

AUTOMATIC SLIDING DOOR SYSTEMS



about north valley metals

Established in 1966, North Valley Metal is one of the country's leading suppliers of components, motors, electrical controllers and automatic entrance operators commercial entrance door market, with a reputation that is built on quality, reliability and service to our customers.

Our range of automatic entrance doors include sliding doors, revolving doors, telescopic sliding doors, semi automatic doors, curved doors and swing door operators and systems. We also offer an extensive range of door safety controls, access controls, and ancillary products, all from stock and can be delivered the next day.

For emergencies and breakdowns, we can offer a timed delivery service either a.m., before 10:00am or before 9:00am at a competitive rate.

Ease of installation of our product range was paramount in its design and we offer hinged fixing of the hood, pre-wired components and a track design that will accept motor, controller, tensioner and related components without the need to drill.

All waterproof Access Control switches conform to IP 65 rating, whilst our Optex range of Motion and Presence sensors conform to all UK and European safety regulations.

The main control boards utilise self learning technology and offer a range of functions including variable opening, closing and wait time facilities, whilst our UPS device will maintain door operation for 200 cycles during a power failure.

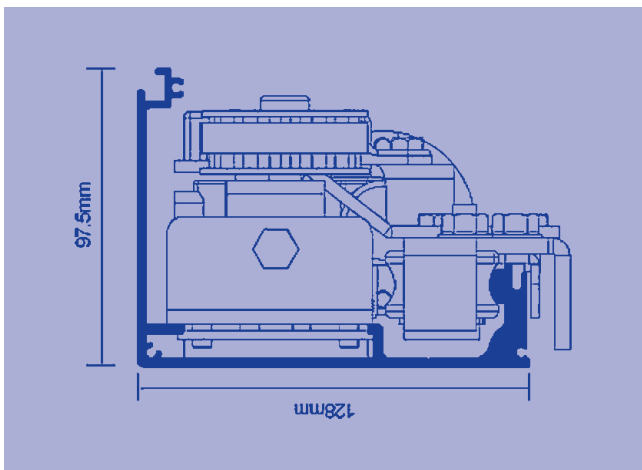
All Automatic Door Kits, Switches and Sensors are supplied with detailed manuals, wiring diagrams and installation instructions.

NVM can supply OEM kits in customer own brand, including packaging and instruction manuals.

For further details please contact : North Valley Metal on 01282 615239

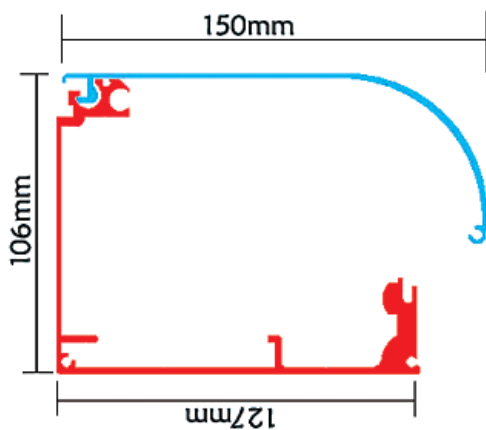
or email : sales@nvmgroup.co.uk

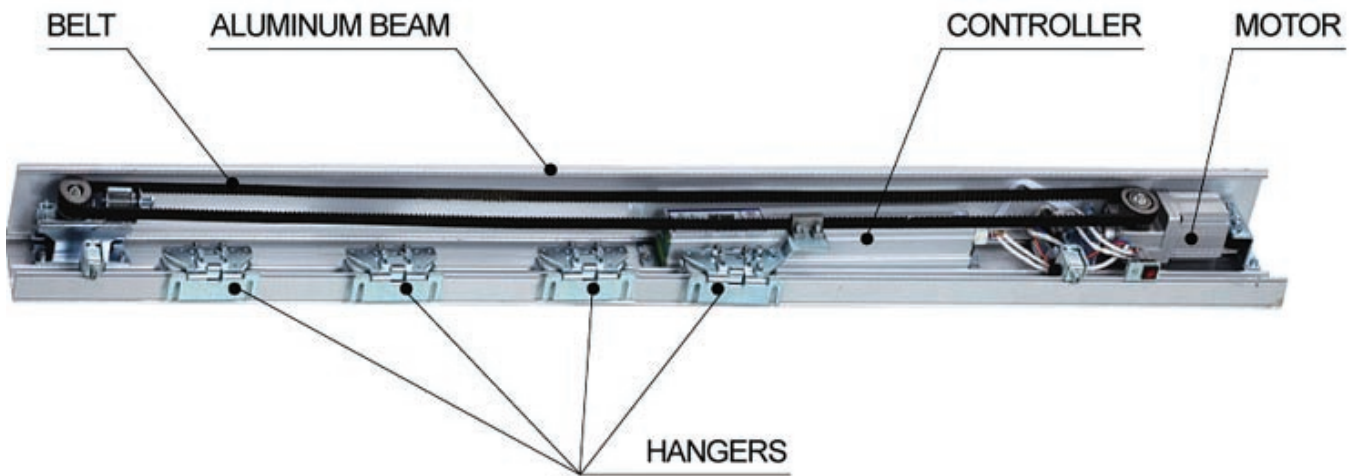
Alternatively visit our website : www.nvmgroup.co.uk



