



# Gate & Barrier Automation



Advanced automation technology with essential safety features as standard

# Auto-Gates



Our Gate Automation service vans

## Auto-Gates mean increased security and convenience

The many advantages of automated gates and barriers are now widely recognised by domestic, commercial and public users. They bring security against intruders, all-weather ease of operation, prestige and help with traffic control, and they also conform to Health and Safety requirements.

## Tried and tested over many years

Jacksons' years of experience in every aspect of security makes us the obvious people to turn to for the design, supply and installation of the most advanced entry systems. We regularly install systems for local authorities and police forces as well as in domestic and commercial premises.

## Show us a gate and we'll automate it

We can automate any of the types of gate we produce, from the purely functional to the proudly ornamental, and we strongly recommend that any cantilever gates over 6M wide should be automated.

## Safety is a priority

The Jacksons team pride themselves in only supplying and installing the very best in automating equipment. Along with this advanced technology comes a commitment to safety; all our products come with essential safety features as standard, to ensure all users will be safe at all times and that's something not all our competitors do.

## Design and installation

Gates can be controlled by a range of operating systems - remote control, intercom, keypad or card operated, with additional security devices. More information on these options is in the section of this brochure.

## Jacksons' Auto-Gates engineers

Jacksons will liaise with other contractors to provide free advice, on-site survey and quotations, but to ensure trouble-free operation we have a fleet of specially trained engineers to install our own automated operating systems.

Established 1947

# Gate & Barrier Automation



Barbican cantilever automatic sliding gate

## Sliding Gates - the most reliable automated gates available

Sliding gates, whether they are cantilevered, as shown, tracked or telescopic, can all be automated with heavy duty motors and control equipment to operate them in a variety of ways. The motor and control equipment is mains powered and housed in neat, lockable cabinets, that protects them from weather and unqualified interference. All available with remote or push button control.

## Space saving

One of the main benefits of sliding gates is they save on valuable opening space which means you can utilise more of your valuable land.

## Silent, smooth and safe operation

Even where ground is not level, the cantilevered design sliding gates run smoothly on nylon wheels, making them surprisingly quiet. All can be supplied with a variety of safety devices which stop and reverse the gate in case of obstruction. There is more information on these products further on in this section of the brochure.



Sentry cantilever automatic sliding gate

## Residential Auto-Gates - you, your family and pets will be safe and secure

Fit a Jacksons Auto-Gate and you can rest assured your family and property will be much more safe and secure. For locations where stopping to open a gate is hazardous, to keep children and pets from the road.

## Increased personal safety and convenience

There are times you would much rather stay in your car, for instance when it's pouring with rain, or when it's dark and you are alone, or if you are disabled. Leaving the safety of your car to open your entrance gate can be the last thing you want to do. Now you can do it with a push of a button.

## Mains & battery back-up as standard

Entrance gates can be operated by remote control or push-button with variable time delay before closure. Additional safety measures include infra-red photocells to sense any obstruction.

Operated by rear mounted ram or concealed underground mechanism. Single leaf widths up to 3.6M. Mains powered with battery back up.



Automatic entrance gate in operation

For technical help call 01233 750393

# Gate & Barrier Automation

## Finished to stay looking good

Constructed in corrosion-free hot dip galvanized steel which is virtually unaffected by weather. They can also be supplied with an additional polyester powder coating, in a choice of standard colours, green, black, white, blue or grey. (other colours on request).

Widths up to 12M for single leaf of 20M double.



Barbican Barb top cantilver automatic sliding gate



Barbican automatic swing gates with Mercury operator

## Automated Swing Gates

Swing gates add prestige to security. Steel gates with ram or underground control mechanism, remote or push button operation. Up to 5M single leaf or 10M double. Safety devices available as shown later in this section of the brochure. Mains powered with or without battery back up. Let us know your requirements and we will gladly forward a competitive quotation and specification.

## Automated Traffic Barriers

Traffic Barriers for entrance control etc.

Supplied in various types - medium or heavy duty and varying arm configurations. Up to 10M single beam or 20M double as standard. Larger models available. Designed to suit your individual requirements.



