS |
|---|--|
| Power supply | from 100 V~ -10% to 240 V~ +10% - 50 / 60 Hz |
| Power absorption | max 200 W |
| IP degree of protection | IP20 |
| Sound pressure L_{pA} | ≤ 70 dB (A) |

4. How the Ditec DAS107PLUS works

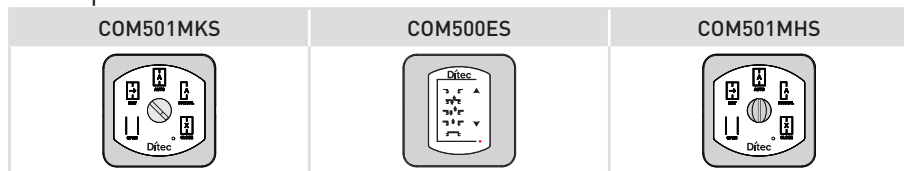
The Ditec DAS107PLUS works electromechanically. The drive unit, control unit, transmission, optional battery unit and electromechanical locking device are all assembled in a support beam. The motor and gear box transmit movement to the door leaves by means of a tooth belt. The door leaf is fitted to a door adapter/carriage and hangs on a sliding track. The active leaf travel is directed by a floor guide.

When an OPENING IMPULSE is received by the control unit the motor starts and transmits movement to the door leaves, which move to the open position.

The closing starts when no OPENING IMPULSE is received and the HOLD OPEN TIME has expired.

The user can select five different modes of operation if an operation mode selector is installed. See next pages.

5. Operation mode selectors



The door functions are set with different operation mode selectors.

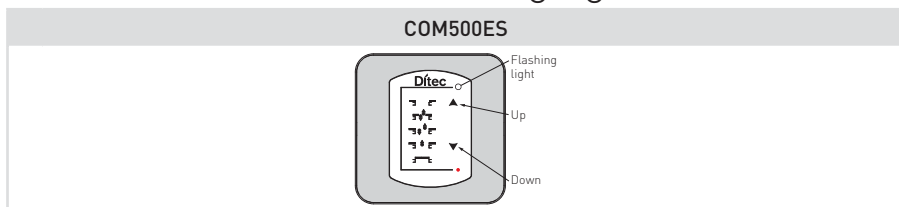
The operation mode selector is available with 5 positions (plus RESET).

| SYMBOL | FUNCTION |
|-----------------------|--|
| | <p>OPEN</p> <p>The door is permanently open. The door can be moved by hand e.g. for window cleaning. All activation units are disconnected.</p> |
| | <p>AUTO PARTIAL</p> <p>Two-way traffic, AUTOPARTIAL is obtained. The door can be opened partially with the inner and outer activation units and with a key switch (if fitted).</p> |
| | <p>AUTO</p> <p>Two-way traffic, normal operation of the door. The door can be opened with the inner and outer activation units and with a key switch (if fitted).</p> |
| | <p>EXIT</p> <p>Passage from inside only. The door is normally locked if an electromechanical locking device has been fitted. The door can only be opened with the inner activation unit or with a key switch (if fitted).</p> |
| | <p>OFF</p> <p>The door is closed and locked (if an electromechanical lock is fitted). The door cannot be opened with inner and outer activation units. The door can be opened partially with a key switch (if fitted).</p> <p>(*) When the mode selector is in mode the button button can give a key impulse. The key impulse will open the door to partial open position. There are two different ways how the button works:</p> <ol style="list-style-type: none"> 1. It is not possible to give a key impulse. 2. It is always possible to give a key impulse by pressing the button for 2 seconds. 3. The mode selector must first be unlocked then it is possible button for 2 seconds. |
| <p>A. </p> <p>B. </p> | <p>RESET</p> <p>A. Insert a narrow object in the small hole and push briefly.</p> <p>B. By briefly pushing the dot (placed in the lower right corner) with a narrow object; the door will return to the closed position (if not in operation mode selection "DOOR OPEN" or if an error is present) and is then ready for normal operation.</p> |



NOTE! If monitored emergency unit is a demand, a test of the emergency unit is performed when the operation mode selector is set from OFF or OPEN to any other operation mode.

6. Access codes and flashing light COM500ES



There are 3 options to lock / unlock the operation mode selector. These are programmed in the control panel and can be modified by the installer.