SDK100 Series

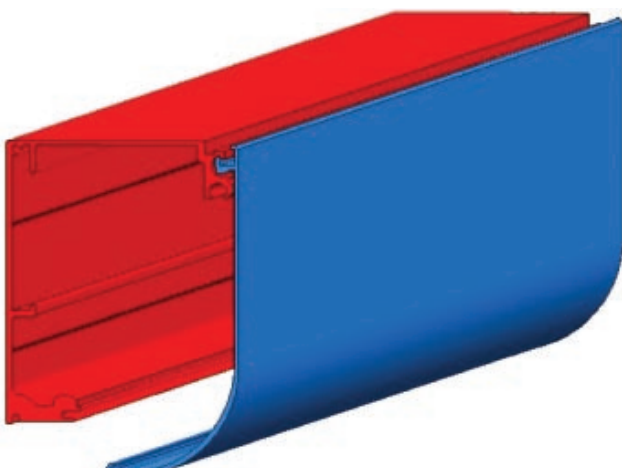
- Power Supply: 220v 50/60Hz
- Motor: 24v Brushless 55W
- Opening Speed: Max 500mm/sec adjustable.
- Closing Speed: Max 500mm/sec adjustable.
- Opening Pause Time: 0-9sec adjustable.
- Max Leaf Weight 130kgs Leaf (Single Door) / 120kgs leaf (Double Door)
- UPS: Open & Close 200 times during power fail
- Operating Temp: -20 c- +70c
- Hood Options: Hinged or Hingeless





SDK200 Series

- Power Supply: 220v 50/60Hz
- Motor: 24v Brushless 100W
- Max Leaf Weight 2000kgs Leaf (Single Door) / 180kgs leaf (Double Door)
- UPS: Open & Close 200 times during power fail
- Operating Temp: -20 c- +70c
- Hood Options: Hinged or Hingeless



SDK900 Series semi automatic sliding doors

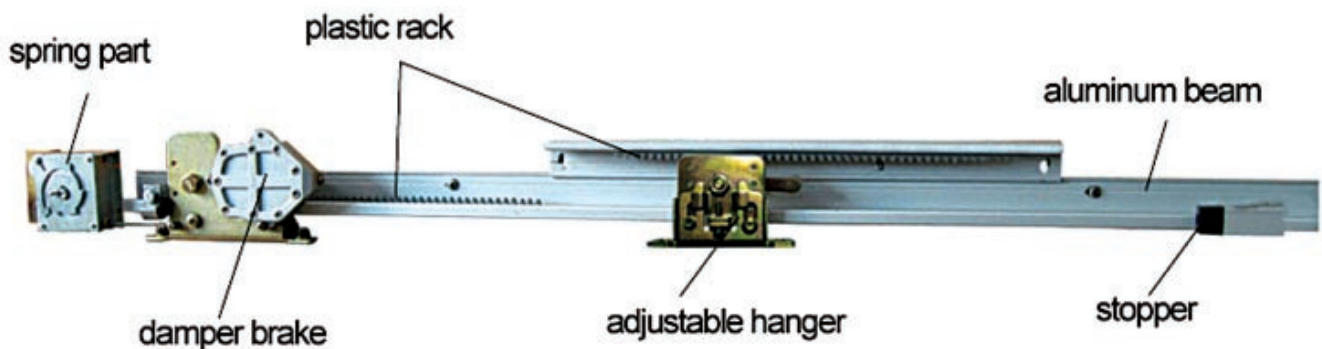
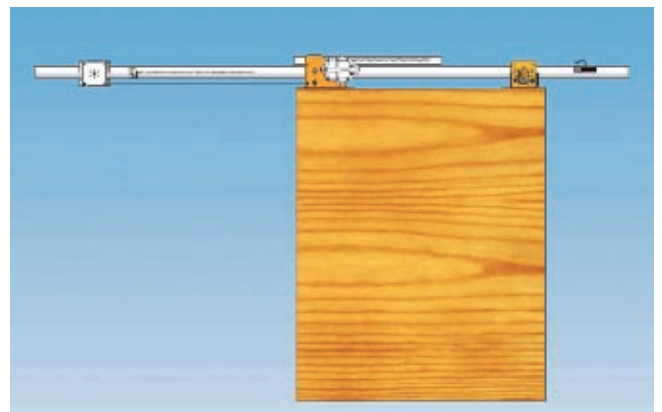
Specially designed where power supply is an issue. Ideal for workshops, schools and room dividers the Semi automatic Sliding Door is easy to install and maintain.

- Max door weight: 200kgs
- Max Door Width: 2000mm
- Configuration: Single or Double Door
- Anti-clamp function
- Adjustable Hangers
- Damper Brake

Manually opening the door tensions the Spring. On release the door will close automatically powered by the tension in the spring.

