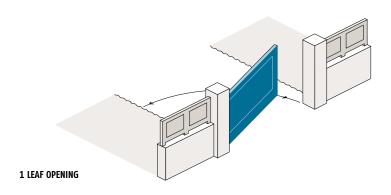
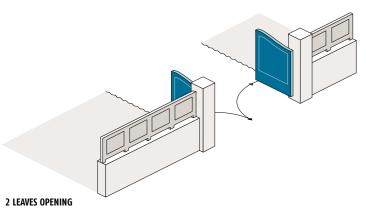


The different types of gate openings

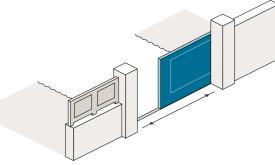
Swinging gates





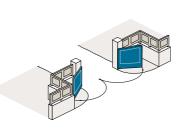
Advantages: Traditional gate with a wide choice of finishes in wood, steel, pvc, etc.

Sliding gates



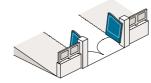
Advantages: Saves space in the drive/garden and ideal for installations on a slope. **Constraint:** Requires side clearance and a runner rail mounted into masonry.

Specific gates



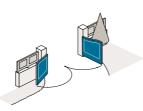
Advantages: Saves space and allows full use of the

When open, the gate must not encroach upon the public road.



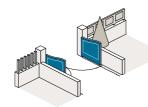
ON A SLOPING DRIVE

Advantages: System fitted with slope regulating hinges.



FROM 120° TO 150°

Advantages: For a wide angle opening of up to 150°, the gate can be mounted on the inside edge of the gate posts to be adapted to all configurations

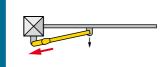


WITH A SMALL OPENING SPACE

Advantages: Economical solution. Minimal space required for installations with a small opening space area.

The different motorisation systems...

VISIBLE MOTOR / JACK **Swinging gate**



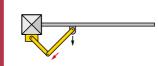
Advantages

- · Economical solution.
- Minimal space required for installations with a small opening space

Constraints

- · Very strong force exerted on the gate.
- Increased installation constraints for the installer compared with arm

VISIBLE MOTOR / ARM Swinging gate



Advantages

· Adaptable to all types of gates: iron, aluminium, wood, PVC, even the most Protects the gate structure as it reproduces the natural movement of a

Constraints

• Requires greater opening space. The Axovia Multi Pro / Sliding arm solution enables the advantages of an arm system to be retained, while having less than 16 cm of opening space, in comparison to a jack type.

EMBEDDED MOTOR Swinging gate



Advantages

manual opening

· The motor is hidden, so the attractive aesthetics of the gate is retained.

Constraints

- · Longer installation time.
- Masonry stage required to mount the

SLIDING GATE MOTOR Sliding gate



Advantages

- · Flexible, the motorisation exerts low force, preserving the condition of the
- Economical solution (1 motor instead of 2).

... and their programming systems.

Proximity programming, intuitive and innovative integrated electronics

- · Automatic proximity programming: no repair or maintenance work required on the electronic box. A single press of the remote control key will instantaneously memorise the transmitter and initiate the self-learning phase (automatic power, travel stops and speed settings)
- · Electronic system built into the motor

AX 24^{NS} control box, control unit for a tailored installation

- · Adjustmentby digital display: self-learning of the main settings (automatic power and speed regulation). Fine-tuning of the settings using the digital display for accurate parameter setting of the installation (speed and torque of each motor, travel stop, reduced speed opening and closing)
- Information feedbackfunction (feedback to help with diagnosis on your installation)
- · Integrated lighting function