- 1 The access is obtained by pushing the ▲ or ▼ for 2 seconds
- 2 The access code is obtained by briefly pushing in turn ▲, followed by ▼, again and ▲. Entire code must be entered within 3 seconds.
- 3 No access code.

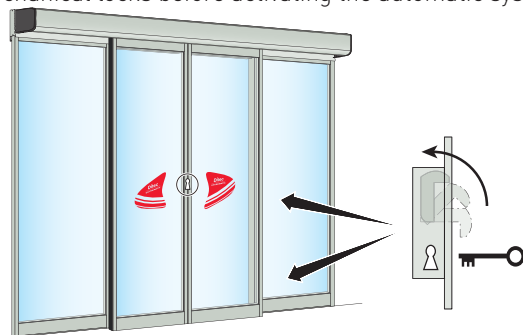
The different operation modes are selected by pushing the arrow symbols pointing upwards or downwards. When a button is pushed a buzzer will sound. The present selection is indicated by a blue light to the left of the function symbol or text.

When an arrow symbol has not been pushed for 5 seconds the access will be locked

| FLASHING LIGHT | |
|----------------|---|
| Red | <ul style="list-style-type: none">• When a red light is flashing it is indicating an error in the door operator. If the error remains after a RESET then service is needed. |
| Orange | <ul style="list-style-type: none">• An orange light every second indicates that STOP contact 1-3 is active. E.g. a break-out door is standing open. |
| Yellow | <ul style="list-style-type: none">• A yellow light every other second indicates that maintenance is needed. |

7. Instructions for releasing and manually activating the door

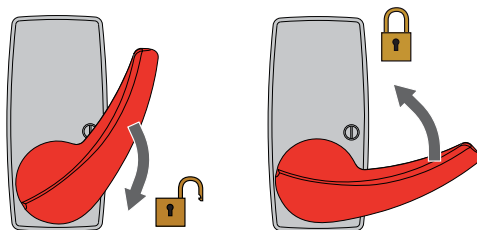
Release all the mechanical locks before activating the automatic system.



In the event of maintenance, malfunctioning or emergency, disconnect the power supply then lower the lock release lever (if installed) and manually move the door wings to their open position. To block the door wings again, bring the lock release lever back to its initial position.



WARNING: only lock and release the door wings when the motor is switched off



8. Regular safety checks and safety accessories

To meet the national/international requisites and avoid any malfunctioning or risk of injury, carry out the following operations and checks at least once every 6 months (or according to the frequency of use of the automation).

You are advised to have repairs and adjustments carried out by qualified personnel. Disconnect the power supply [A] when carrying out cleaning or maintenance tasks.


TASK

Activate your operator and visually check, fastening and any damage of:

- operator and cover (1)
- cables
- operator mode selector (2)
- door and glass (stability)

Also inspect your operator and check visually for:

- condition of door seals and weather stripping
- condition of glazing rubbers
- proper operation; closes slowly and smoothly

Set the mode selector to OFF  and check that the operator and electromechanical lock (if fitted) work together. Also check that the lock really secures the door.

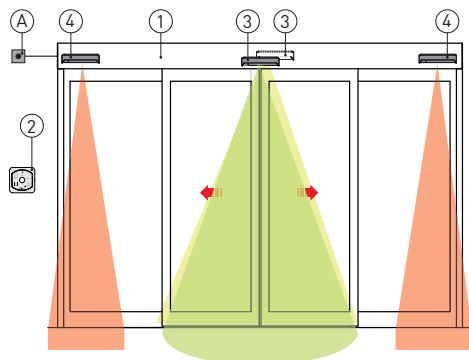
Activate the manual command devices, if installed. Approach the door and check it opens correctly via the automatic command devices (3).

Check the safety sensors (3-4) by standing in the path of the opening/closing door and activating the automation.


As it opens and closes, the door must not hit the person carrying out the check



If problems occurs contact the DITEC Customer Technical Service.



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 The crossed-out wheeled bin symbol indicates that the product should be disposed of separately from household waste. The product should be handed in for recycling in accordance with local environmental regulations for waste disposal. By separating a marked item from household waste, you will help reduce the volume of waste sent to incinerators or landfill and minimize any potential negative impact on human health and the environment.