The damper brake is adjustable and controls the speed at which the door closes.

The adjustable hangers will accept wood doors, or framed glass doors.



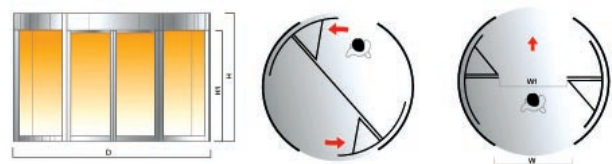
SDK600 Series rotating doors

STANDARD FUNCTIONS

- **Responsive Rotation:** Infrared motion sensors detect moving objects automatically operating the door.
- **Anti-Clamp:** Sensors, either infrared or intrusive, will detect threshold presence, stopping the door before impact.
- **Emergency Button:** Fitted to door posts will stop the door when pressed.
- **Speed Control:** The rotation speed can be adjusted to suit the operating environment.
- **Function Display:** Status and Error codes are automatically displayed on the display screen.
- **Speed Adjustment:** Frequency conversion technology allows graduated adjustment of the rotation speed.
- **High Efficiency Seal:** High quality brush seals prevent draughts, cold and reduces noise pollution.

OPTIONAL FUNCTIONS

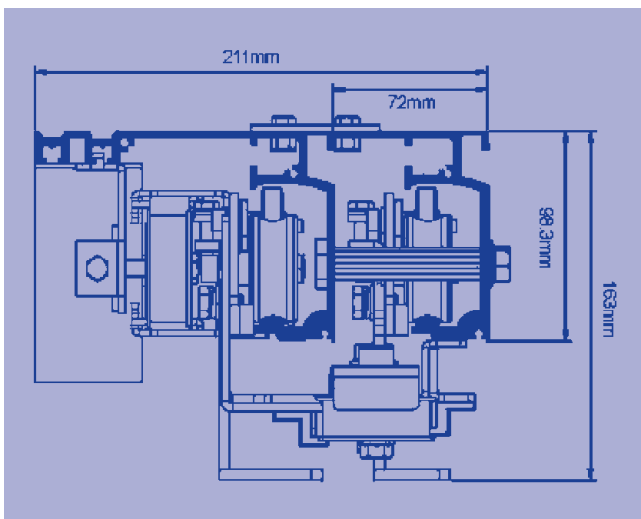
- **Battery Back Up Device:** A UPS will allow continuous operation and door opening during a power fail.
- **Fire Centre Control:** Doors controls will interact with Fire and alarm detection centres, automatically unlocking, or switching to emergency evacuation mode on receipt of alarm signal.
- **Customisation:** Door controls, Access control and Security / Safety control can be tailored to suit customer specifications.





SDK400 Series telescopic sliding doors

- Are the perfect solution where openings are either too small for standard sliding doors or too large.
- Doors operate on a 2:1 ratio
- Will accept all NVM sensors, access control systems and security / safety devices.





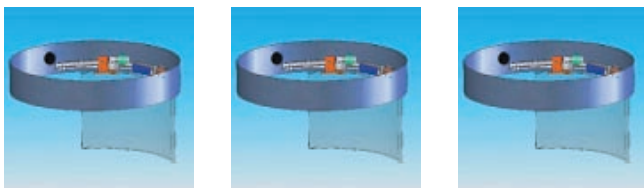
SDK500 Series curved doors

NVM offer a range of curved and ATM doors.

Doors can be supplied complete, including glazing, frames, and access control.

ATM doors, ideal for bank and security entry can be supplied to any specification to a minimum of 1 metre.

- Bespoke sizes available.
- PPC Panel Colours to RAL Spec.
- Vision Panels available (pre-glazed to customer specification).
- Warning alarms, and lights.
- Will accept an array of sensors, access keypads, digital locks and touchless sensors.
- Timed opening / closing
- Double Opening
- Door Capacity: <130kgx2
- Input: AC 150v -250v, 50-60Hz
- Opening Speed: 100-500mm/s auto
- Closing Speed: 100-500mm/s auto
- Slowing Speed: 30-100mm/s auto
- Waiting Time: 0-9 sec auto
- Closed Power F: 70n
- Manual thrust: <100n
- Power: <150w
- Working Temperature: -20 - + 50C





SDK700 Series hermetic sliding doors

Hermetic sliding Doors are ideal in sealed environments, including Clean Rooms, X-Ray protection, and Bio-Tech industries.

All Hermetic doors can be fitted with Foot or Touchless Hand Sensors, and are available with with a range of locking options.

- Bespoke sizes available.
- PPC Panel Colours to RAL Spec.
- Vision Panels available (pre-glazed to customer specification).
- Warning alarms, and lights.
- Will accept an array of sensors, access keypads, digital locks and touchless sensors.