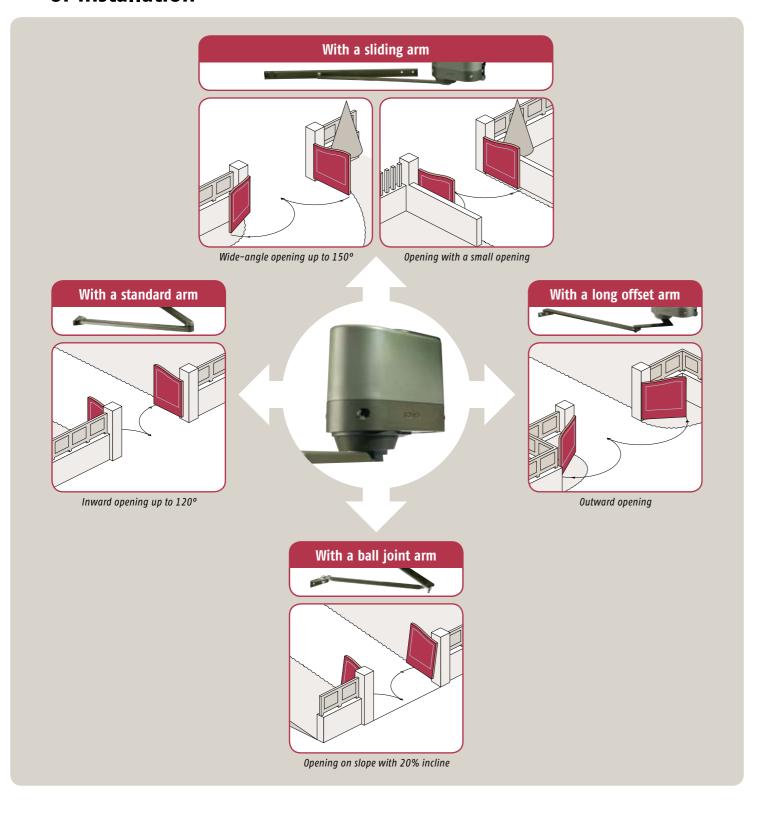


Axovia Multi Pro^{NS}

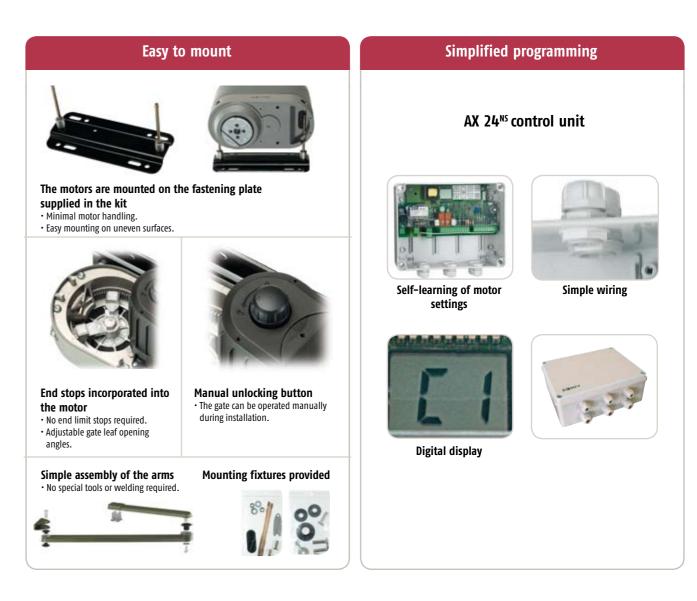
the universal solution for swinging gates.

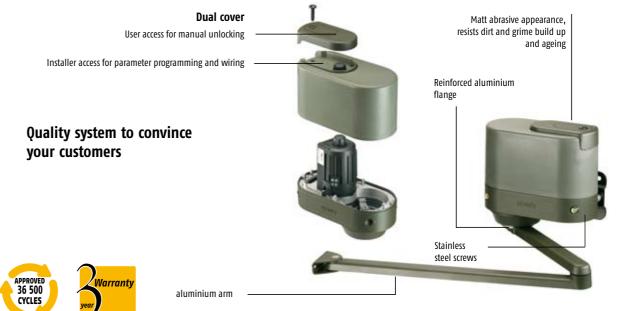


A single motor reference and four arms for every type of installation



A design to make installation easier and save you time.





Axovia 220A^{NS} Pro

Arm motorisation for swinging gates Visible mounting

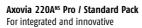
Residential



A motorisation solution for swinging gates designed to meet the expectations of professional installers.



- Fast opening in 10 seconds to 90°, with reduced speed opening and closing.
- Options are available depending on the gate control requirements: the AX24 control unit for enhanced functionality or the integrated electronics with proximity programming as the standard system.
- Robust materials for lasting durability: reinforced aluminium flange, aluminium arm, matt abrasive appearance.
- Dual cover to increase comfort and security for the user:
- 1st cover accessible to the end user for manual unlocking.
- 2nd cover for use by the installer for access to the electrical connections.