Pair of Sentry cantilever automatic sliding gates plus auto-barriers



Barbican cantilevered automatic sliding gate with a pair of Orion barriers

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# Gate & Barrier Automation



Mercury Ram

## Mercury ram

For single leaf bar gates up to 4.5M (6M double leaf). Solid infill gates up to 2.5M wide (5M double leaf). With max 115 degree opening. 240v mains powered or with 24v transformer and battery backup.

## Earth Operator

Underground gate operator can be completely hidden when appearance is all important. Suitable for heavy-duty use up to 4M (8M double leaf). Optional max 180 degree opening, with 24v transformer and battery backup.



Earth underground operator

## Manual release

For use in case of power failure. This essential safety feature is very easily accessible should it be necessary to release the gates



Manual release

## Neptune Operator

This operator is ideal for domestic use, it is a rear mounted heavy-duty cranked arm for gates up to 3.6M (7.2M double leaf). Ruggedly built to operate in the most difficult conditions. With max 135 degree opening, with 24v transformer and battery backup.



Neptune Operator

## Jupiter Operator

Rack and pinion drive for sliding gates with controller for gates up to 12M (20M double leaf). Heavier models available for heavy duty industrial use, weather resistant and virtually maintenance free.



Jupiter Operator

## Orion traffic barriers

Self-contained operator suitable for continuous operation, with hinged arms up to 4.5M and rigid arms up to 10M. 240v mains powered or with battery backup for up to 4.5M arms.



Car height post with digipad and card reader.



Orion barriers

For technical help call 01233 750393

# Gate & Barrier Automation



Orion barrier with bottom hanging skirt to stop pedestrians ducking underneath the barrier arm and to act as a visual deterrent.

## Access control options



Remote control handsets designed to give maximum security because of the enormous number of combination codes. DTI approved (left)

Multi-channel Radio Receivers (right)



Video Entry System (left)

Audio Entry System and illuminated key pad (right)



Handset for audio entry system with release button (left)

Desk mounted push button controller for gate or barrier (right)



Metal Digikey is a programmable coded system practically burglar-proof (right)

Telecom compatible audio intercom (left)



## Additional safety options

Any gate or barrier that moves automatically is a potential danger to people and vehicles that could unwittingly be in its path. That is why the Jacksons team are committed to providing only the most advanced equipment that has safety features fitted as standard.

Here are some additional devices that can provide even more safety and increase awareness to hazards.



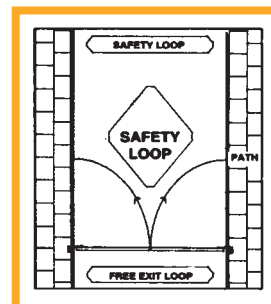
Flashing Light to indicate gate operation



Safety Edge double action incorporating pressure and micro switch



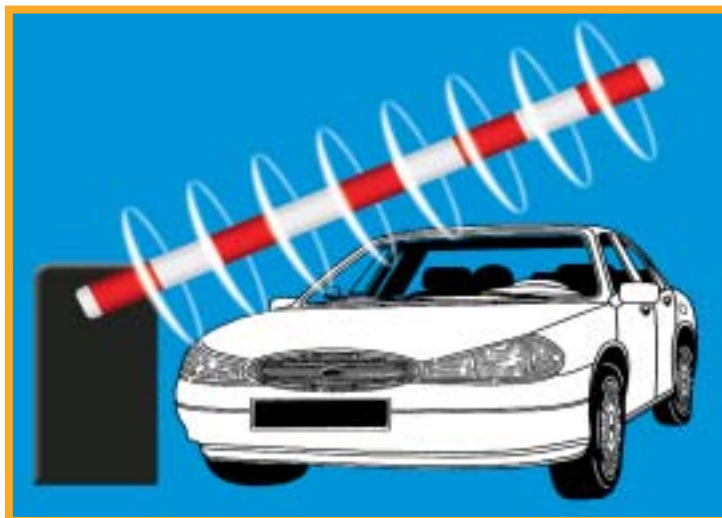
Photocell infra-red safety system for gates



Ground loops for automatic free exit or as a safety device

# SmartGate® A revolution in barrier safety

Without SmartGate this can so easily happen - don't risk further barrier accidents



The device that creates a sensory field around the barrier arm, stops and signals the barrier to reverse.

