



UK Designed
& Manufactured

The Ultimotion **Factory**



FABRICATION

Half of our manufacturing facility is dedicated to fabrication of all our products. Ultimotion manufacture the majority of our own components to ensure the highest quality. To this end, we use the latest CAD/CAM equipment including our new 5m bed water jet cutting machine.



FINISHING

Large items such as sliding gates are finished in house. Our state of the art spray facility has been developed to allow us to produce high quality finishes to rival those seen on cars. The facility is large enough to allow even the longest gates to be accommodated.



AUTOMATION

Our automation department produces all our control panels and wiring looms. Using plc systems and our own in house software we have been able to engineer a high degree of commonality between all our different products, making installation and maintenance a much more intuitive and simple process.



FINAL ASSEMBLY

All products are subject to final assembly, setting up of drive and safety parameters and pre delivery testing. Prior to moving to the despatch area, a thorough final quality review is undertaken on every product.

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WHY CHOOSE ULTIMATION PRODUCTS

All Ultimotion automatic products are 100% rated, to provide reliable operation even in high traffic locations.

We will not compromise on quality and use only the best components rather than the cheapest.

Our design led philosophy results in an attractive, contemporary appearance, which presents the right image for your site entrance.

All barriers, gates and turnstiles are constructed from fully welded heavy duty steel components for maximum rigidity and durability.

Barriers, turnstiles and smaller gates are fully powder coated whilst larger gates are finished in our proprietary epoxy prime and two pack paint system which was developed in conjunction with major paint manufacturers to allow us to finish the gates to an extremely high standard with a lifespan to equal traditional galvanised and painted finishes.

The client is able to choose from any standard RAL colour or a combination of colours at no extra cost for the majority of our products. More specialised finishes may be specified as part of our bespoke products programme.

We can further personalise your products with water jet cut logos and backlighting where specified and this allows your corporate look to extend all the way to your site entrance.

The Ultimation Range of Rising Barriers



MANUALLY OPERATED BARRIERS

The D1500 manually operated barrier is an ideal choice to protect unattended or low traffic sites, with minimal investment.

D1500 barriers are available to suit road widths up to 6m with a standard 76mm diameter boom, and up to 9m with our heavy duty 100mm diameter boom.

As standard, the D1500 comes complete with preset counterweights, an adjustable tip support and expanding anchor bolts.

Installation is quick and simple - the barrier can easily be installed by one person, and is simply bolted down to a suitable concrete base.

Operation is just as simple, the counterweights allow effortless boom movement, and a latch is provided to lock the barrier in either the up or down position with a facility to allow you to fit a padlock.



AUTOMATIC BARRIERS

The D3250 automatic barrier has been the most popular barrier in our range since its introduction due to its smart appearance and ease of set up. The barrier is available to cover carriageways of up to 7m with a plain boom or 5m with a full hi-bar upper and lower skirt.

The D3250 can be fitted with lower skirts or hi-bar skirts to deter pedestrians from bypassing the barrier and LED boom lights combined with STOP signs add to the visibility of the barrier to drivers in all weather conditions.

Fully 100% rated, our D3250 barrier is suited to the most demanding applications with the highest levels of traffic flow.

A complete safety system can be configured, with safety edges to the bottom of plain booms, photocell protection and induction loop vehicle detection combining to ensure that your barriers are fully compliant with the latest safety guidelines.



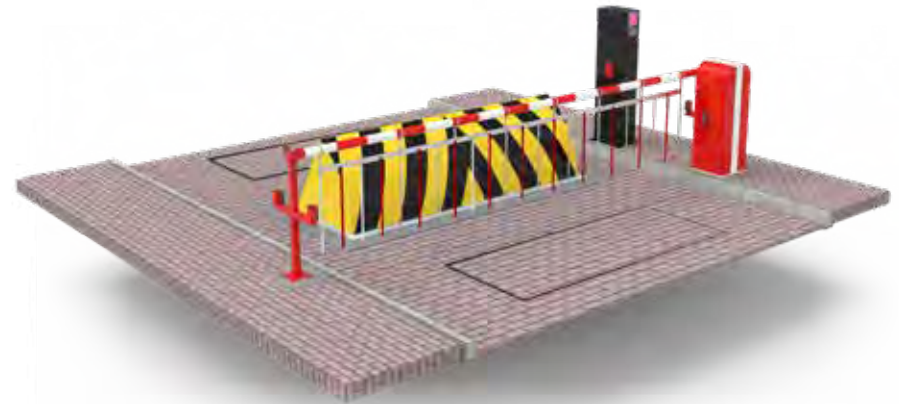
HEAVY DUTY AUTOMATIC BARRIERS

Our newly redesigned D3850 heavy duty barrier extends the capability of its smaller brother the D3250. With a fresh new look designed to reflect the contemporary appearance of the standard barrier, the D3850 can protect road widths of up to 9m.

The redesign utilises an enhanced motor and gearbox assembly which has eliminated the need for counterweights. Obviously this also removes the trapping hazards associated with traditional counterweighted barriers, and reduces the space required for installation.

As with all our barriers, a complete safety system can be configured, with safety edges to the bottom of plain booms, photocell protection and induction loop vehicle detection.

Lower skirts, or hi-bar skirts can be fitted and we offer a complete customisation service with colour combinations and logos available to match your corporate look.



INTERLOCKED SECURITY

The use of barriers with other security measures can increase your site safety as well as enhance security levels.

The example shown above is a perfect case in point. An HGV entrance to a secure compound is fitted with our D8400 road blockers. To prevent vehicles from moving whilst the blocker is still in motion, a barrier with hi-bar upper and lower skirt was sited in front of the blocker and interlocked with it. Therefore, the barrier will only raise when the blocker has fully retracted.

Similarly, two barriers or gates can be interlocked to form a vehicle "airlock" to ensure controlled access into or out of site, and prevent the common problem of tailgating.

