ES 200

—

Automatic Sliding Door Operator

EXCEPTIONALLY SMART, SAFE AND SLIM DESIGN WITH DRIVE POWER TO SPARE

With the innovative **DORMA ES 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 ultra slim design profile (100mm &150mm H).

Exceptionally Smart

DORMA ES 200 Power Drive Technology 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 designed drive unit. 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

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 ES 200 fully complies with the latest Australian and New Zealand industry standards and codes including the National Code of Compliance (NCC), and is endorsed with an **AS5007 – NATA Accredited Testing Certificate**.

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 unique DORMA ES 200 mounting plate provides the perfect quick-fit answer for easy installation and mounting of the automatic mechanism. The full width mounting plate provides the support bracket to hang the ES 200 operator housing, making installation quick and easy, saving time and money.

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.

ES 200 Features and Benefits

Modular, flexible system incorporating 'docking' to quickly upgrade the system

Elegant ultra slim design profiles (100mm and 150mm height profiles)

DORMA Power Drive: Dynamic driving phase control for particularly powerful and responsive operation

Endurance tested to 1 million cycles to ensure reliability and durability of operation. Tested and certified to Australian Standards by a NATA–AS5007 accredited & certified testing authority
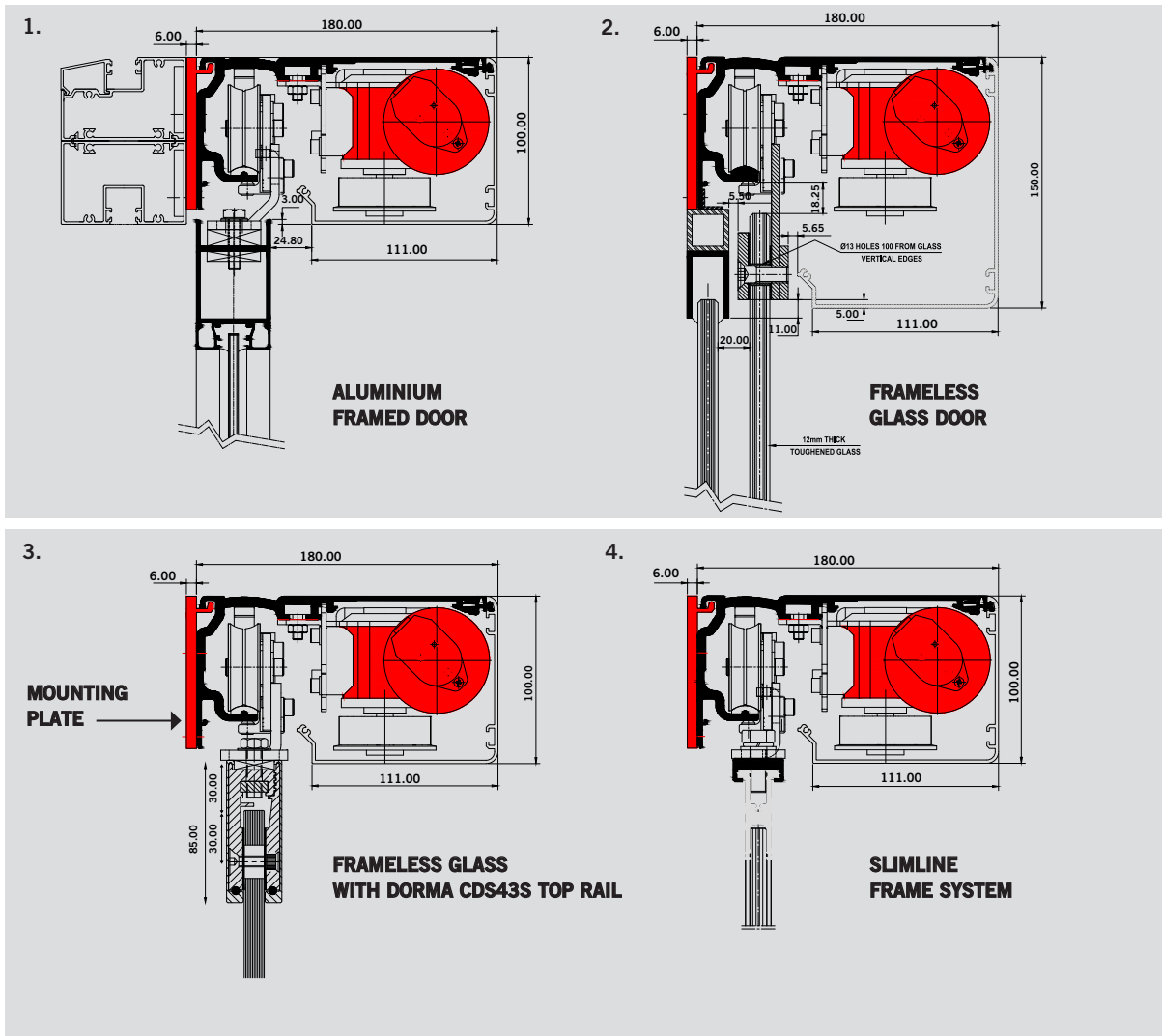
Uninterrupted Power Supply (UPS) maintaining full operation under loss of mains power