Axovia 220ANS Pro + AX24NS control box For an advanced control system





Technical characteristics

Motor power supply: 24 Vdc
Max. consumed power: 600 W
Consumed power on standby: 4.5 W
Zone lighting outlet: 500 W max.
Accessory supply outlet: 24 V DC/200 mA
Max no. of operations/day: 20
Length of opening time to 90°: 10 sec
RTS remote control frequency: 433.42 MHz
Number of remote controls that can be

memorised: 16
Protection factor: IP 55

Operating temperature: -20° to +60°

Minimum opening space (E) Opening angle (a) A (mm) a (°) E (mm)

Placement

120°

110°

105°

100°

95°

90°

90°

90°

50

100

150

565

555

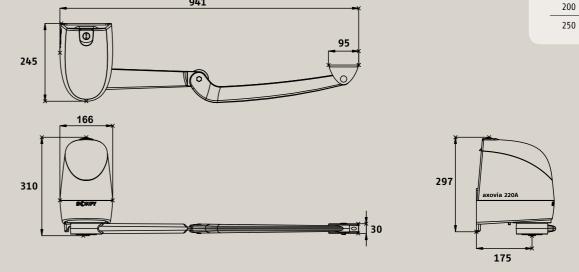
565

555

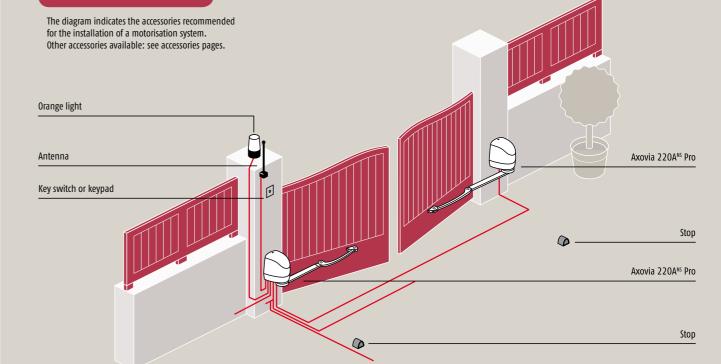
555

555

General overall size



Type of installation



Axovia 180B^{NS}

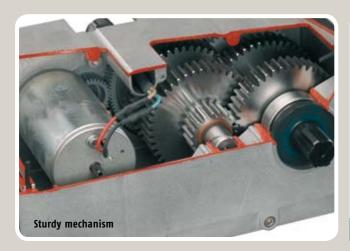
Arm motorisation for swinging gates Embedded assembly





The "invisible" motorisation solution

- Completely embedded in the ground, it retains the aesthetics of the gate.
- Suitable for all types of new or old gates (timber, metal, PVC, etc.)
- Recommended in difficult mounting situations (narrow post, small opening space etc.) due to its compact size
- Flexible when installing, the motor can be mounted under the gate or offset from its centre line.
- Opening in to 90° in 20 sec





Technical characteristics

Motor power supply: 24 Vdc Maximum intensity: 1 A Power consumption: 60 W

Torque: 175 Nm

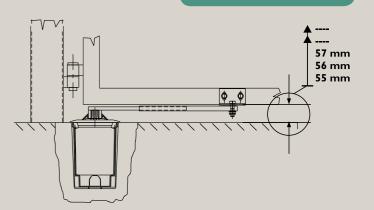
Zone lighting outlet: 500 W max. Max no. of operations/day: 20 Length of opening time to 90°: 20 sec RTS remote control frequency: 433.42 MHz Number of remote controls that can be

memorised: 32 Protection factor: IP 68

Operating temperature: -20° to +60°

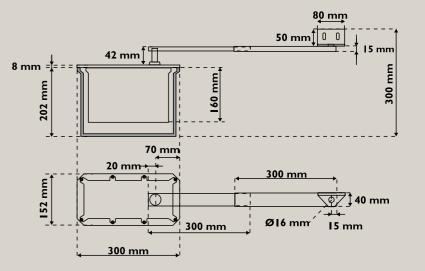
Tested over 36,500 cycles

Placement



General overall size

Axovia 180B^{NS}



Type of installation

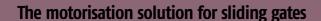
The diagram indicates the accessories recommended for the installation of a motorisation system. Other accessories available: see accessories pages. Orange light Antenna Key switch or keypad Axovia 180B^{NS}

Axovia 400C^{NS}

Rack and pinion motorisation for sliding gates Visible mounting







- Suitable for all types of new or old gates (wood, metal, PVC, etc.).
- Silent operation due to the nylon rack.
- Partial opening feature of approximately 1.25 m (pedestrian access).
- Maximum security: The Axovia 400C^{NS} complies with the standards without the requirement of additional accessories.
- Integrated electronics with a proximity programming system.
- Internal unlocking handle allowing the gate to be opened manually when required.