All Ultimotion barriers and gates are capable of being interlocked without any additional hardware upgrades.

D1500 Manual Barrier



SPECIFICATION

MAXIMUM SPAN:

Standard Version: 7.0M, Heavy Duty Version: 9.0m

BOOM DIAMETER:

Standard Version: 76mm, Heavy Duty Version: 100mm

HEIGHT:

1m from base plate to centre of boom. Total barrier height: 1150mm

DIMENSIONS:

Stanchion: 250mm square box section, 400 x 400mm Base Plate

FINISH:

Polyester Powder Coated in red and white as standard



TIP REST

An adjustable bolt down boom tip rest is supplied at no additional cost, whilst a folding “pogo” type tip rest is optionally available.



OPTIONAL ITEMS

A lower skirt can be fitted to the barrier at additional cost, and high visibility STOP or NO ENTRY signs may be specified to the boom.



LOCKING

A slide latch is fitted to allow the barrier to be latched in the closed or raised position. A facility to fit a padlock in either position is also provided (padlock not supplied).



FINISH

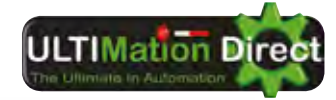
Barriers are powder coated in red and white or black and yellow as standard, however, other standard RAL colours may be specified at no additional cost. Booms are vinyl striped in red and white with a limited choice of other vinyl colours.

BARRIER DESIGN

The stanchion has a clean contemporary appearance with an enclosed bearing for maximum longevity. Counterweights balance the boom and minimise the effort needed to operate the barrier.



D3250 Automatic Barrier



SPECIFICATION

MAXIMUM SPAN:

7.0m with a plain boom, 6.0m with a bottom skirt, 5.0m with a hi-bar upper and lower skirt

BOOM DIAMETER:

76mm

DIMENSIONS:

405mm x 420mm x 1140mm

OPENING/CLOSING TIMES:

1.2 to 6 seconds (adjustable)

DRIVE UNIT:

Inverter driven 3 phase motor and wormed gearbox

POWER SUPPLY:

230VAC, 50Hz 5 Amps

CYCLES:

100% continuous duty rating

FINISH:

Polyester Powder Coated in red and white as standard



PLC

D3250 barriers are fitted with a Schneider PLC unit with a graphic display to simplify commissioning and maintenance. There are many adjustable parameters including speed adjustment, with a slow down feature, and a standard time clock function.



SKIRT

A lower skirt or hi-bar upper and lower version can be fitted to the barrier at additional cost, and high visibility STOP or NO ENTRY signs and LED boom lights may be specified to the boom.



FINISH

Barriers are powder coated in red and white or black and yellow as standard, however, other standard RAL colours may be specified at no additional cost. Booms are vinyl striped in red and white with a limited choice of other vinyl colours.



BARRIER DESIGN

The cabinet has a clean contemporary appearance with fully removable clamshell covers to both sides to allow complete access to all internal components.

LOGO

To enhance your site entrance we are able to produce LED backlit logos into the barrier cabinet. These are designed on CAD and cut into the sheet steel with our water jet cutter.



D3850 Heavy Duty Automatic Barrier

SPECIFICATION

MAXIMUM SPAN

9.0m with a plain boom, 8.0m with a bottom skirt, 6.5m with a hi-bar upper and lower skirt

BOOM DIAMETER

100mm

DIMENSIONS

770mm wide x 520mm deep x 1230mm high

OPENING/CLOSING TIMES

4 to 9 seconds (adjustable)

DRIVE UNIT

Inverter driven 3 phase motor and wormed gearbox

POWER SUPPLY

230VAC, 50Hz 5 Amps

CYCLES

100% continuous duty rating

FINISH

Polyester Powder Coated in red and white as standard



PLC

D3850 barriers are fitted with a Schneider PLC unit with a graphic display to simplify commissioning and maintenance. There are many adjustable parameters including speed adjustment, with a slow down feature, and a standard time clock function.



SKIRT

A lower skirt or hi-bar upper and lower version can be fitted to the barrier at additional cost, and high visibility STOP or NO ENTRY signs and LED boom lights may be specified to the boom.



FINISH

Barriers are powder coated in red and white or black and yellow as standard, however, other standard RAL colours may be specified at no additional cost. Booms are vinyl striped in red and white with a limited choice of other vinyl colours.



BARRIER DESIGN

The cabinet has a clean contemporary appearance with fully removable clamshell covers to both sides to allow complete access to all internal components. Unlike many heavy duty barriers there are no counterweights which removes a potential trapping hazard and reduces the required installation space.



LOGO

To enhance your site entrance we are able to produce LED backlit logos into the barrier cabinet. These are designed on CAD and cut into the sheet steel with our water jet cutter.



The Ultimation Range of Gates



TRACKED SLIDING GATES - PAGE 14

Tracked sliding gates are typically used in locations where limited space in the gate backrun area precludes the use of cantilevered gates. The use of the track eliminates the need for the triangulated cantilever element of our non-tracked gates so saving in the region of 25 to 30% of the overall gate length.

Identical in specification to our cantilevered gates, the D5000 are fully safety compliant as standard and are available with the same wide range of infill materials and colour choices.



CANTILEVER SLIDING GATES - PAGE 16

Our D5600 range of cantilever sliding gates are designed to provide robust and reliable security at busy vehicle entrances. They are manufactured from high strength steel, which provides a more robust product than aluminium and ensures a much longer service life. These gates are custom manufactured to the client's individual requirements and are available in any size up to 6m clear width by 3.5m height.

Both manually operated and automatic versions are available. They have an attractive appearance, which may be enhanced with a choice of infill options ranging from vertical bar, palisade, weldmesh or timber. Automatic gates are powered by a three phase, inverter driven motor/gearbox, and safety systems which fully comply with all current and evolving safety legislation and best practice.



