

Remote Gear for Windows & Doors

Hardware By Professionals | For Professionals

Remote Gear for Windows & Doors

Mila offers a range of manual and electronic solutions for windows & doors - whether it be for access control, simple convenience or to meet the requirements of the Disability Discrimination Act we have the ideal solution. Systems can be integrated with electronic openers/closers, smoke detectors, temperature sensors or even rain sensors.

If you would like further information, call the Mila maintenance sales team on 01226 203 315



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Primat FL-190

- Flat type fanlight opener for bottom hung inward opening windows, softline design, stay, cover profile and lever handle made of aluminium F1 (white, dark brown) stay with positive locking system, stays held by coupling in stay holder adjustable universal sash bracket with cover cap, sash release with safety button, cover profile without mitre, with edge cover cap.
- Softline design: elegant appearance - modern flat construction
- Wide opening: about 180mm - space requirements 23mm
- Rod connected to chain, no screws, no clamping
- Universal sash bracket for all windows, with cover caps, projects 0-25mm
- Visible parts made of aluminium (stays, cover profile, lever handle), functional parts galvanised steel
- No mitre cuts: aluminium cover profile with straight cut and cover caps on guide chain
- Sash suspension with safety button, readily checked
- Fitting no problem: Stays and rod can be fitted from the front. Stays held by coupling in stay holder
- Operation: By lever handle, pivoted lever, lever with transmission, spindle drive, electric drives SM 100
- Opening stays exert a strong force to ensure opening, positive locking in closed position, fixing system for open position safe in high winds
- Closing pressure adjustable with automatic compensation for inaccurate fitting
- Covered fixing screws. Lever base and chain guide also have fitting pins
- PVCU rod guides with closure clips
- Sturdy, elegant lever handle. All functional parts are covered
- Jigs for easy, quick mounting
- Additional locking arrangements for high bottom-hung windows, fitted on sides, with adjustable closure pressure



Telescopic Spindle Drive

Anti-rotating telescopic spindle drives for light domes in roofs as well as ventilation windows in green houses and conservatories.

- Type 310SA operates with a hinged crank rod (detachable)
- Type 310K operates with a built-in crank handle
- Max. weight of frame: 60 kg
- Length of stroke: 310mm
- Spindle drive in brass chrome finish

Please note: This product is not suitable for vents hung in the vertical plane.

Please contact the Mila sales team on 01327 312 400 to order this product



Guarantees & Accreditations

Mechanical Guarantee	5 years
Labour Guarantee	2 years

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Automated Windows

In the same way that doors can be automated for opening/closing so too can windows. However, as windows are used in more wide and varied applications so too are the options for automation.

Installations

Typical installations can range from stairwells to schools and from roof windows to adaptations for operation by the elderly or disabled. To satisfy this wide variety of applications we have three different types of drive gear:

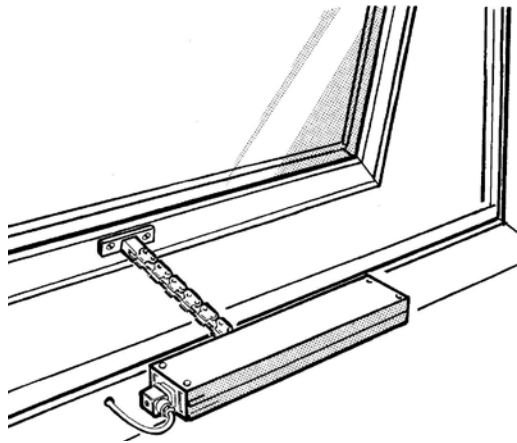
1. Chain Drives

The most effective and adaptable method of automating casement windows is via chain drives. These are slimline electrical drives that can be used for direct opening of bottom hung, top hung and side hung windows. As their name suggests chain drives feature a special chain that can exert both "push" and "pull" forces and therefore open/close casement windows with optimum precision, safety and reliability.

Depending upon requirements and casement sizes the chain drives can open from 10mm to 800mm. When closed the chain is rolled up inside the motor housing so that it is completely concealed. The motor housing itself can be supplied in a number of powder coated or polished finishes to match all types of PVCU, aluminium and timber.