INTEGRATED HANDLE-

somfy

Aluminium pinion module 4-16 teeth



Unlocking handle

Complete solution

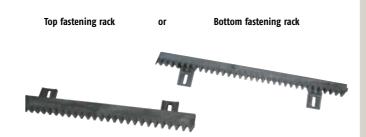
Axovia 400C / Standard Pack



Motor + rack and pinion solution



Axovia 400C / Motor head without rack and pinion



Technical characteristics

Motor power supply: 24 V Consumption on standby: 4.5 W Motor capacity: 300 W Zone lighting outlet: 500 W max.

Pinion: 4-16 teeth module

Number of remote controls that can be

memorised: 16

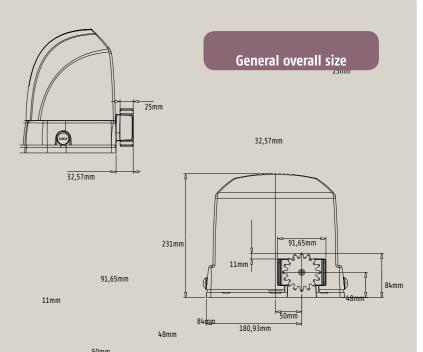
 $\label{eq:max.number} \textbf{Max. number of cycles recommended: 20 cycles/day}$

RTS remote control frequency: 433.42 MHz

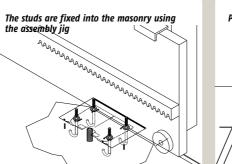
Protection factor: IP 54

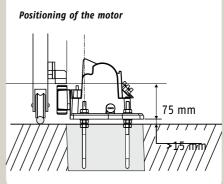
Operating temperature: -20° to +60°

Thermal protection: 100°C

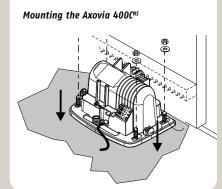


Placement

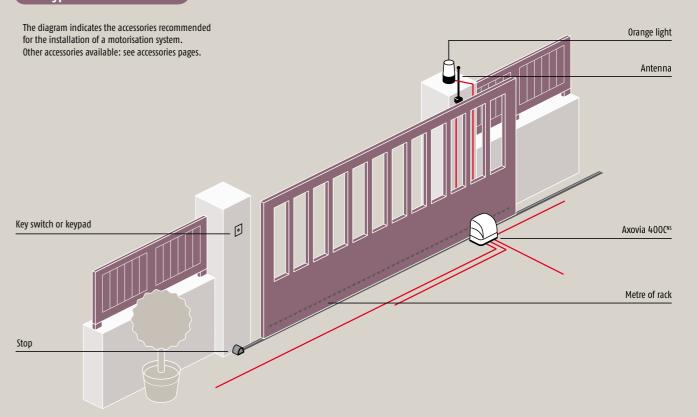




231mm



Type of installation

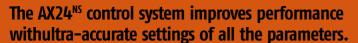


AX24^{NS}

Control system

Residential or commercial





- The main settings on the AX24^{NS} are learned automatically: automatic regulation of power and speed, taking into account the weight of the gate and its wind resistance.
- The settings are fine-tuned using a digital display.

The AX24^{NS} unit enables accurate settings of:

- the speed and torque of each motor,
- the time delay and staggered opening /closing of the leaves,
- the reduced speed opening and closing,
- the automatic reclosing time (0 to 99 sec),
- the length of time the travel range is lit up (0 to 10 min.),
- the position of the pedestrian opening,
- electrical strike.
- It also self-tests the photo-electric cells and sensor strip for optimum
- **"Lighting" function:** integrated 500 W lighting receiver to connect an
- "Feedback" function: information relating the last 10 registered faults is memorised and can be recalled on the digital display to assist with diagnosis.
- "Backup operation" functions: possibility to connect a battery backup for up to 10 opening and closing cycles in 24 hours (as an optional extra).

Use in private residential or collective housing.

Complies with European standard EN12453.

Simple to wire.

Static terminal blocks.

Cable glands.