HEAVY DUTY CANTILEVER SLIDING GATES - PAGE 18

D5800 gates are a heavy duty version of our popular D5600 cantilevered automatic gates, and provide the optimum solution for vehicle entrance control at high security locations or facilities which experience a high level of vehicle movements.

Gates are manufactured to suit customer's individual requirements and sizes up to 12m width and 3.5m height are available as fully automated or manually operated types. The infill design of gates can be modified to reflect the needs of individual projects,

Fully compliant safety systems are fitted as standard, including Cat. 3 safety edges and twin photocells to maintain compliance with evolving legislation.



PEDESTRIAN GATES - PAGE 22

Our pedestrian gate is produced in a wide variety of formats, from simple padlockable gates to fully DDA compliant automated pedestrian access points. Typical applications include fire escapes with push to exit hardware, DDA compliant gates along with simple site security gates. A range of infill options exist, from vertical bar, weldmesh, timber cladding or decorative steel designs.

Automated pedestrian gates are fitted with hydraulic rams or underground drives, and are fitted as standard with fully compliant safety systems. Manual gates are usually supplied with slip latches for padlocking, or magnetic locks.



SWING GATES - PAGE 20

Ultimation produce a wide range of security swing gates. Produced from fully welded mild steel, gates are available in either single or double leaf versions, and in any size up to 14m clear width and 3m in height.

Our swing gates can be manufactured with a variety of infill options, from standard vertical bar, solid steel or timber, and decorative steel designs. We are able to design a gate to your exact requirements or match an existing fence or gate type.

All our automatic gates are equipped with Category 3 safety edges and dual Photocells as standard to ensure compliance with all current safety legislation.



BI-FOLDING GATES - PAGE 24

Bi-folding speed-gates provide the perfect solution for security in confined locations, or where speed of opening is important.

The design incorporates two mechanically connected leaves per side, which swing open together thus providing a greater speed of operation than other automated gate systems.

The small swing arc needed by the dual gate leaf system allows these gates to be located in situations which would rule out the installation of conventional gates. They are engineered to allow bolt down fixing to suitable concrete pads, and are compatible with all current access control systems.



BESPOKE GATE PROGRAMME

Our wide range of gate types and infills will suit the vast majority of applications. Sometimes however, there are instances where a more distinctive or unique gate design is required by your client.

To cater for these individual projects, Ultimation have developed our bespoke gate programme. An Ultimation product designer will work with you or your client to translate your design ideas into a one off product. This programme allows you to specify decorative infills, scrolls, timber infills, and bowed gate tops to name but a few options.

Please contact our sales department for further information.

D5000 Gate



SPECIFICATION

MAXIMUM SPAN

14.0M

MAXIMUM HEIGHT

5.0m depending upon span

OPENING/CLOSING TIME

4 seconds per metre (adjustable)

DRIVE UNIT

3 Phase motor and wormed gearbox with rack and pinion final drive

SAFETY

6 x Cat 3 edges, dual height photocells, Emergency Stop button and a flashing beacon/sounder

CYCLES

100% Duty Cycle

POWER SUPPLY

230VAC 50Hz 6 Amp



PLC

Plug and Play!
All Ultimotion gates feature a Schneider PLC control system with inverter, all pre wired and factory tested ready for connection to your mains power supply.



OPTIONAL TOUCH SCREEN

Our state of the art graphic display provides quick, intuitive touch screen programming and fault finding with integrated product manuals and wiring diagrams. We can also customise the display with your logo.

GATE DRIVE

Reliable and almost silent in operation. D5000 gates are powered via an inverter driven motor and gearbox, providing 3 phase controllability with single phase economy.



SAFETY SYSTEMS

Safety first. All our powered gates are equipped with class leading safety systems as standard. For the D5000, this includes 6 x Cat. 3 safety edges, twin photocells at different heights, a cabinet mounted Emergency Stop button and a flashing beacon/sounder. Working with our unique control software this provides the quickest response to a safety event in the industry.



GATE DESIGN

A wide range of gate infills are available, from our standard vertical tube, to weldmesh, palisade and timber cladding. We can even provide sheet steel with your logo cut out by water jet as shown. Also, if you specify vertical bar or sheet infill in a standard RAL reference, we don't charge for non-standard colours!



D5600 Cantilever Sliding Gate



SPECIFICATION

MAXIMUM SPAN:

6.0M

MAXIMUM HEIGHT:

3.5m

OPENING/CLOSING TIME:

5 seconds per metre (adjustable)

DRIVE UNIT:

3 Phase motor and wormed gearbox with rack and pinion final drive

SAFETY:

