HD 200

Automatic Sliding Door Operator
With the innovative DORMA HD 200 system you are investing in the future, a system that offers the perfect solution for all applications, door types and design challenges, offering whisper quiet operation and convenience within a compact design profile (155 mm).

Exceptionally Smart & Powerful
DORMA HD 200 heavy duty Power Drive offers dynamic acceleration and deceleration, and has opened up a new dimension with its modular control system - providing maximum power in the all-in-one modular mini drive unit (MDU).

Now there is no longer a requirement to replace components when you wish to expand the functional characteristics of your system as ‘Docking’ will be the future in upgrading your technology, and now you ‘Simply plug in – and upgrade’.

The elegant design profile combined with intelligent door automation provides the perfect solution for sophisticated architectural concepts and designs and DORMA’s commitment to quality and product longevity ensures that you are investing for the future.

Exceptionally Safe
Quality, reliability and durability are central to the brand DORMA, which is why the DORMA HD 200 has been endurance tested to 1 million cycles and fully complies to all relevant Australian & New Zealand NCC building codes and standards. Moreover it has been independently tested by a NATA accredited facility to Australian standard AS5007 section 4.6 (Exova Warrington Fire Australia, Certificate No. 30384400.1).

When choosing DORMA, you have the security and peace of mind derived from our many decades of experience in the automatics business – a history that sets DORMA apart as the clear market leader in motor drive and door control system technology.

The in-built UPS (Uninterrupted Power Supply) provides full emergency operation under loss of mains power to ensure that safe egress is maintained, and when fitted, electric security locking remains fully operational for when you need it most.

Exceptionally Simple Installation
The DORMA HD 200 is user friendly to install utilising the same easy fit heavy duty track wheels and installation setup providing greater uniformity across the DORMA automatic sliding door range.

Accessories
DORMA has an extensive range of door control and program switches, push buttons, presence & safety sensors, P-E safety beams and a wide choice of signage plates including Braille.

HD 200 Features and Benefits
DORMA Power Drive:
Dynamic driving phase control for particularly powerful and responsive operation and door control.

Endurance tested to 1 million cycles to ensure reliability, durability and peace of mind.

Uninterrupted Power Supply (UPS) maintaining full operation under loss or interruption of mains power

Modular, flexible system incorporating ‘Docking’ to quickly upgrade the system

Elegant slim design profile (155 mm H)

Exceptionally simple & easy to install using DORMA easy fit system

Option for HD 200 telescopic door entry to maximise clear opening width (refer to page 3 DWG)
THE PROFESSIONAL OPERATOR FOR INDIVIDUAL DOOR DESIGN

Door variants with HD 200

1. Aluminium Framed Door

2. Frameless Glass Door

HD 200 glass preparation options (≤1200mm width shown)

3. Frameless Glass with DORMA CDS 43S Top Rail

4. Telescopic Aluminium Door Framed

5. Frameless Glass with DORMA CDS 43S Top Rail

12mm Thick Glass Door Hole Detail - Refer to drawing No. 2 above

12mm THICK TOUGHENED GLASS VERTICAL EDGES 32 HOLE 100 FROM GLASS

Extra Holes > 1200mm width

DORMA CDS 43S Top Rail Glass Detail - Refer to drawing No. 3 above
## Data parameters

<table>
<thead>
<tr>
<th>Single-panel sliding door</th>
<th>HD 200</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Clear passage width LW</td>
<td>900-1800mm</td>
</tr>
<tr>
<td>- Door panel weight, max.</td>
<td>1x200kg</td>
</tr>
<tr>
<td>Double-panel sliding door</td>
<td></td>
</tr>
<tr>
<td>- Clear passage width LW</td>
<td>1200-2800mm</td>
</tr>
<tr>
<td>- Door panel weight, max.</td>
<td>2x120kg</td>
</tr>
<tr>
<td>Telescopic</td>
<td>2x120kg</td>
</tr>
<tr>
<td></td>
<td>4x60kg</td>
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</tbody>
</table>

## Technical data of operator

| Height - profile                  | 155mm |
| Installation depth                | 215mm |
| Opening and closing force, max.   | 150N  |
| Opening speed (incremental setting)| 10 - 70 cm/s |
| Closing speed (incremental setting)| 10 - 50 cm/s |
| Hold-open time                    | 0 - 180 sec, |
| Supply voltage, frequency         | 230V, 50/60 Hz |
| Power consumption                 | 250W  |
| Class of protection               | IP 20 |
| Compliant with EU                 | Yes  |
| Low voltage directive and EMC Directive | Yes  |
| Manufactured to ISO 9001:2000     | Yes  |

