

HD 200

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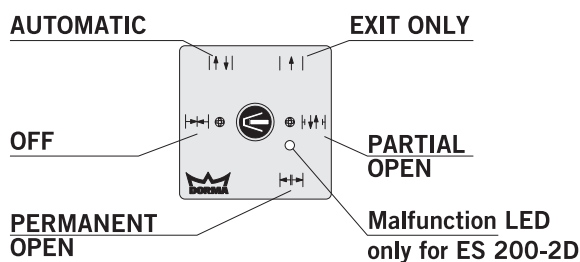
Operating manual

OPERATING INSTRUCTIONS

1. Program switch

The program switch to activate the door system is located at the door system. During commissioning the EMERGENCY OFF pushbutton, which is normally situated next to the program switch, must be unlocked by turning the switch.

The following five functions can be selected at the program switch.



Program switch settings:

OFF The system cannot be used automatically. In the case of units with locking device, the door is locked mechanically.

AUTOMATIC If a person or an object enters the range of the detectors, the door opens to its full opening width and closes on expiry of the preset hold-open time. The hold-open time can be adjusted at the basic module or with the aid of the PDA.

EXIT ONLY The external detector is deactivated; the door is only accessible from the inside (e.g. one-way function on close of business). If a person or an object enters the range of the internal detector, the door opens to its full opening width and closes on expiry of the preset hold-open time.

PARTIAL OPEN If a person or an object enters the range of the detectors, the door opens to the preset partial open width and closes on expiry of the hold-open time.

PERMANENT OPEN The door opens at low (creep) speed to its full opening width and remains in this position until another function is selected

Malfunction LED

The Malfunction LED indicates a fault, which might constrain the escape route. The door travels to its “open position” and comes to a halt.

2. Setting the PARTIAL OPEN Function

The PARTIAL OPEN Function can be selected or set by program switch or PDA. The PDA can also be used to disable the parameterisation via program switch, so that settings can only be made with the help of the PDA.

The opening width of the door can be adjusted individually. Starting from the full opening width, a **reduced opening width = partial opening width** may be set (e.g. in winter to reduce drafts.)

- Close the door.
- Set program switch to PERMANENT OPEN
- The door opens at low (creep) speed.
- As soon as the door reaches the desired partial opening width, set the program switch to PARTIAL OPEN.

The door stops and the control unit stores the desired position.

The door performs a closing cycle.

3. EMERGENCY OFF pushbutton (optional)

The program switch is set to AUTOMATIC, PARTIAL OPEN or EXIT ONLY.

- Push the EMERGENCY OFF pushbutton so that the motor circuit is interrupted.
- The door comes to a halt and the leaves may be moved manually.

EMERGENCY OPEN pushbutton (optional)

4. Night-/Bank Function (optional)

The program switch is set to OFF:

The door is accessible from the outside when the system is activated by an external activator.

- The door unlocks and opens.
- The door closes again either immediately after the user has passed the door or on expiry of the Night-/Bank hold-open time.
- The door relocks.

5. Start-up following a power failure

After a power failure, the control unit performs a self-check of approx. 5 sec. for safety reasons. The door then closes at low (creep) speed and resumes the preset program function.

TROUBLESHOOTING

If, during commissioning or operation, faults arise, check the following points:

- Have all maintenance intervals been observed/has the maintenance been performed?
- Have all wear parts been checked and replaced if required?
- Is the power supply connected?
- Is the EMERGENCY OFF pushbutton off, i.e. unlatched?
- Is the program switch set correctly?
- Are the areas monitored by the light barriers clear and clean?
- Is the door blocked by an obstruction?
- Is the door running smoothly (counter rollers, floor guides)?
- Are all external activators, EMERGENCY OFF pushbutton, program switch and locking device connected correctly?
- All connection points checked?
- Is the rechargeable battery pack correctly connected?

For further assistance, consult the following troubleshooting table.

Fault	Possible causes	Remedy
The door don't perform the learning cycle	Light barriers / safety sensors are activ	Bridge the feeder clip of the safety wiring.
Door runs jerkily and out of control	The connector cable is not fixed properly The incremental encoder cable is defect	Fit connector cable properly Replace cable
Door remains open after rotational self-check (every 4 hours).	The rechargeable battery pack is not fully recharged or empty	Check battery voltage Change rechargeable battery pack
Door remains open, in all program switch settings	Light barriers (LS)	Check light barrier function with the help of the LED on the basic module.
	EMERGENCY OFF pushbutton	Bridge the connector inputs. If fault is cured by this, check EMERGENCY OFF pushbutton, and exchange if necessary, then check with the help of the PDA.
Door does not open when the program switch is set to: AUTOMATIC, EXIT ONLY, PERMANT OPEN, and PARTIAL OPEN	External detector	Remove activator connector and bridge the input. If the fault is cured by this, check supply voltage (27 V) of the basic module and the detectors. If it is okay check and replace detectors if required.
	Internal detector	Remove activator connector. If the door opens, check supply voltage (27 V) of the basic module and the detectors. If it is okay check whether self-monitoring detector that works according to the fail-safe principle is connected.



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