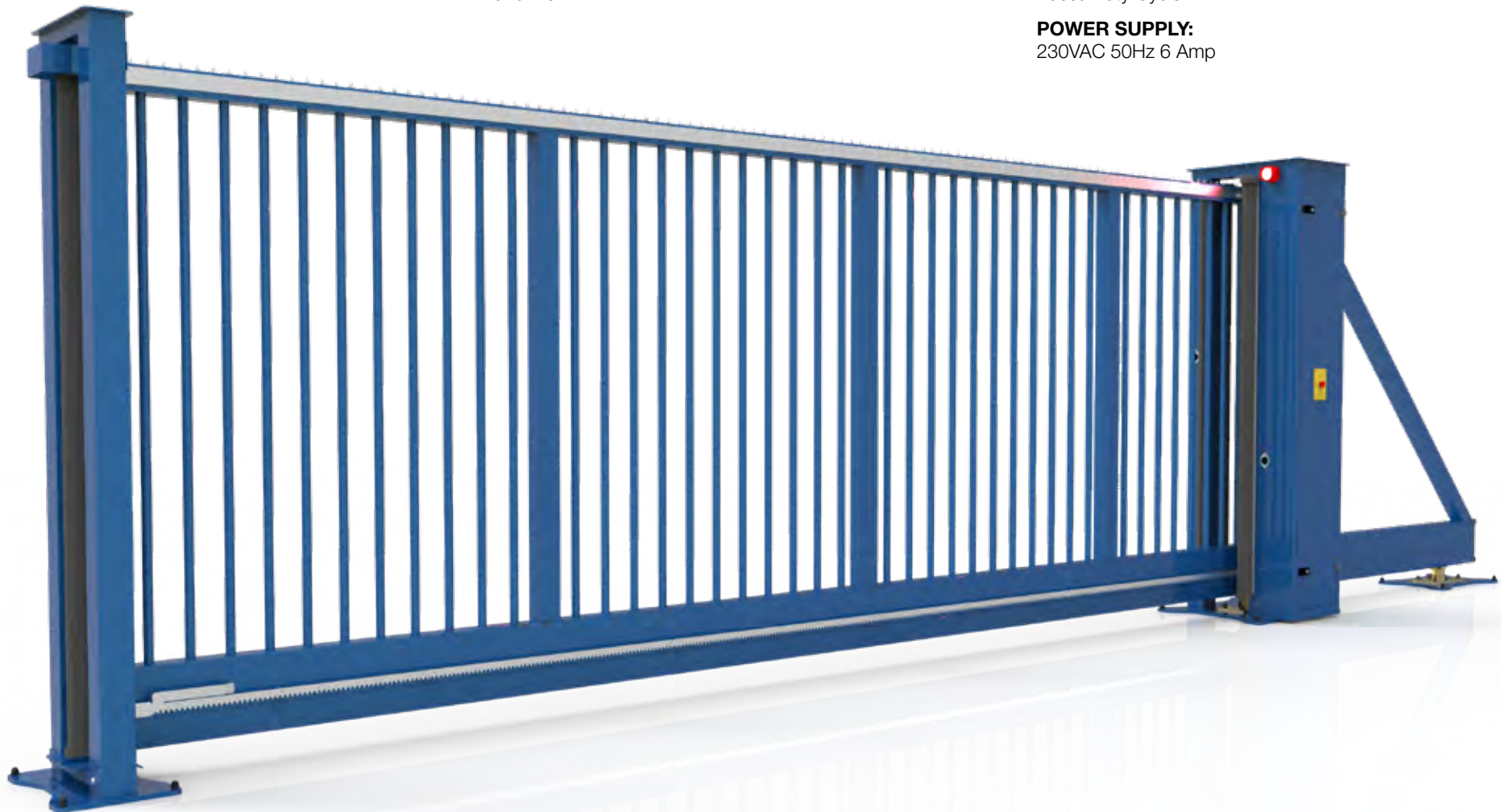
6 x Cat 3 edges, dual height photocells, Emergency Stop button and a flashing beacon/sounder

CYCLES:

100% Duty Cycle

POWER SUPPLY:

230VAC 50Hz 6 Amp



PLC

Plug and Play!
All Ultimotion gates feature a Schneider PLC control system with inverter, all pre wired and factory tested ready for connection to your mains power supply.



OPTIONAL TOUCH SCREEN

Our state of the art graphic display provides quick, intuitive touch screen programming and fault finding with integrated product manuals and wiring diagrams. We can also customise the display with your logo.

GATE DRIVE

Reliable and almost silent in operation. D5600 gates are powered via an inverter driven motor and gearbox, providing 3 phase controllability with single phase economy.



SAFETY SYSTEMS

Safety first. All our powered gates are equipped with class leading safety systems as standard. For the D5600, this includes 6 x Cat. 3 safety edges, twin photocells at different heights, a cabinet mounted Emergency Stop button and a flashing beacon/sounder. Working with our unique control software this provides the quickest response to a safety event in the industry. The D5600 also has flush fitted limit detectors and canted in safety edges at the drive post to minimise trapping hazards. You won't find a safer gate.



GATE DESIGN

Designed for you. A wide range of gate infills are available, from our standard vertical tube, to weldmesh, palisade and timber cladding. We can even provide sheet steel with your logo cut out by water jet as shown. Also, if you specify vertical bar or sheet infill in a standard RAL reference, we don't charge for non-standard colours!



D5800 Cantilever Sliding Gate



SPECIFICATION

MAXIMUM SPAN

13.0M

MAXIMUM HEIGHT

3.5m

OPENING/CLOSING TIME

5 seconds per metre (adjustable)

DRIVE UNIT

3 Phase motor and wormed gearbox with rack and pinion final drive

SAFETY

6 x Cat 3 edges, dual height photocells, Emergency Stop button and a flashing beacon/sounder

CYCLES

100% Duty Cycle

POWER SUPPLY

230VAC 50Hz 6 Amp



PLC

Plug and Play!
All Ultimotion gates feature a Schneider PLC control system with inverter, all pre wired and factory tested ready for connection to your mains power supply.



OPTIONAL TOUCH SCREEN

Our state of the art graphic display provides quick, intuitive touch screen programming and fault finding with integrated product manuals and wiring diagrams. We can also customise the display with your logo.

GATE DRIVE

Reliable and almost silent in operation. D5800 gates are powered via an inverter driven motor and gearbox, providing 3 phase controllability with single phase economy.



SAFETY SYSTEMS

Safety first. All our powered gates are equipped with class leading safety systems as standard. For the D5800, this includes 6 x Cat. 3 safety edges, twin photocells at different heights, a cabinet mounted Emergency Stop button and a flashing beacon/sounder. Working with our unique control software this provides the quickest response to a safety event in the industry. The D5800 also has flush fitted limit detectors and canted in safety edges at the drive post to minimise trapping hazards. You won't find a safer gate.

GATE DESIGN

Designed for you. A wide range of gate infills are available, from our standard vertical tube, to weldmesh, palisade and timber cladding. We can even provide sheet steel with your logo cut out by water jet as shown. Also, if you specify vertical bar or sheet infill in a standard RAL reference, we don't charge for non-standard colours!