## Technical data of operator

| Modular design | Yes  |
| Microprocessor-controlled function programs | Yes  |
| - Lock       | Yes  |
| - Automatic  | Yes  |
| - Permanent Open | Yes  |
| - Half Open  | Yes  |
| - Exit Only  | Yes  |
| - Night-/Bank Function | Yes  |

| Connections for | Yes  |
| Fire alarm interface (FIP) | Yes  |
| Security interface / Card Reader (BMS) | Yes  |

| Adjustment of all basic parameters via integrated display and pushbuttons | Yes  |
| 24V DC output for external accessory | Yes  |
| Read-out error memory with error codes | Yes  |
| Electromechanical lock | Yes  |
| Rechargeable battery pack for emergency operations (UPS) | Yes  |

## Functioned module (FM)-optional extra

| Door status - Open/Closed | Yes  |
| Main and secondary closing edge protection | Yes  |
| Panic closing function    | Yes  |
| Bell contact               | Yes  |
At the core of the HD 200 is the prefabricated MiniDriveUnit. It has been independently tested by a NATA accredited facility to Australian standard AS5007 section 4.6 (Exova Warrington Fire Australia, Certificate No. 30384400.1).

Components
1. MiniDriveUnit
2. Power supply unit
3. Motor
4. Encoder
5. Basic module (BM)
6. Function module (FM)
7. Track rail and mounting profile
8. Rechargeable battery pack
9. Door hanger bar
10. Easy fit adjustable door hanger bracket
11. Belt connection
12. End pulley
13. Belt tensioning device
14. End stop
SYSTEM ACCESSORIES

Program switch

When combining the system with a program switch out of the DORMA accessory range, the automatic door system even meets individual requirements and offers easy handling. These program switches are available in various designs have been conceived for all kinds of demands. Furthermore they offer various options, from a mechanical to a full-electronic version.

PK Series Security Key Switches

- Solid construction prestige keysswitch
- Security concealed fixing points. Suitable for most master key systems
- PK2 - Spring return switch
- PK4 - Four position switch

PK4 Part No. A81009004
PK2 Part No. A81009002

Wireless Remote Switch

- Stylish four button switch
- Wireless, for ease of installation
- Lock/Open/Auto/Hold functions
- Operating distance up to 50m
- Dimensions 115mm x 75mm

Part No. A10120240

P2 Pushbutton

- Mushroom head pushbutton
- Suitable for after hours egress and emergency exit
- Compliant with AS1428
- Diameter 45mm
- Plate dimension 115mm x 40mm

Part No. B90009006

Mode Pad

- 5 Operating Modes
- Emergency Exit Button
- Customer Pin Code
- Lock/Auto/Open/Exit/Half

Part No. NHD4016
**Motion Sensor**

- Adjustable field detection
  W4500 x D2000mm
- Flexible mounting options
- Rain cover option
- Operating voltage
  12/24 V AC/DC

Part No. A86002000 (silver)

**Motion/Presence Sensor**

- Dual motion/presence sensor
- Presence safety curtain
  2mt wide x 0.20mt deep
- Motion field 4m wide x 2m deep

Part No. A86712400 (silver)

**Presence Sensor**

- Presence sensor
- Presence safety curtain
  2mt wide x 0.20mt deep

Part No. A86302100 (silver)

**Push to open plate**

- Suitable for parent room door application
- Compliant to National Construction Codes (NCC)
- Durable and robust design including braille and raised lettering

Part No. A10109035

**Touchless Switch**

- Wall or surface mount
- Suitable for hospitals, clean room and food preparation
- Dimensions H85mm x W85mm

Part No. B12010039

**Pushbutton**

- Palm activated rocker button
- Stainless Steel finish
- Dimension H80mm x W80mm
- IP44 weather rating

Part No. D19143001170

**Pushbutton with handicap**

- Palm activated rocker button with handicapped symbol
- Stainless Steel finish
- Dimension H80mm x W80mm x D9mm
- IP44 weather rating

Part No. D19143001170

**Keypad 0-9**

- Keypad for pin number access
- 0-9 Keypad
- Dimensions H125mm x W76mm x D15mm

Part No. B12004020

**Privacy Door System**

- Suitable for disabled toilet door applications
- Compliant to National Construction Codes (NCC)
- Durable and robust design including braille and raised lettering
- Bell output, duress and staff over-ride function

**Wireless Key Chain Remote**

- Key chain remote control ease of door activation
- Shock proof design
- Operating distance up to 100m
- Activation functions

Part No. D29301001