MICROWAVE SENSORS

SDS002 microwave sensor (10GHz)

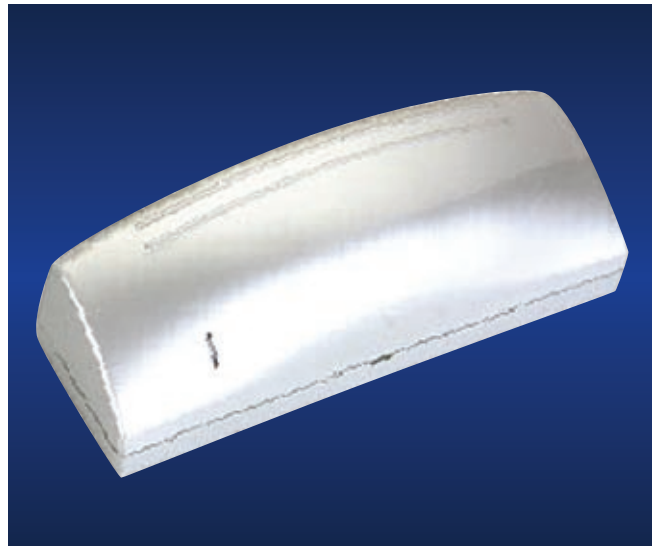
- Power: AC/DC 12-36v
- Frequency: 10.525ghz
- Protection Level IP54
- Weight: 195gms
- Size: 110mm x 64mm x 42mm
- Motion Detection only

SDS003 microwave sensor (24GHz)

- Power: AC/DC 12-36v
- Frequency: 24.125ghz
- Protection Level IP54
- Weight: 22gms
- Size: 131mm x 61mm x 46mm
- Motion Detection Only

SDS004 microwave sensor (24GHz)

- Power: AC/DC 12-36v
- Frequency: 10.525ghz
- Protection Level IP54
- Weight: 195gms
- Size: 110mm x 64mm x 42mm
- Motion Detection only
- Chip Brand: Innocent Germany



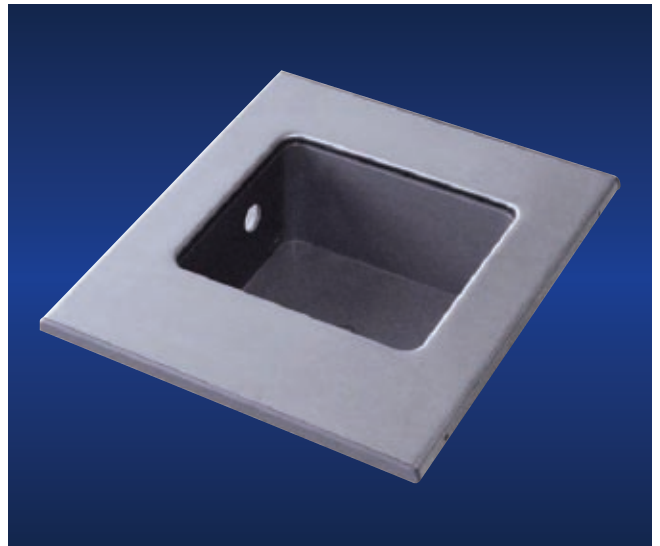
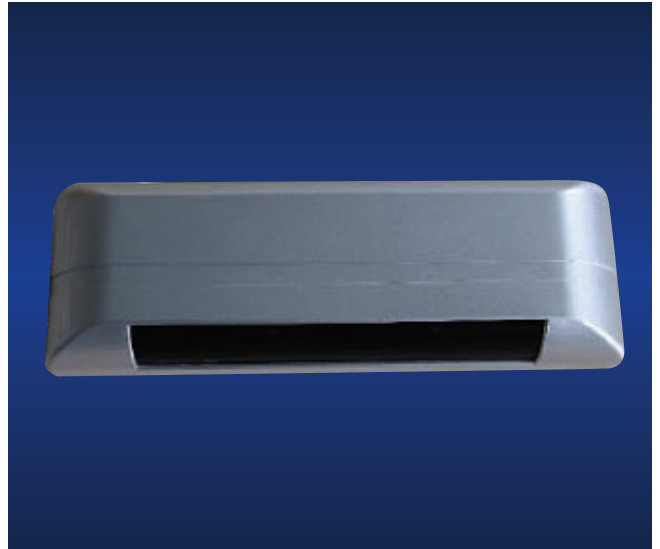
INFRARED SENSORS

SDS007 infrared sensor

- Power: DC12-36v
- Protection Level: IP54
- Maximum Installation Height: 3 metres
- Weight: 400gms
- Size: 220mm x 63mm x 26mm
- Presence Detection

SDS006 foot sensor

- Power: DC12-36v
- Reaction Time: ≤ 45 ms
- Protection Level IP54



INFRARED SENSORS

SDS100 infrared sensor

Optex OA – Axis Infrared Sensor
Air Motion and Safety Dual Sensor

- Mounting Height: up to 3.5mtr
- Detection Angle: -6 / +6 degrees 1-3 row and -23 / +23 degrees 4-5 row
- Detection Method: Active Infrared Reflection
- Power Supply: 12-24v AC @ 50/60Hz, 12-30v DC
- Voltage: 5 – 50vDC, Current 100mA max
- Output: Form C relay, 50v 0.3A max
- Output Hold Time: Approx 0.5s
- Response Time: <0.3s