D6000 Swing Gates



SPECIFICATION

MAXIMUM SPAN

14M (7m per leaf)

MAXIMUM HEIGHT

5.0m (Depending on span)

CONSTRUCTION

Up to 4.0m leaf - 80 x 80 Box section, Up to 7.0m leaf - 100 x 100 Box section

POSTS

From 120mm to 250mm box section, depending on gate leaf dimensions

OPENING/CLOSING TIME

6 - 20 seconds (Adjustable)

DRIVE CHOICES

D350v Underground drives for leaves up to 5.0m
D380HD Above ground drives for leaves up to 6.0m
Hydraulic rams for leaves up to 4.5m

SAFETY

Cat 3 Edges as standard with Dual Photocells and a flashing beacon/sounder

CYCLES

100 % Duty Cycle

POWER SUPPLY

230vac 50hz 6Amp



HEAVY DUTY BEARING HINGES

High load bearing equipped hinges are fitted which rotate on the pivot point to minimise closing up of the gate leaf to the post, and so enhancing safety.



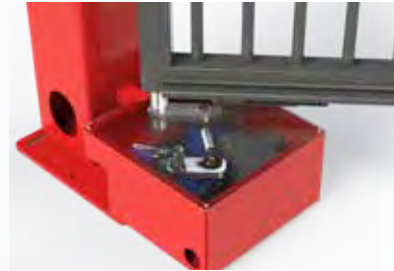
FIXING OPTIONS

Gates can be supplied with dig-in or bolt down posts.



AUTOMATION OPTIONS

A range of drive options is available including hydraulic rams, underground drives and heavy duty above ground drive units.



FINISH

Swing gates are powder coated in any standard RAL colour at no additional charge.

TWIN PHOTOCELLS

Safety first. All our powered gates are equipped with class leading safety systems as standard. For the D6000, this includes 6 x Cat. 3 safety edges, twin photocells at different heights, a cabinet mounted Emergency Stop button and a flashing beacon/sounder. Working with our unique control software this provides the quickest response to a safety event in the industry.



D6100 Swing Gates



SPECIFICATION

MAXIMUM SPAN

2.0M

MAXIMUM HEIGHT

3.5m

CONSTRUCTION

100mm x 100mm box section frame (posts)

50mm x 50mm box section frame (leaf)

POSTS

100mm x 100mm (if separate)

OPENING/CLOSING TIME

10 to 18 seconds depending upon operator type

DRIVES

Hydraulic ram or underground motor and gearbox

SAFETY

Cat 3 Edges as standard with Dual Photocells and a flashing beacon/sounder

CYCLES

High intensity use

POWER SUPPLY

230vac 50hz 6Amp



WRAP AROUND HINGES

Our hinge solution minimises closing up of the gate leaf towards the gate post to mitigate against trapping hazards. As shown our integrated gate closer can also be specified, which is a neater solution than typical gas strut mechanisms.



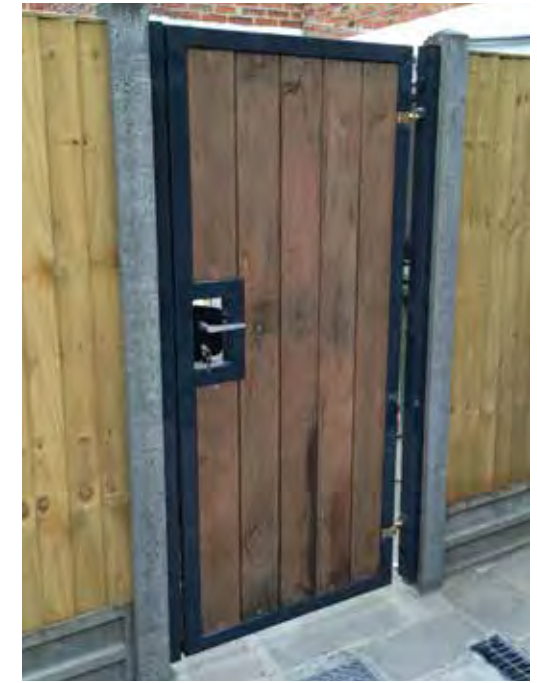
GATE INFILL

Vertical tube is standard although palisade, weldmesh and composite wood infills are also available.



SAFETY

All automated pedestrian gates are fitted with 3 self monitoring safety edges and twin photocells as standard. A flashing beacon with sounder capabilities can also be added.



LOCKS

Manually operated gates are supplied as standard with a slip latch for padlocking, but a magnetic lock and self-closer can also be supplied. Alternatively a range of panic hardware can also be installed.



D6500 Bi-Folding Gate



SPECIFICATION

MAXIMUM SPAN

8.0M

MAXIMUM HEIGHT

3.5m (dependent upon span)

OPENING/CLOSING TIME

105 seconds

DRIVE SYSTEM

3 phase (inverter driven) motor and wormed gearbox mounted at ground level or high level as required.

SAFETY

4 x Cat 8 edges, dual height photocells, Emergency Stop button and a flashing beacon/sounder

POWER SUPPLY

230VAC 50Hz 6 Amp



PLC

Bi-folding gates feature a Schneider PLC control system with inverter, all fitted within the gate post.