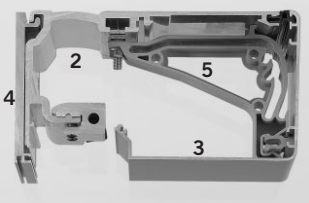Exceptionally simple to install - with the unique quick-fit mounting plate

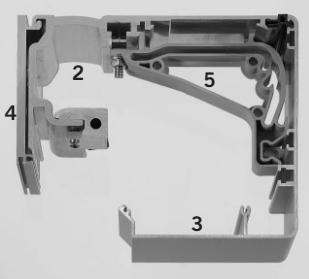# THE PROFESSIONAL OPERATOR FOR INDIVIDUAL DOOR DESIGN
—

Door variants with ES 200

1.

ALUMINIUM
FRAMED DOOR

2.

FRAMELESS
GLASS DOOR

3.

MOUNTING
PLATE →

FRAMELESS GLASS
WITH DORMA CDS43S TOP RAIL

4.

SLIMLINE
FRAME SYSTEM

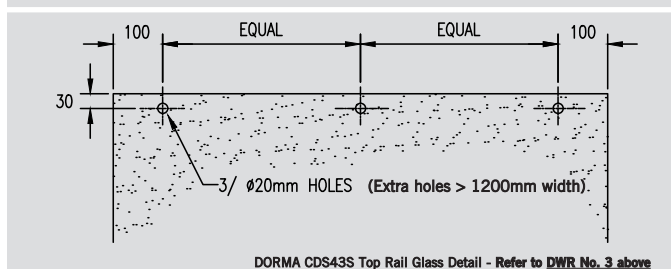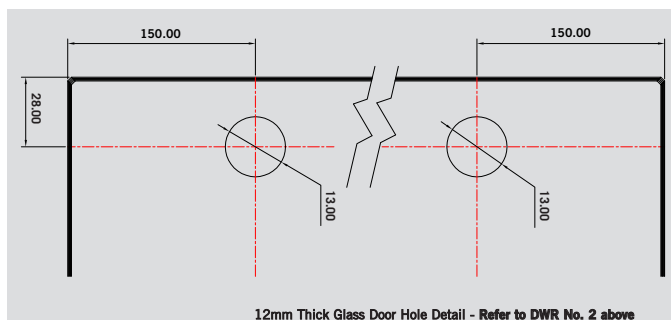
Profiles for wall face fixing, 100 mm

Profiles for wall face fixing, 150 mm

Profile for 100 mm and 150 mm height, for corridor or wall face fixing guarantees adaptation for all possible applications.

2 Basic operator profile
3 Interior cover, 100 or 150 mm high
4 Wall face fixing profile
5 Service cover holder

ES200 GLASS PREPARATION OPTIONS (≤1200mm width shown)


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

3/ ø20mm HOLES (Extra holes > 1200mm width).