SDS101 infrared sensor

Optex OA – Presence Infrared Sensor
Presence Detection for Threshold & Sidescreen

- Mounting Height: up to 3.0mtr
- Detection Area: Depth 4 degrees in or out, Width 7 degrees in or out.
- Detection Method: Active Infrared
- Power Supply: 12-24v AC/DC
- Current Draw: 160mA max
- Power Operating Indicator: Green LED on = standby, Red LED ON = presence detection
- Output Contact: Form C relay 50V, 0.3A resistance load.
- Relay Hold Time: Approx 0.5sec
- Operatiing Temp: -20C - +55C
- Dims: 221mm x 63mm x 29.9mm
- Weight: 200gm



PUSH BUTTON ACCESS CONTROL

SDP001

- Wired Push Button
- Material: Plastic
- Weight: 50gms
- Size 86mm x 27mm x 61mm
- Internal Use Only



SDP002

- Wired Push Button
- Material: Aluminium
- Weight: 150gms
- Size: 80mm x 23mm x 80mm
- Internal Use Only



SDP002B

- Wired Push Button
- Material: Stainless Steel
- LED Function
- Weight: 60gms
- Size: 84mm x 84mm x 35mm
- Internal Use Only



SDP002C

- Wired Push Button (Slimline Type)
- Material: Stainless Steel
- LED Function
- Weight: 28gms
- Size: 87mm x 24mm x 33mm
- Internal Use only



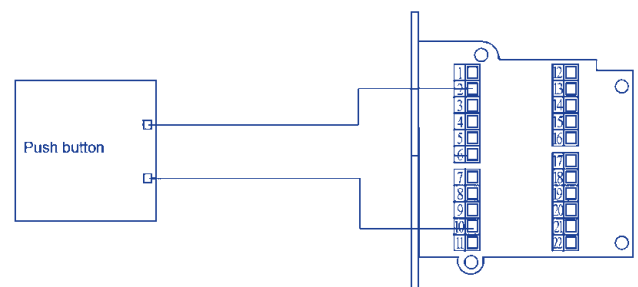
PUSH BUTTON ACCESS CONTROL

SDP003

- Wired Push Button
- Material: Plastic
- Weight: 96gms
- Size: 200mm x 40mm x 12.5mm
- Internal Use Only

SDP003B

- Wireless Push Button
- Material: Plastic
- Power: DC 12-36v
- Rolling Code Configuration
- Working Frequency: 315mhz
- Supplied complete with receiver
- Internal Use Only



TOUCHLESS ACCESS CONTROL

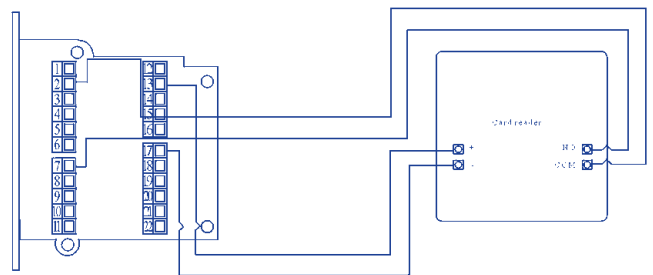
SDP004

- Touchless Sensor
- Infrared Type
- Power: DC12v
- Working Distance: 1-15cms
- Weight: 83gms
- Size: 89mm x 89mm x 37mm
- Internal Use Only



SDP009

- Touchless Sensor
- Infrared Type
- Power: DC12-36v
- Working Distance: 1-15cm
- Weight: 95gms
- Size: 113mm x 63mm x 20mm
- Internal Use Only



KEYPAD ACCESS CONTROL

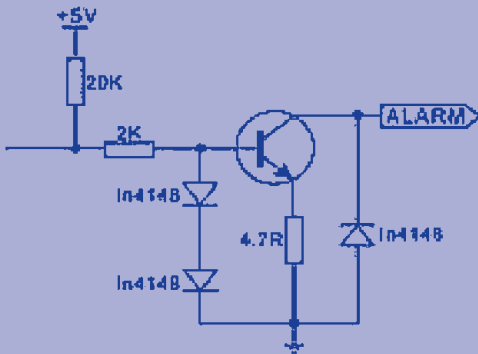
SDA007

- Access Keypad
- Material: Plastic
- Power: DC12v
- User Capacity : 500
- Protection Level: IP54



SDA002

- Access Keypad
- Material: Stainless Steel
- Power: DC12v
- User Capacity: 1,000
- Protection Level: IP54



SDA003

- Access Keypad
- Material: Stainless Steel
- Power DC12-24v
- User Capacity: 1,000
- Protection Level IP65
- External / Internal Use