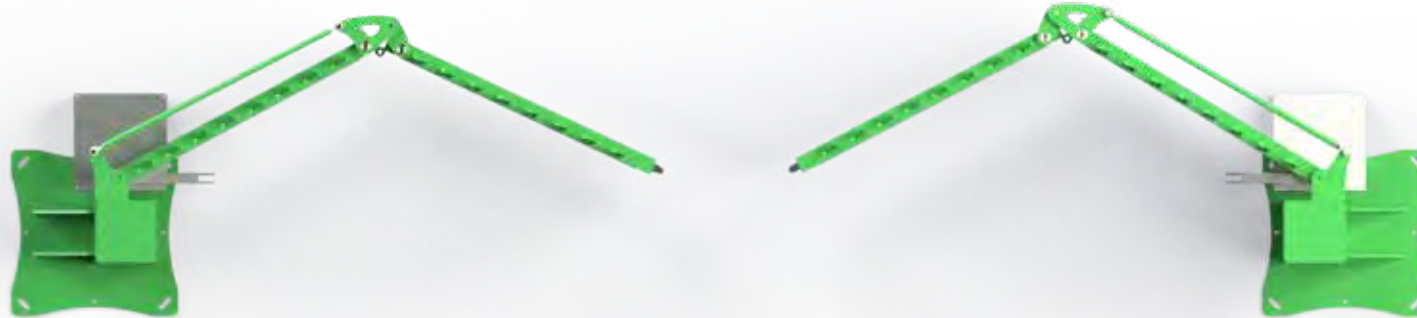
GATE DRIVE

Reliable and almost silent in operation, our 3 phase motor and wormed gearbox drive is usually positioned at ground level, although we are able to locate drives at high level if required.



BI-FOLDING LINKAGE

The linkage allows the smooth folding of both gate leaves, and provides the speed of operation that our bi-folding gates are known for. Leaves retract fully behind the gate post for maximum vehicle clearance.



SAFETY SYSTEMS

All our powered gates are equipped with class leading safety systems as standard. For the D6500, this includes 4 x Cat. 8 safety edges, twin photocells at different heights, a gate post mounted Emergency Stop button and a flashing beacon/sounder. Working with our unique control software this provides the quickest response to a safety event in the industry.



GATE DESIGN

Designed for you. A wide range of gate infills are available, from our standard vertical tube, to weldmesh, palisade and timber cladding. We can even provide sheet steel with your logo cut out by water jet as shown. Also, if you specify vertical bar or sheet infill in a standard RAL reference, we don't charge for non-standard colours!



D6600 Bi-Folding Gate



SPECIFICATION

MAXIMUM SPAN

8.0M

MAXIMUM HEIGHT

3.5m (dependent upon span)

OPENING/CLOSING TIME

105 seconds

GUIDE MECHANISM

Silent rollers within an overhead steel guide channel

DRIVE SYSTEM

3 phase (inverter driven) motor and wormed gearbox mounted at ground level or high level as required.

SAFETY

4 x Cat 3 edges, dual height photocells, Emergency Stop button and a flashing beacon/sounder

POWER SUPPLY

230VAC 50Hz 6 Amp



PLC

Bi-folding gates feature a Schneider PLC control system with inverter, all fitted within the gate post.



GATE DRIVE

Reliable and almost silent in operation, our 3 phase motor and wormed gearbox drive is usually positioned at ground level, although we are able to locate drives at high level if required.



BI-FOLDING GUIDE

The overhead channel and roller mechanism provides an ultra smooth and silent operation of the gate with no bounce of the gate leaves in any weather.



SAFETY SYSTEMS

All our powered gates are equipped with class leading safety systems as standard. For the D6600, this includes 4 x Cat. 3 safety edges, twin photocells at different heights, a gate post mounted Emergency Stop button and a flashing beacon/sounder. Working with our unique control software this provides the quickest response to a safety event in the industry.



GATE DESIGN

Designed for you. A wide range of gate infills are available, from our standard vertical tube, to weldmesh, palisade and timber cladding. We can even provide sheet steel with your logo cut out by water jet as shown. Also, if you specify vertical bar or sheet infill in a standard RAL reference, we don't charge for non-standard colours!



The Ultimation Range of Turnstiles



STANDARD TURNSTILES

Designed to provide effective pedestrian access control to high traffic locations such as construction sites and factory entrances, the D4150 turnstile is both attractive and economically priced.

These turnstiles have a solenoid operated mechanism mounted in the fully enclosed overhead structure, which allows the unit to be configured as bi-directional or single direction operation. The control system allows connection to any access control system or to a fire alarm to provide free rotation in the event of an alarm. The turnstile features a 120° three rotor design providing maximum space for pedestrian transit. Access control reader mounting plates are also provided at no extra cost to both sides of the turnstile. The unit is powder coated for maximum longevity, and is available in a wide range of standard colours. For construction sites and temporary locations, we offer a steel base with fork lift pockets to allow turnstiles to be relocated.



ENHANCED SPECIFICATION

The D4200 is a well specified heavy duty turnstile at a competitive price. Designed for applications ranging from public access such as at theme parks, and stadia, to construction sites and secure area access control.

The turnstile features a 120° three rotor design providing maximum space for pedestrian transit. An overhead canopy is fitted as standard for full weather protection for users. Generously sized access control reader mounting pads are also provided at no extra cost.

The D4200 has been designed to a higher specification than similarly priced turnstiles with a more rigid construction and larger diameter rotors. The unit is powder coated for maximum rigidity, and is available in a wide range of standard colours.

For construction sites and temporary locations, we offer a steel base with fork lift pockets to allow turnstiles to be relocated as required.

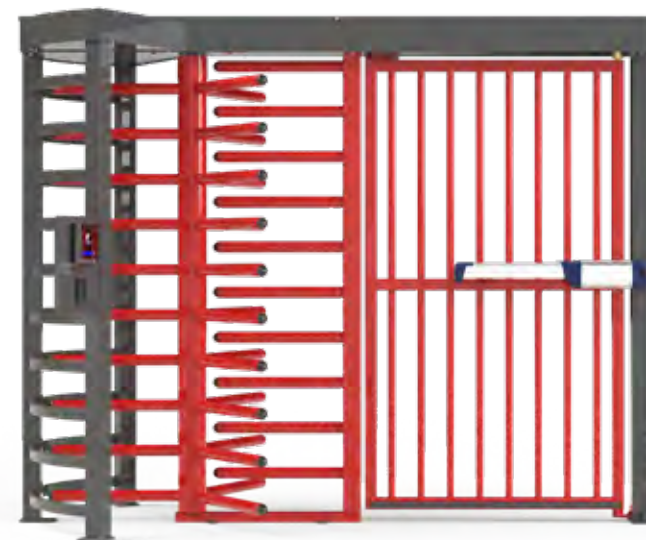


3/4 HEIGHT TURNSTILE

Originally designed for an underground tunnel, the 3/4 height turnstile has become a popular option for applications where limited headroom precludes the use of traditional full height turnstiles, but where the client requires a more secure alternate to half height units. The reduced height allows turnstiles to be assembled in site access cabins, for example, and still allows the head mechanism to be accessed for maintenance purposes.