**Can be fitted to your existing barriers and gates.**

**SmartGate installs in under 60 minutes to most barriers and gates.**

**The cost effective way to prevent accidents and avoid litigation.**

### No contact means no problem

SmartGate is a no contact safety system that alerts the barrier to stop and reverse long before a strike can occur. With SmartGate installed, barrier strikes are a not an issue, damage claims become a bad memory, and unnecessary legal expenses are virtually eliminated.

The SmartGate system creates an "invisible field™" surrounding the barrier arm. The field moves with the arm providing the best possible safety sensing. The SmartGate field not only "sees" vehicles, it also "sees" people, something ground loops can never do. When a vehicle or person is detected your barrier is alerted to stop and reverse, in plenty of time to avoid the arm dropping on to the sensed object. And best of all; SmartGate has no light beams to keep aligned and clean, no photocells or emitters to burn out, and no expensive in-the-ground installation.

### Installation is easy

The SmartGate system can usually be installed in 30 to 60 minutes by anyone familiar with the electronics of parking barriers. Common hand tools and a drill are all that is needed.

### SmartGate is cost effective

At about the same cost of one bent car ariel and scratched car, probably much less than a hospital visit, and definitely less than fighting a lawsuit. SmartGate pays for itself!

### Satisfaction is guaranteed

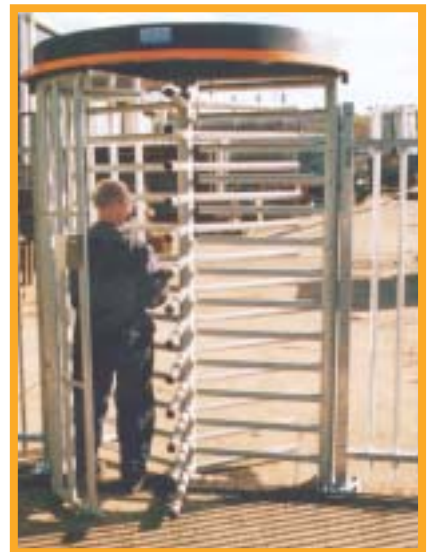
Any SmartGate product that fails to perform satisfactorily may be returned for a full refund within 30 days of the invoice date. All SmartGate units are covered by a limited warranty (details available with each unit) for 90 days after installation. This basic warranty will be extended to one year upon our receipt of the fully completed registration card.



# Sentry® Turnstiles



Sentry Turnstile with adjoining Barbican Fence



Sentry Turnstile

## Innovative access control - in two directions

Sentry Turnstiles provide secure and reliable access control for personnel at both external and internal



Keypad detail

points of entry or exit. The open appearance of the design creates maximum user acceptability whilst retaining the strength necessary to deny unauthorised entry. Ideal for public and commercial premises, these sophisticated units can be fitted with a whole range of up to date

control systems, including keypads, card readers, push buttons, and code locks, all designed to meet the specific requirements of the end user.

## Construction

The Sentry Turnstile consists of a support frame, a barrier frame and a central rotor column. The frames are constructed of welded mild steel RHS sections. The central rotor column is made of stainless or coated steel and is normally supplied with 3 wings. All mild steel RHS sections are hot dip galvanized or galvanized with polyester powder coating.



Warning lights

## No cheating this system

When a signal is given from a card reader or push button the Sentry Turnstile allows one person to pass through within a given time period, adjustable from 2 - 10 seconds. Once the turnstile reaches an angle of 45 degrees it is impossible to go backwards, thus eliminating any possibility of cheating the system.



Manual release

## 'Fail safe' safety feature

If free passage through the turnstile is required for a long period of time this can easily be achieved with a timer. In the event of an emergency or electrical failure, the turnstile will "fail safe" and will allow free exit in both directions.