DORMA CDS43S Top Rail Glass Detail - Refer to DWR No. 3 above
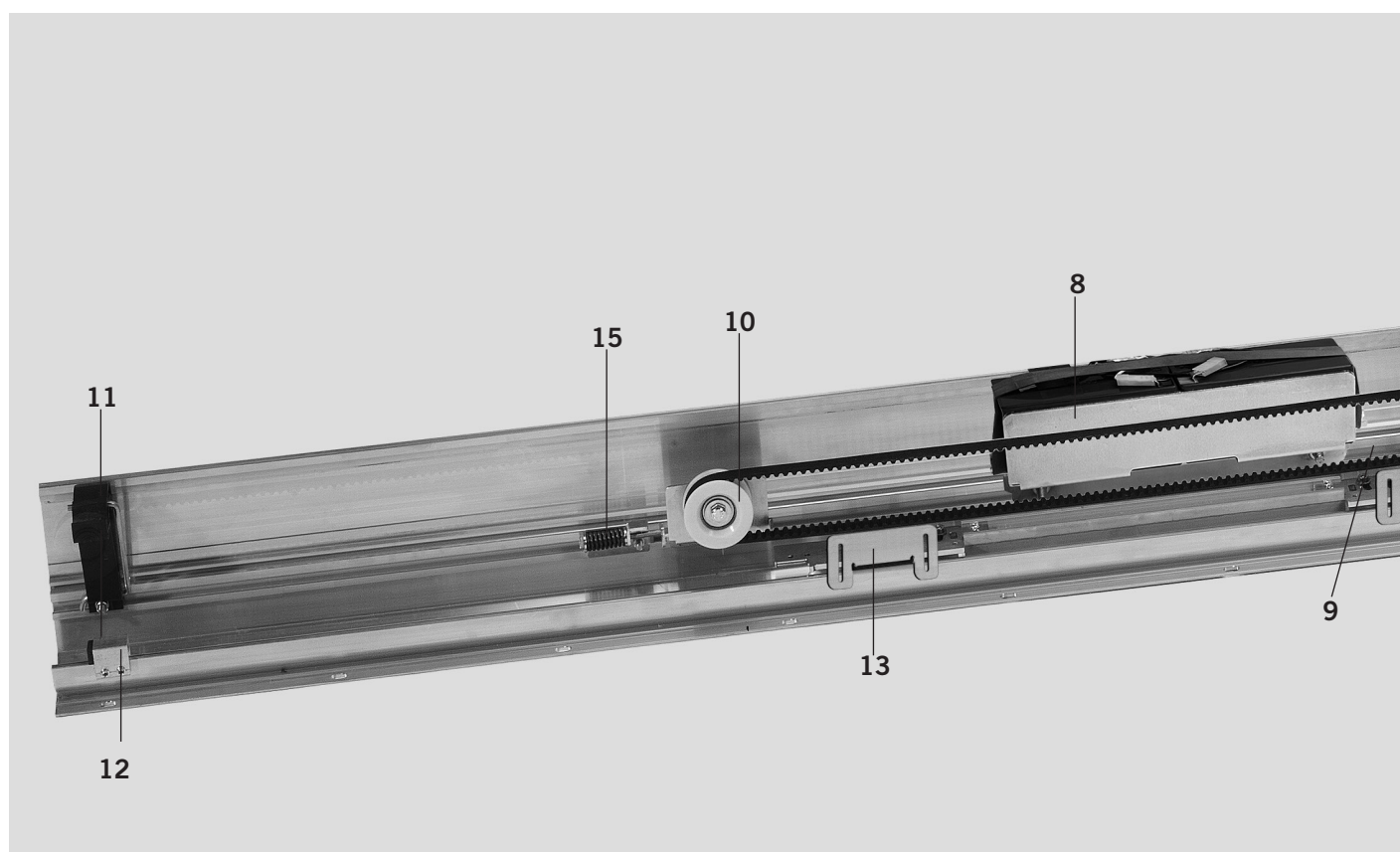
Data parameters	ES 200
Single-panel sliding door	
- Clear passage width LW	900-1800mm
- Door panel weight, max.	1x150kg
Double-panel sliding door	
- Clear passage width LW	1200-2800mm
- Door panel weight, max.	2x120kg

| Techincal data of operator	
Height - profile options	100mm
	150mm
Installation depth	180mm
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 Low voltage directive and EMC Directive	●
Manufactured to ISO 9001:2000	●