Typical applications:

- Adaptations for the elderly and infirm
- Stairwells or areas with restricted access (ie. windows at height)
- Schools
- Commercial premises



2. Spindle Drives

For roof windows or where windows are fitted on an incline, electric spindle drives are the ideal solution. The relatively small dimensions and low operating noise make it ideal for domestic and commercial applications alike. The direct drive operation is protected against mechanical overload and allows for openings (or stroke) of 100mm to 750mm. For larger or heavy casements two motors can operate in tandem via a synchronised controller.

Typical applications:

- Roof windows
- Conservatories
- Inclined panes

3. In-direct drives

In-direct drives are ideally suited to larger top hung, side hung or bottom hung casement windows. For added security they can feature a sealing cam as a locking point.

Controls

There are a variety of options for control, starting with a simple open/close control switch. This can be used to control the opening and closing of one, or more, window for natural ventilation. For even further convenience a remote control can be added to the system so that it can be operated from anywhere in the room.

In more advanced installations a number of openers can be connected to a thermostat to help regulate ambient temperature. At their most advanced the system can be linked to complete building management systems to regulate temperature, open in event of a fire or even close when it starts to rain.



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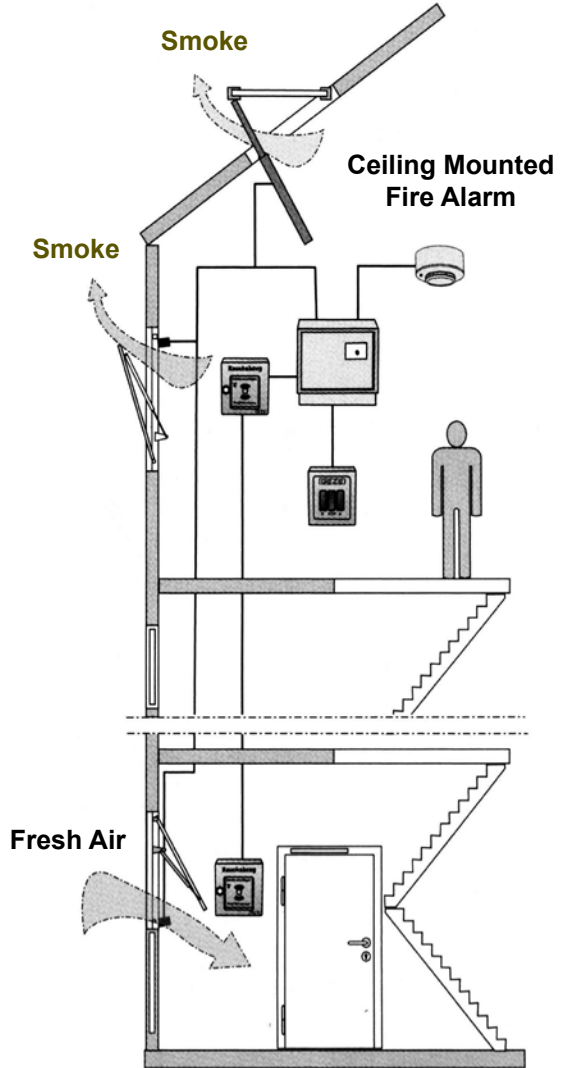
Smoke Venting

It is widely acknowledged that in the event of a fire it is not the fire itself that causes injury or fatalities but the smoke which accompanies it. A fire should be ventilated so that smoke does not spread throughout a building and especially not into escape routes such as staircases and corridors.

Our electronically operated smoke and heat extraction hardware can be installed as a stand alone system or can be integrated with an existing fire alarm or building control system.

Typical applications:

- Hospitals
 - Offices
 - Industrial Buildings
 - Shopping Centres
 - Warehouses
 - Public Buildings
 - Banks
 - Hotels
 - Restaurants
 - Airports
 - Railway Stations
 - Residential Homes
- and in general:
- Rescue & Escape Routes (ie. staircases & corridors)