FINGER PRINT ACCESS CONTROL

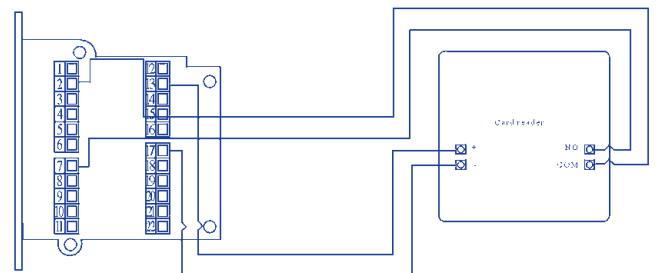
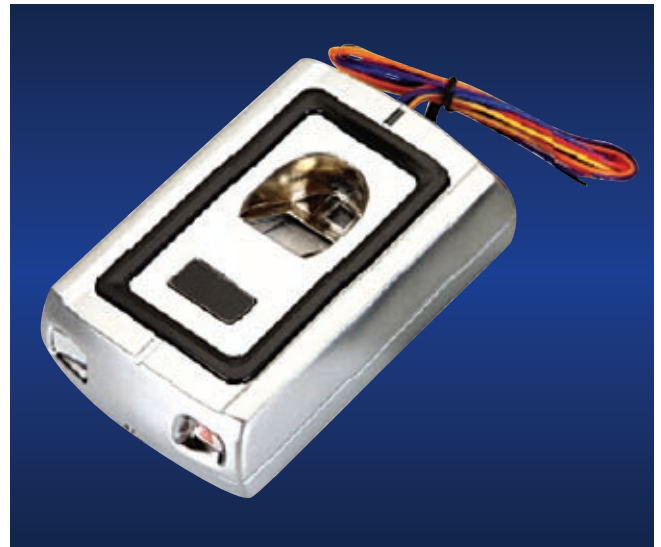
SDA005

- Finger Print Reader
- Material: Plastic
- Power: DC12v
- User Capacity: 120
- Protection Level: IP54



SDA006

- Finger Print Reader
- Material: Stainless Steel
- Power: DC12v
- User Capacity: 120
- Protection Level: IP54
- Weight: 500gms
- Size: 115mm x 70mm x 35mm



FUNCTION CONTROL

SDP005

- Function Keypad
- Material: Plastic
- Power: DC12-36v
- Function Status: Full Open, Half Open, Exit Only, Lock, Automatic
- Protection Level: IP 54



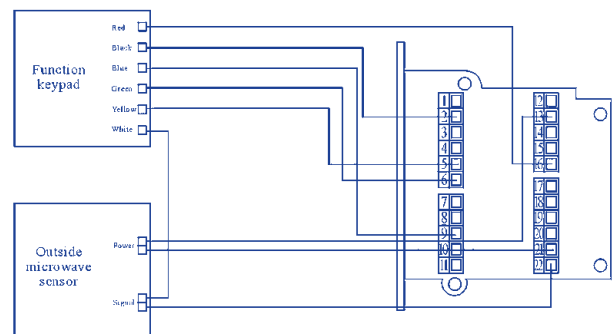
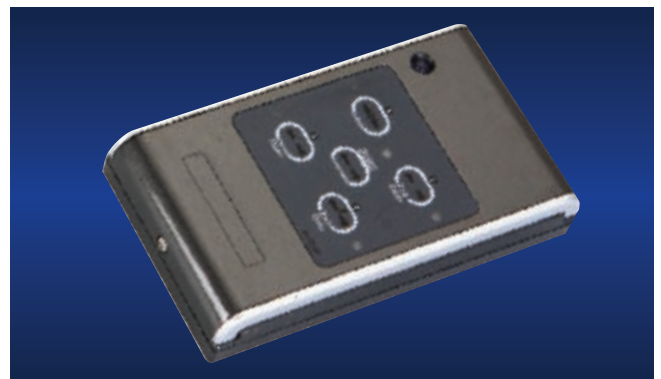
SDP007

- Function Switch
- Material: Plastic / Steel Face
- Power: DC12v
- Function Status: Full Open, Half Open, Exit Only, Lock, Automatic
- Key Control
- Protection Level IP54



SDP008

- Function Keypad
- Material: Plastic
- Power: DC12-36v
- Function Status: Full Open, Half Open, Exit Only, Lock, Automatic
- Password Function.
- Protection Level IP54



REMOTE FUNCTION CONTROL

SDR004

- Material: Plastic
- Power: DC 12-26v
- Rolling Code Configuration
- Capacity: 200 x 4 Button Fob Handsets
- Working Frequency: 433mhz
- Working Distance: 25 metres
- Function Status: Full Open, Half Open, Exit Only, Lock, Automatic
- Supplied with 2 Fob Handsets & Receiver Unit