● Yes

Technical data of operator	
Modular design	●
Microprocessor-controlled function programs	
– Lock	●
– Automatic	●
– Permanent Open	●
– Half Open	●
– Exit Only	●
– Night-/Bank Function	●
Connections for	
– Fire alarm interface (FIP)	●
– Security interface / Card Reader (BMS)	●
Adjustment of all basic parameters via integrated display and pushbuttons	●
24V DC output for external accessory	●
Read-out error memory with error codes	●
Electromechanical lock	●
Rechargeable battery pack for emergency operations (UPS)	●

Functioned module (FM)-optional extra	
Door status - Open/Closed	●
Main and secondary closing edge protection	●
Panic closing function	●
Bell contact	●
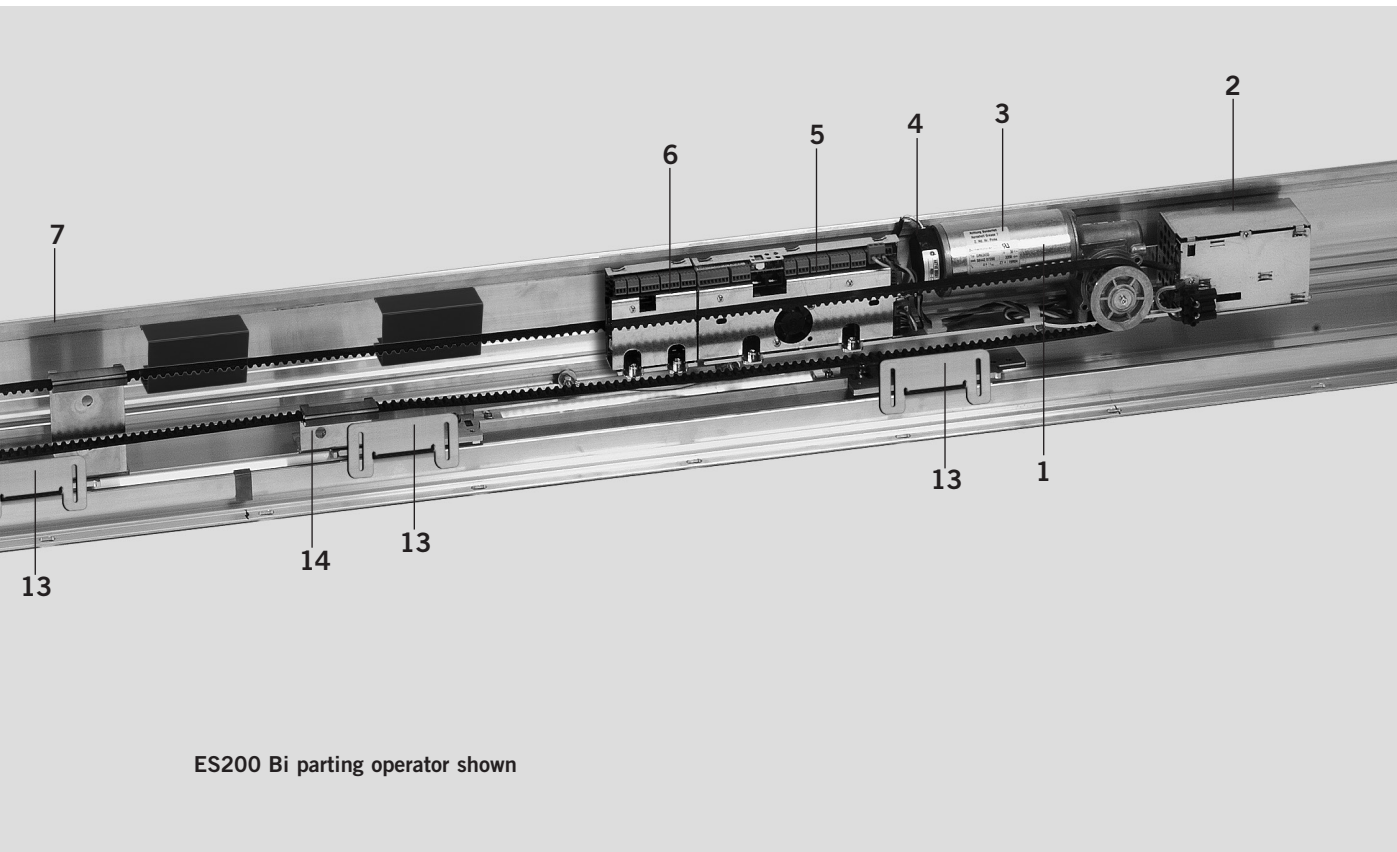
ES200 Bi parting operator shown