The fully welded steel construction is designed to provide an extremely robust product for extended use in high traffic applications.

The 3/4 height unit is available with the same colour combinations, logos and access control mounting solutions as our full height units.



SPECIALIST TURNSTILES

As the manufacturer, Ultimotion Direct is able to offer tailored solutions to specific design or site requirements

The above image shows one of our most popular variants, an integrated turnstile and gate combination, which provides a neat and aesthetically pleasing combination entry point.

Other developments of the standard turnstile have included extra wide turnstiles, to allow train drivers through into a secure area whilst carrying holdalls, and fully glazed turnstiles for a prestigious reception area. So if our standard range of products doesn't completely meet your specification, then just let us know what you need and we will work with you to come up with a solution.

D4150 Full Height Turnstile



SPECIFICATION

POWER SUPPLY

230V, 50Hz

CLEAR WALKWAY

600mm width

CLEAR HEAD HEIGHT

2070mm

DIMENSIONS

1520mm x 1360mm x 2230mm

CONTROL PANEL

PLC

FINISH

Primed/powder coated

CONFIGURATION

120° 3 arm rotor



PLC

Housed in a lockable overhead enclosure, the plc controlled bi-directional mechanism allows one passage per activation, and may be locked or set to free movement in either or both directions.



ACCESS CONTROL

Small mounting plates are fitted as standard to enable fitting of most proximity readers. Upgrades may be specified if you need to mount intercoms or larger items.



FINISH

D4150 turnstiles are powder coated in any standard RAL colour at no additional charge and you can even specify the rotor in a contrasting colour to the frame. LED backlit logos can be water jet cut to the overhead enclosure at additional cost.



CONSTRUCTION

The frame and rotor are fully welded heavy duty steel components for maximum strength and longevity, and the rotor pivots on a sealed roller bearing. The rotor arms are 40mm diameter arranged in 120° configuration for easy pedestrian access.



D4200 Full Height Turnstile



SPECIFICATION

POWER SUPPLY

230V, 50Hz

CLEAR WALKWAY

600mm width

CLEAR HEAD HEIGHT

2070mm

DIMENSIONS

1520mm x 1360mm x 2230mm

CONTROL PANEL

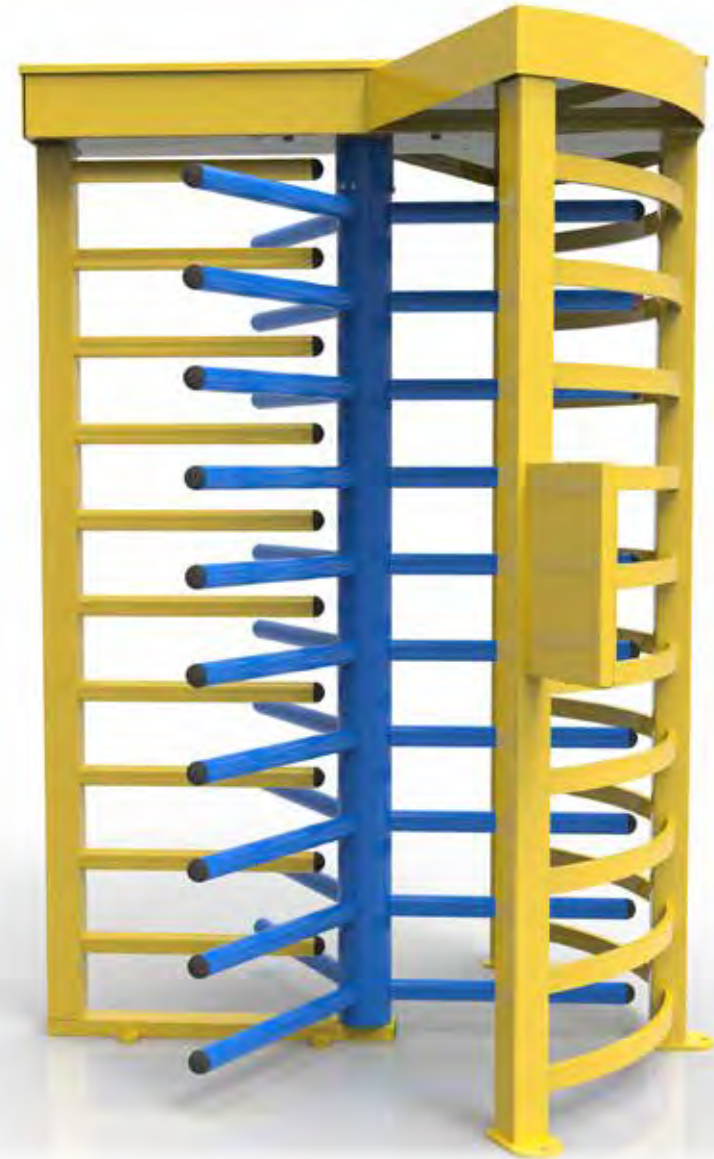
PLC

FINISH

Primed/powder coated

CONFIGURATION

120° 3 arm rotor



PLC

Housed in a lockable overhead enclosure, the plc controlled bi-directional mechanism allows one passage per activation, and may be locked or set to free movement in either or both directions.