SDR004B

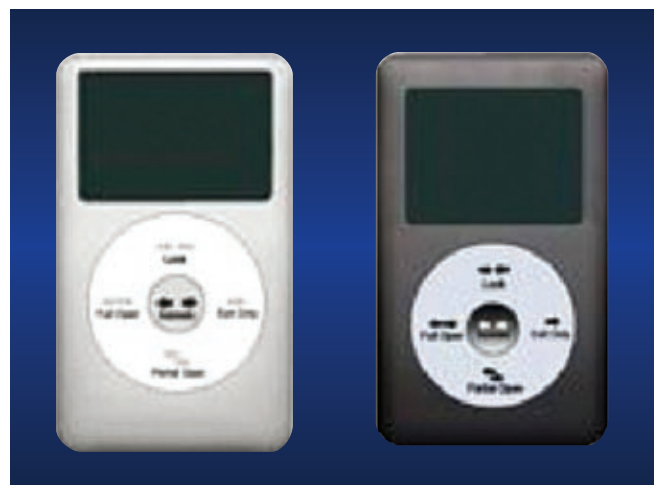
Additional Fob Handsets to suit SDR004

SDR001

- Material: Plastic
- Power: DC12-36v
- Rolling Code Configuration
- Capacity: 200 x 4 Button Keypad Handset
- Working Frequency: 433mhz
- Working Distance: 25 metres
- Function Status: Full Open, Half Open, Exit Only, Lock, Automatic
- Supplied with 1 Keypad Handset & Receiver Unit

SDR005

- Material: Plastic
- Power: DC12v
- Working Frequency: 433mhz
- Working Distance: 25 metres
- Function Status: Full Open, Half Open, Exit Only, Lock, Automatic
- Password Protection



SAFETY & POWER FAIL

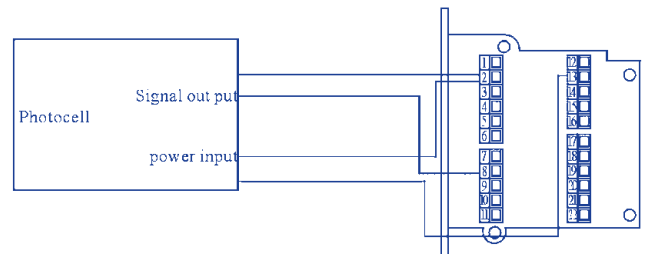
SDF001 photocell

- Single Door Operation
- Power: DC12-24v
- Max detection range: 8 metres
- Through Beam Type



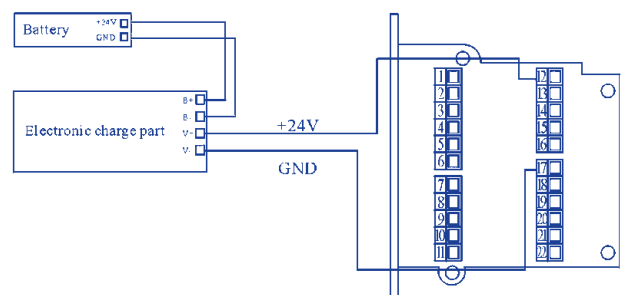
SDF002 photocell

- Double Door Operation
- Power: DC12-24v
- Max detection range: 10 metres
- Through Beam Type



SDH006 battery backup device

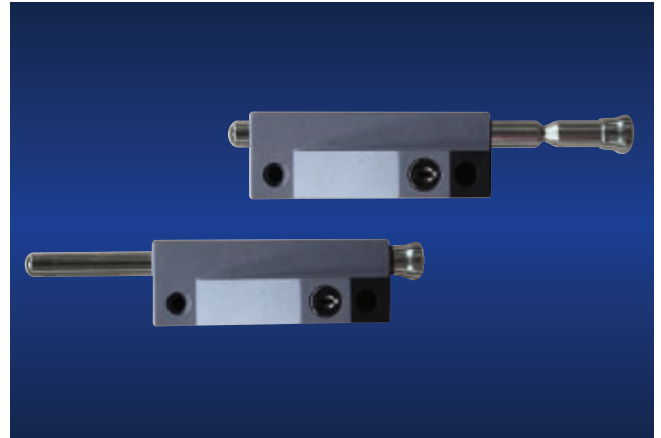
- Power Unit: 12v
- 2 x 12v Batteries
- Charge: Trickle Fed
- Run Time on power fail:
3 Hours (Fully Charged)
- Operating Time on power fail:
100 (Fully Charged)
- Supplied with Control Unit, 2 x Batteries,
Terminal Connections



SECURITY

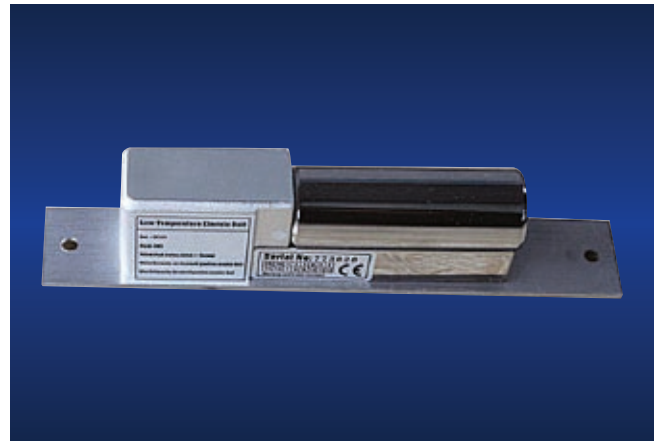
SDL001 door lock

- Material: Steel
- Working Function: Manual
- Lock Manually, Key to Open



SDL002 door lock

- Material: Steel
- Working Function: Electric
- Working Current: 0.12a
- Signal Current: 0.75a
- Size 200mm x 35mm x 42mm