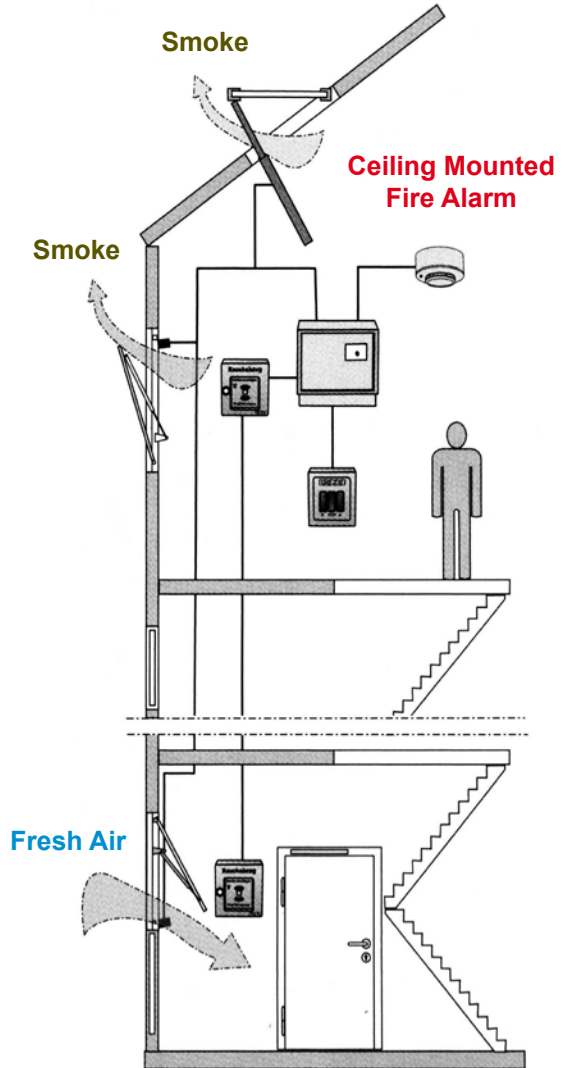


An RWA/Smoke Venting System in Action

In the event of a fire specific vents/windows open automatically. This allows dangerous smoke and gases to escape while introducing fresh air to the building.

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Automated Doors

Automation is an accepted part of every day life. Our car doors unlock at the touch of a button, why not apply this principle to our homes? This ability has obvious benefits for both the elderly and the infirm or for satisfying the requirements of the Disability Discrimination Act.

Our door automation solutions fall into three main categories - although it is possible to have a completely bespoke installation. Please contact us prior to door installation for a site survey and quotation.

The systems can be supplied fitted on our exclusive range of Fear Free and Fire Free composite doors, alternatively they can be retro-fitted to most aluminium, pvc-u or composite door systems. All door systems are installed and commissioned by fully qualified electrical engineers.

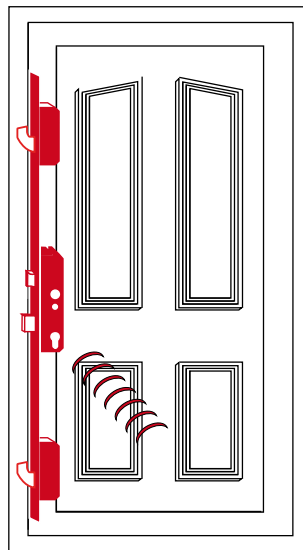


Solution 1: Automatic Locking/Unlocking

Option 1 features a multipoint lock with 3 separate locking points. This provides far more effective security than a simple electronic latch as it provides locking and compression points along the full length of the door. When the key fob supplied is pressed all locking points retract and the door may be opened. When the door is closed the locking points automatically re-engage

Operation: Key fob

Applications: Communal doors, elderly & infirm, office blocks, schools, hospitals

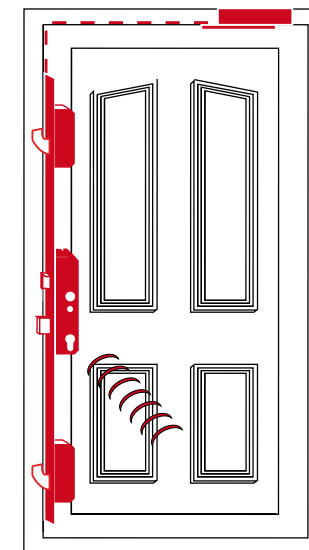


Solution 2: Automatic Locking/Unlocking + Opening/Closing

Option 2 features the same high security multipoint lock combined with an automated door opener/closer. When the key fob is pressed all locking points retract and the door opens to 80°. After a specified period the door will close automatically. If, on closing, the door meets an obstruction it automatically re-opens before safely closing when the obstruction is removed.