MiniDriveUnit
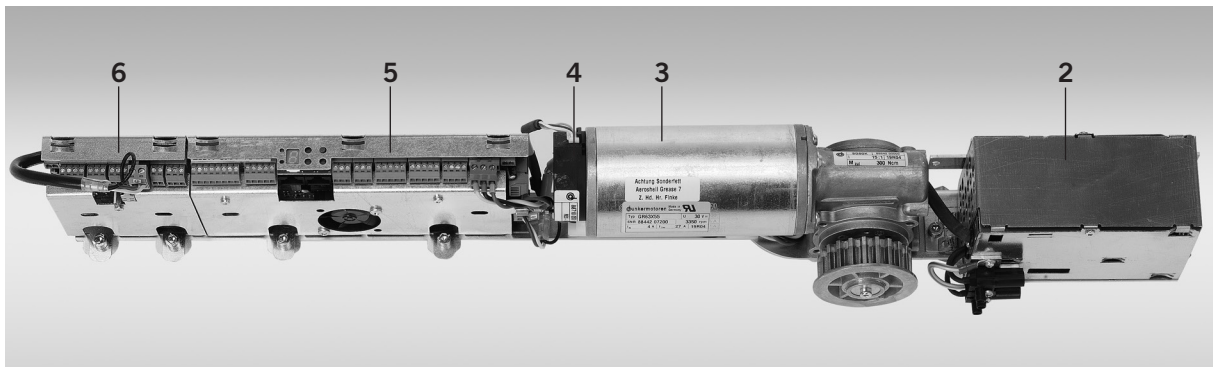
At the core of the **ES 200:**
the prefabricated **MiniDriveUnit**.
It has been independently
tested and NATA accredited to
relevant Australian standards
(Exova Warrington Fire Australia,
Certificate No. 2532800C.1).

WORLD RECOGNISED
ACCREDITATION

Components

1 **MiniDriveUnit**
2 Power supply unit
3 Motor
4 Decoder
5 Basic module (BM)
6 Function module (FM)
7 Track rail and mounting
   profile

8 Rechargeable battery pack
9 Carrier head
10 End Pulley
11 Service cover bracket
12 End stop
13 Adjustable door hanger
    Bracket
14 Belt connection
15 Belt tensioning device