SDP006 single pole key switch

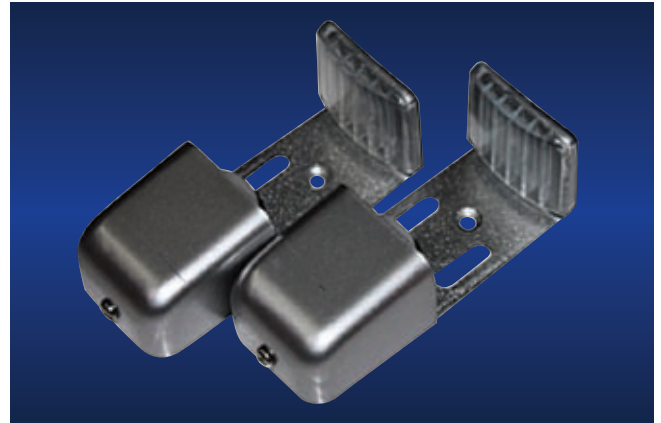
- 5 Disc Tumbler
- Dust Shutter
- Power: 4a 125v, 2a 250v
- Supplied with 2 keys
- Function: Final Exit Lock.



GUIDES & CLAMPS

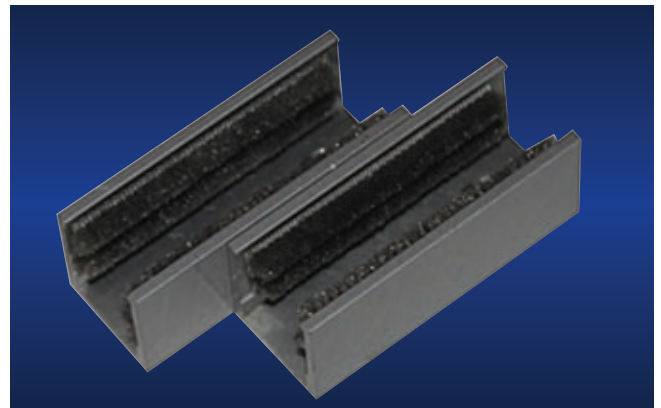
SDH003
door guides

- To suit Framed Door
- Adjustable 8mm – 40mm
- Supplied complete with cover, Rollers and Base
- Supplied as Pair



SDH004
door guides

- To suit Frameless Door
- Material: Aluminium with brushes
- Maximum Glass Thickness: 15mm
- Supplied as Pair



SDH001
glass clamp

- Material: Zinc Plated
- Length: 180mm
- To suit Frameless doors
- Supplied as Pair



SDH002
glass clamp

- Material: Zinc Plated
- Length: 1,000mm
- To suit Frameless doors



other products in the NVM range

Motors

Including Tube Motors from 30nm to 330nm in manual over-ride or non-manual over-ride options to suit 60mm, 70mm octagonal Tube, 65mm, 89mm Du Prat Tube, 94mm, 97mm, 120mm round tube.

Flange Mounted / fire Shutter operators, to suit 4", 5", 5 1/2", 6" & 8" tube from 200nm to 1300nm in either single or 3phase, including bracket packs, fusible links and fire control panels.

Direct Drive motors and Sectional Door motors, in single or 3 phase, from 25.4mm to 40mm shaft sizes and from 60nm to 1,400nm rating in either mechanical or digital limit options.

All accompanied by a full range of Inertia Safety Brakes, Dummy Ends and Idlers or shafts and discs. Crank Handles, Rockers and Key-switches, Endplates and Haul chain.

Shutter Components

Including a full range of stocked or bespoke Gears, Castings, Endlocks, Wind-end Locks, Chain & Chain-wheels, Anchors, Springs, Bearing Blocks, Spring Blocks, Endplates, Shutter locks, Isolators and Pin locks.

Wicket Gates

Standard or Euro sizes with Night Latch, Fire Exit, Double Cam and Insulated Lath options. Interlock Safety Devices, Extended and Heavy duty hinge sets, interlocks and heavy duty hinge sets.

Sectional Door Components

Including Chain-hoists, Hinges, Track, Rollers, Shoot-bolts and many other parts.

Sliding / Folding Door Components

Including Hangers, Rollers, Bottom / Top Blocks, Lattice Pins, T-Bolts Handles and Vision Panels.

Control Systems

Including Receivers, Group receivers and commands, intelligent garage door controllers, fire shutter controllers, waterproof controllers, computer controlled transmitters, handsets, single or multi-channel fobs, wireless and wired switches, LED switches and wall mounted multi-channel switches.

Steel Doorsets

Including Fire Exit, 12 point locking Personnel Doors and Double Doorsets from stock or bespoke doors to suit any size, and hardware specification including Fire Rated doors up to 4 hours and LPC rated doors up to Level 3.



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