Technical characteristics

Power supply: 230 VAC - 50/60 Hz Max. motor power: AX24 = 24 VDC - 150 W Accessories power supply: 24 VDC

Maximum accessories current (cells, keypads, sensor strips): 1.2 A

Strike: 24 V 1.5 A - 12 V 3 A Orange light: 24 V. 2 x 15 VA

Auxiliary outlet: Contact NO, 250 VAC 500 VA

Use category: 5

RTS remote control frequency: 433.42 MHz Operating temperature: -10°C to +50°C

For Axovia 220ANS, Axovia MultiProNS, and Axovia 180BNS





Self-learning of motor settings

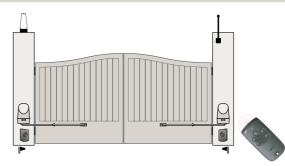


Simple to wire



Digital display

Radio remote controls









KEYTIS 2NS RTS

RTS 2-channel remote-control. Stored in the car or hung up with the house keys, it controls the garage door and the gate. Supplied with 4 coloured clips to allow customisation of the remote control (black, brown, blue, green).

Secure rolling code Range: 30 metres average Frequency: 433,42 MHz

Power supply: Lithium batteries, model 2032 (also compatible with model 2430)

Battery life: 2 years (for approximately 6 opening/

closing operations per day)

Operating temperature: -20°C to +60°C

Protection factor: IP40 Size: 69 x 41.5 x 13.7 mm











KEYTIS 4NS RTS

RTS 4-channel remote-control. Stored in the car or hung up with the house keys, it controls the garage door and the gate and an additional 2 automatic controls of your choice (lighting, roller shutters, etc.).

Locking function: prevents accidental button press Anti-theft function: confidential 4-digit code

«Battery low» indicator

Supplied with 4 coloured clips to allow customisation of the remote control (black, brown, blue, green)

Secure rolling code Range: 30 m average Frequency: 433,42 MHz **Power supply:** Lithium batteries, model 2430 (also compatible with model 2032)

Battery life: 2 years (for approximately 8 opening/closing

operations per day)

Operating temperature: -20°C to +70°C Protection factor: IP40

Size: 84 x 43 x 16 mm



TELIS 4 PATIO RTS

RTS 5-channel radio remote-control. It can be used to controls individual, zonal or groups of products.

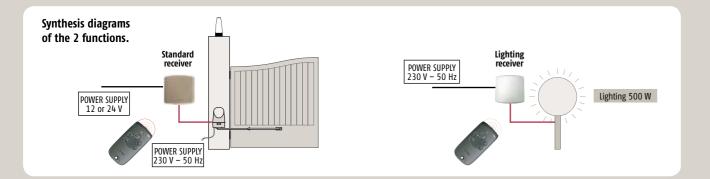
Secure rolling code

Range: 200 m in open air and 20 m through 2 reinforced concrete walls

Frequency: 433,42 MHz Colours: blue/white Protection factor: IP44 Impact and water-resistant Supplied with wall bracket Size: 145 x 49 x 22 mm



Receivers





STANDARD WEATHERPROOF RTS RECEIVER

With a 12 or 24 V power supply, this receiver can control up to 2 automatic controls. The connection between the motor and the receiver is made by a dry contact. The unit is housed in a weatherproof box.

Power supply: 24 Vdc / 20 to 28 Vac

Number of relays: 2

Number of programmable remote controls: 16 per relay (32 in total)

Option for an antenna to be connected to increase radio range

Protection factor: IP55 Size: 80 x 80 x 45 mm

Operating temperature: -20°C to +70°C



500 W LIGHTING RECEIVER

With a 230 V power supply, the receiver can control one or more electrical appliances with a maximum total power output of 500 W (e.g. lighting, fan, sprinkler, network of connectors, etc.).

Supply voltage: 230V-50Hz Size: 80 x 80 x 45 mm Output voltage: 230V Protection factor: IP55

Number of relays: 1 Number of channels able to be memorised: 12

Maximum output power: 500W
Operating temperature: -30°C to+60°C

Additional control accessories



RTS RADIO KEYPAD

Access control device used to ensure secure entry. The radio keypad can control up to 2 gate and garage door applications by entering a PIN code.

Simple installation: no wiring required

Simplicity of use: illuminated keys, a different code for up to 5 users, "Battery low" indicator

Power supply: lithium battery model 2450 included

with the keypad.

Security guaranteed: 4, 5 or 6 digit PIN code (2 million possibilities), reliability of RTS technology

Number of channels: 2 Size: 105 x 75 x 25 mm Frequency: 433,42 MHz Range: 30 metres

Operating temperature: -20°C to +60°C

Protection factor: IP54, tropicalised electronic

components



WIRED KEYPAD

Access control device used to ensure secure entry to a property. The wired keypad can control up to 2 gate and garage door applications by entering a PIN code.