Operation: Key fob

Applications: Wheelchair access, elderly & infirm

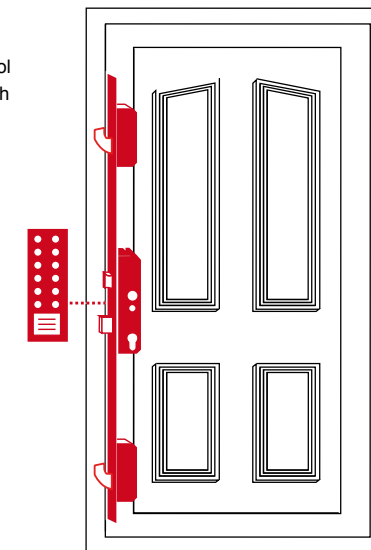


Solution 3: Automatic Locking/Unlocking + Access Control

Option 3 combines automatic locking/unlocking with access control technology. Our high security multipoint lock can be combined with push pads, proximity devices, swipe cards or even key pads.

Operation: Key fob, key pad, swipe card, proximity devices

Applications: Communal doors, elderly & infirm, office blocks, schools, hospitals



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Specification Sheet - Natural Ventilation

1	Casement dimensions (in mm)	Width.....mm Height.....mm
2	Casement weight (in kg)kg
3	Type of window	<input type="checkbox"/> bottom hung casement <input type="checkbox"/> top hung casement <input type="checkbox"/> side hung casement
4	Opening type	<input type="checkbox"/> inward opening on the top <input type="checkbox"/> inward opening on the bottom <input type="checkbox"/> outward opening on the top <input type="checkbox"/> outward opening on the bottom
5	Shape of casement	<input type="checkbox"/> rectangular <input type="checkbox"/> triangular <input type="checkbox"/> inclined <input type="checkbox"/> round arched <input type="checkbox"/> flat arched <input type="checkbox"/> dome shaped
6	Number of casements qty
7	Arrangement of casements	<input type="checkbox"/> vertical <input type="checkbox"/> horizontal
8	Number of ventilator groups qty
9	Location of casements	<input type="checkbox"/> built vertical into facade <input type="checkbox"/> built into inclined facade <input type="checkbox"/> built into the roofing
10	Colours	<input type="checkbox"/> Silver <input type="checkbox"/> White RAL 9016 <input type="checkbox"/> Special Colours (RAL, HEWI etc)
11	Contact details	Name:..... Organisation:..... Tel:..... Fax:..... E-mail:.....

Specification Sheet - Smoke Venting

1	Casement dimensions (in mm)	Width.....mm Height.....mm
2	Casement weight (in kg)kg
3	Type of window	<input type="checkbox"/> bottom hung casement <input type="checkbox"/> top hung casement <input type="checkbox"/> side hung casement <input type="checkbox"/> top and bottom centre hung casement <input type="checkbox"/> left and right centre hung casement
4	Opening type	<input type="checkbox"/> inward opening <input type="checkbox"/> outward opening
5	Shape of casement	<input type="checkbox"/> rectangular <input type="checkbox"/> triangular <input type="checkbox"/> inclined <input type="checkbox"/> round arched <input type="checkbox"/> flat arched <input type="checkbox"/> dome shaped
6	Number of RWA casements qty
7	Number of ventilator groups qty
8	(high level) Location of casements (low level)	<input type="checkbox"/> built vertical into facade <input type="checkbox"/> built into inclined facade <input type="checkbox"/> built into the roofing <input type="checkbox"/> built vertical into facade <input type="checkbox"/> built into inclined facade <input type="checkbox"/> built into the roofing
9	Required free smoke extraction in metre ²	m ² /vent..... m ² total.....
10	Required opening travel in mm (alternatively in degrees)mm
11	Reveal depth in mm (if applicable)mm
12	Colours	Standard colours (EV1, silver, white RAL 9016) Special colours (RAL, HEWI etc.)
13	Enclosures (e.g. technical drawing or rough draft)	<input type="checkbox"/> yes <input type="checkbox"/> no
11	Contact details	Name:..... Organisation:..... Tel:..... Fax:..... E-mail:.....