SYSTEM ACCESSORIES

Connections

Drive unit
Control unit

3×1.5 mm^2

10A

230/240 V AC
50/60 Hz

2×0.8 mm^2
100 m

Emergency
pushbutton,
close to door

10×0.8 mm^2
100 m

Mode
Pad/
Key
Switch

4×0.8 mm^2
100 m

Outside:
Key switch,
card reader

2×0.8 mm^2
100 m

Inside:
Pushbutton

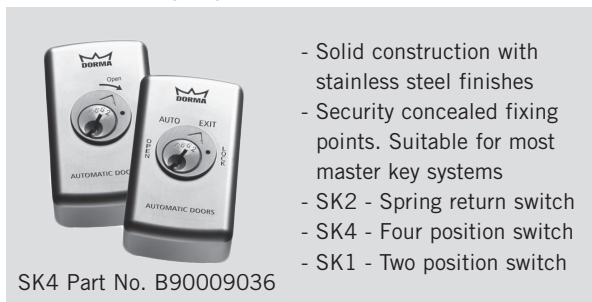**240V 10A GPO located RHS
Inside View**
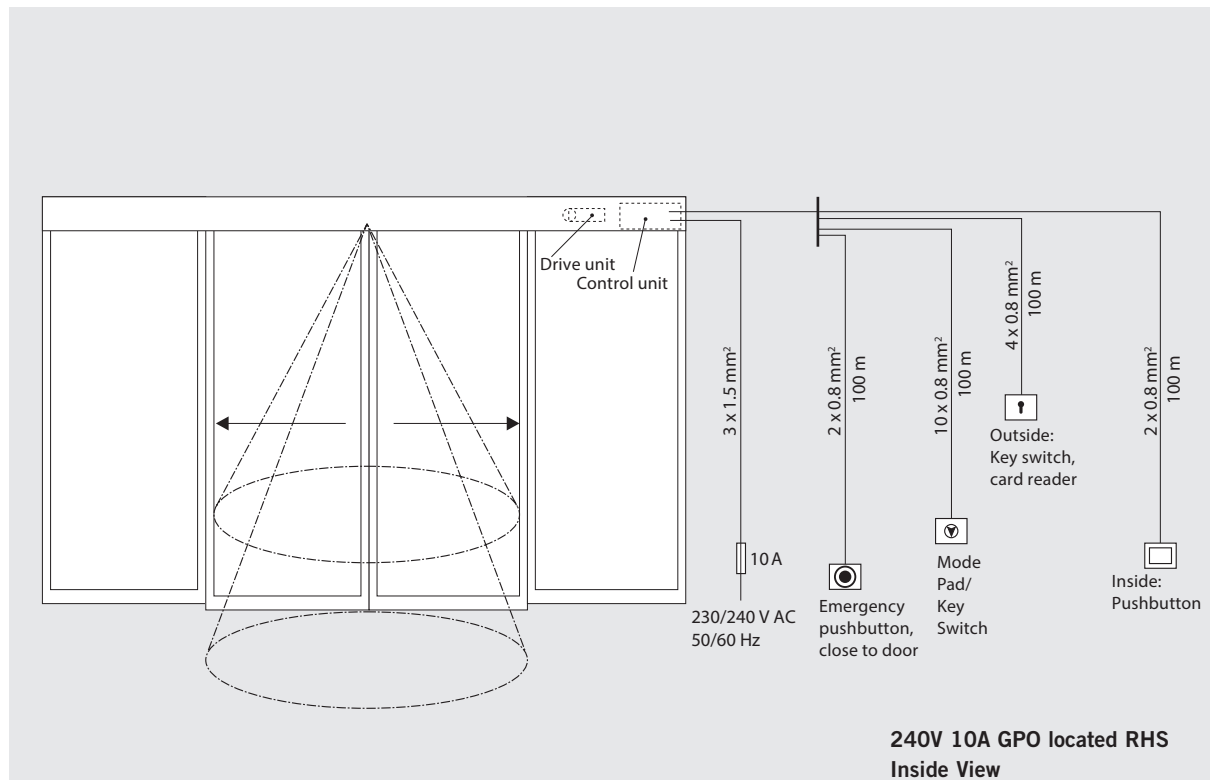
Program switch

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.
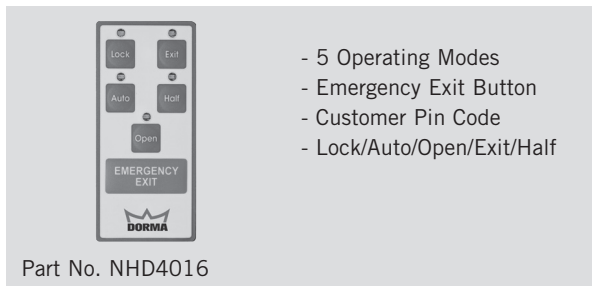
SK Series Security Key Switches

- Solid construction with stainless steel finishes
- Security concealed fixing points. Suitable for most master key systems
- SK2 - Spring return switch
- SK4 - Four position switch
- SK1 - Two position switch

SK4 Part No. B90009036

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

Mode Pad

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

Part No. NHD4016

P2 Pushbutton

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

Part No. B90009006

Motion Sensor

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

Part No. A86002000

Pushbutton

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

Part No. D19143001170 - Finish SSS

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. B12010043

Pushbutton with handicap

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

Part No. D19143001170 - Finish SSS

Presence Sensor

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

Part No. B12010045

Keypad 0-9

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

Part No. B12004020

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

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

Part No. A10109025

Touchless Switch

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

Part No. B12010022

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

DORMA