Illumination of keys

Materials: metal, vandal-resistant

Weatherproof

Buzzer function: audible beep whenever a key is pressed

Power supply: 10,5 to 48 Vdc / 9 to 32 Vac Number of relays: 2 control relays, 1 dry contact NO/NC

Consumption when idle: 8 mA

Consumption with 1 relay: 23 mA Consumption with 2 relays: 42 mA Number of user codes: 50 per relay

Cable length: 3 metres **Size:** 110 x 92 x 16 mm

Operating temperature: -20°C to +70°C



RTS RADIO PUSH BUTTON

This is a two-channel interior radio switch, which can control the gates/garage door and lighting independently or simultaneously.

The push button is wireless and therefore very easy to install.

Power supply: Lithium battery, model 2032 (also compatible with model 2430)

Number of relays: 2 Frequency: 433,42 MHz **Autonomy:** 2 years

(for approximately 6 opening/closing operations per day)

Operating temperature: -20°C to +60°C

Protection factor: IP54

Size: 105 x 75 x 25 mm

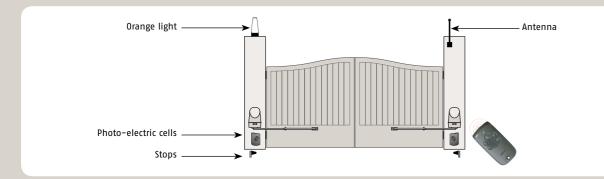


WIRED KEY CONTACT

This switch can be used as a secure option to open the gate partially (pedestrian access) or fully using a key. Surface mounted at the entrance of the property, The key switch is weatherproof (IP54) and supplied with 2 keys.

Max switching current: 1A Number of contacts: 2 Size: 105 x 75 x 25 mm Protection factor: IP54

Safety accessories





24 V ORANGE LIGHT

This emits a flashing light to indicate that the gate is opening or closing. Small and discrete, fixed on the gate post, it fits perfectly into the gate environment. While operating in automatic mode, this accessory is compulsory.

Power supply: 24V Type of lamp: 24V E14 Size: 174 x 77 x 60 mm Consumption: 10W Type of connector: bornier rapide Protection factor: IP54

Operating temperature: -20°C to +60°C



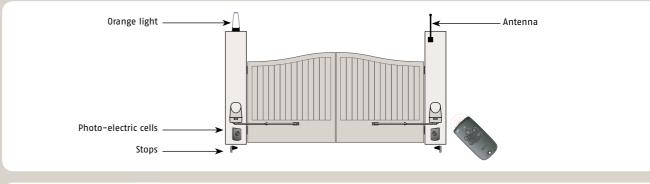
SET OF PHOTO-ELECTRIC CELLS

While operating in automatic mode, this accessory is compulsory. Surface mounted on each gate post, an invisible infra-red beam (maximum range 10 m) is sent from the transmitter cell to the receiver cell. Two sets of cells may be combined for additional safety (one on either side of the gate system).

Consumption: 80mA Transmission wave length: 880mm Protection factor: IP54 Pack size: 90 x 60 x 28 mm

Range: 10 m

Output contact: 1 NF - 1 NO
Operating temperature: -20°C to +60°C





BACKUP BATTERY FOR AXOVIA

The battery backup pack enables the gate to be operated in the event of a power cut.

The battery is fully recharged in 48 hrs and provides 10 operating cycles (opening/closing) over 24 hrs.

Voltage: 9,6Vdc Capacity: 750 mAh

Type of connector: moulded plug-in

Size: 97 x 57 x 15 mm



EXTERIOR KEY RELEASE FOR AXOVIA 220ANS / MULTIPRONS

Fixed on the overlapping leaf and unlocked by the key, the system slides until the motor arm fastener is detached from the gate and allows the pedestrian leaf to open.

Supplied with 3 keys.

Pack dimensions: 290 x 60 x 115 mm



EXTERNAL RELEASE FOR AXOVIA 220ANS / MULTIPRONS

Operating as a fixed-position key contact, the system releases the sliding motor and allows the gate to open.

Comes with 3 keys. Number of contacts: 2 Protection factor: IP54 www.somfy.co.uk

Somfy Ltd Moorfield Road Yeadon Leeds West Yorkshire LS19 7BN Tel. 0113 391 3030 Fax. 0113 391 3010