ACCESS CONTROL

A large mounting pad is fitted to both the entry and exit sides of the frame to allow you to install any type of access controls. These pads feature removable front plates for full cable management.



DESIGN

Canopy segments are fitted over both entry lanes, and can be fitted with LED downlights if required.



FINISH

D4200 turnstiles are powder coated in any standard RAL colour at no additional charge and you can even specify the rotor in a contrasting colour to the frame. LED backlit logos can be water jet cut to the overhead canopy segments at additional cost.



CONSTRUCTION

The frame and rotor are fully welded heavy duty steel components for maximum strength and longevity, and the rotor pivots on a sealed roller bearing. The 40mm diameter rotor arms are arranged in a 120° design for easy pedestrian access.



D4350 3/4 Height Turnstile



SPECIFICATION

POWER SUPPLY

230V, 50Hz

CLEAR WALKWAY

600mm width

DIMENSIONS

1575mm length x 1445mm width x 1900mm height

CONTROL PANEL

PLC

FINISH

Primed/powder coated



PLC

Housed in a lockable overhead enclosure, the plc controlled bi-directional mechanism allows one passage per activation, and may be locked or set to free movement in either or both directions.



FINISH

D4350 turnstiles are powder coated in any standard RAL colour at no additional charge and you can even specify the rotor in a contrasting colour to the frame. LED backlit logos can be water jet cut to the overhead enclosure at additional cost.



ACCESS CONTROL

Small mounting plates are fitted as standard to enable fitting of most proximity readers. Upgrades may be specified if you need to mount intercoms or larger items.



CONSTRUCTION

The frame and rotor are fully welded heavy duty steel components for maximum strength and longevity, and the rotor pivots on a sealed roller bearing. The rotor arms are 40mm diameter arranged in 120° configuration for easy pedestrian access.



The Ultimation Range of Traffic Control Products



FIXED AND MANUAL HEIGHT RESTRICTORS

D2200 height restrictors offer a low cost solution for applications such as car parks and for height control prior to low headroom road crossings.

They are available in fixed and manually operated swing versions, and can be supplied with appropriate maximum headroom signage. Swing versions are offered in single or double leaf formats, and they can be locked in both the closed and open positions.

D2200 Height Restrictors are constructed from high quality BS EN 10025 S355 and S275 mild steel, and may be finished in a choice of colours, yellow being the most popular.

Available in heights of up to 2.1 metres and a maximum width of 13 metres, height restrictors are simple to install and provide a quick, economical means of protecting vulnerable unmanned or remote sites.



AUTOMATED SLIDING HEIGHT RESTRICTORS

An Ultimation innovation, the D2300 height restrictor combines the benefits of a standard height restrictor with an automatic gate. It was originally designed to provide a solution to a specific client problem, which required free access to cars whilst only allowing higher vehicles to pass when a remote control button is pressed.

Similar in construction to our successful range of automatic cantilever sliding gates, these height restrictors are fitted with fully compliant safety systems, and are almost silent in operation.

The fully welded steel construction and heavy duty catch post ensures the highest level of security, and the D2300 is compatible with any access control system. Gate drive is by three phase motor which operates from a single phase supply via an inverter. This is controlled from a fully programmable plc system to fully controllable operation with slow down features and programmable timing should the client wish to hold the unit open for a set time.



RISING ROAD BLOCKERS

Our hydraulic automatic road blocker is designed for high security vehicle access control. They present the most effective way of preventing unauthorised vehicles from accessing secure sites, and protecting valuable assets within a facility.

Available in a range of widths to suit any road width and in three standard heights: 340mm for the protection of car parks, and locations limited to cars and light vehicles; 500mm for heavy duty applications and protection against goods vehicles; and 800mm to deny access to any road vehicle, and provide maximum visibility to approaching vehicles.

These products manufactured from heavy gauge mild steel, which is fully welded and fitted with treadplate top surfaces. The sides of the blockers are "tanked" with sheet steel. This allows the complete units to be lowered into excavated foundations which can then be backfilled with concrete, thus reducing on site time and installation costs.



RISING HEIGHT RESTRICTORS

In some instances where an automatic height restrictor is required, there is insufficient space for a sliding version. Therefore, we are able to supply a modified D3250 automatic barrier as shown above.

The barrier framework and cabinet is extended to provide the desired headroom under the barrier which offers a simple yet effective means of controlling high vehicles.

This type of height restrictor has become very popular with camping and caravan parks as they provide an added layer of security for the holiday maker whilst preventing unauthorised entry when park staff are not present.

D2200 Height Restrictors



SPECIFICATION

MAXIMUM SPAN

7.0M (single leaf), 12.0M (double leaf)

LOCKING

Padlockable with a low level locking facility

MAXIMUM HEIGHT

3.5m

FINISH

Powder coated



LOW LEVEL SWING BARRIER

In addition to restricting the height of vehicles passing through, the optional integrated swing barrier can be chosen to allow your site to be completely closed to vehicles.



LOW LEVEL LOCKING FACILITY

Conveniently positioned to allow the swinging versions to be operated and locked from ground level.



BOLT DOWN

Posts are provided with bolt down base plates for quick installation. Dig in posts can be specified if required at no additional cost.



MAXIMUM HEIGHT SIGN

A prominent maximum headroom sign can be supplied, and an optional striped aluminium bumper bar can also be fitted for added protection.

LATCH BACK POSTS

Swing versions are available with latch back posts for those times when you need to secure the restrictor in the open position.



D2300 Automatic Height Restrictor



SPECIFICATION

MAXIMUM SPAN

10.0M

MAXIMUM HEIGHT

3.5m depending upon span

OPENING/CLOSING TIME

5 seconds per metre (adjustable)

DRIVE UNIT

3 Phase motor and wormed gearbox with rack and pinion final drive

SAFETY

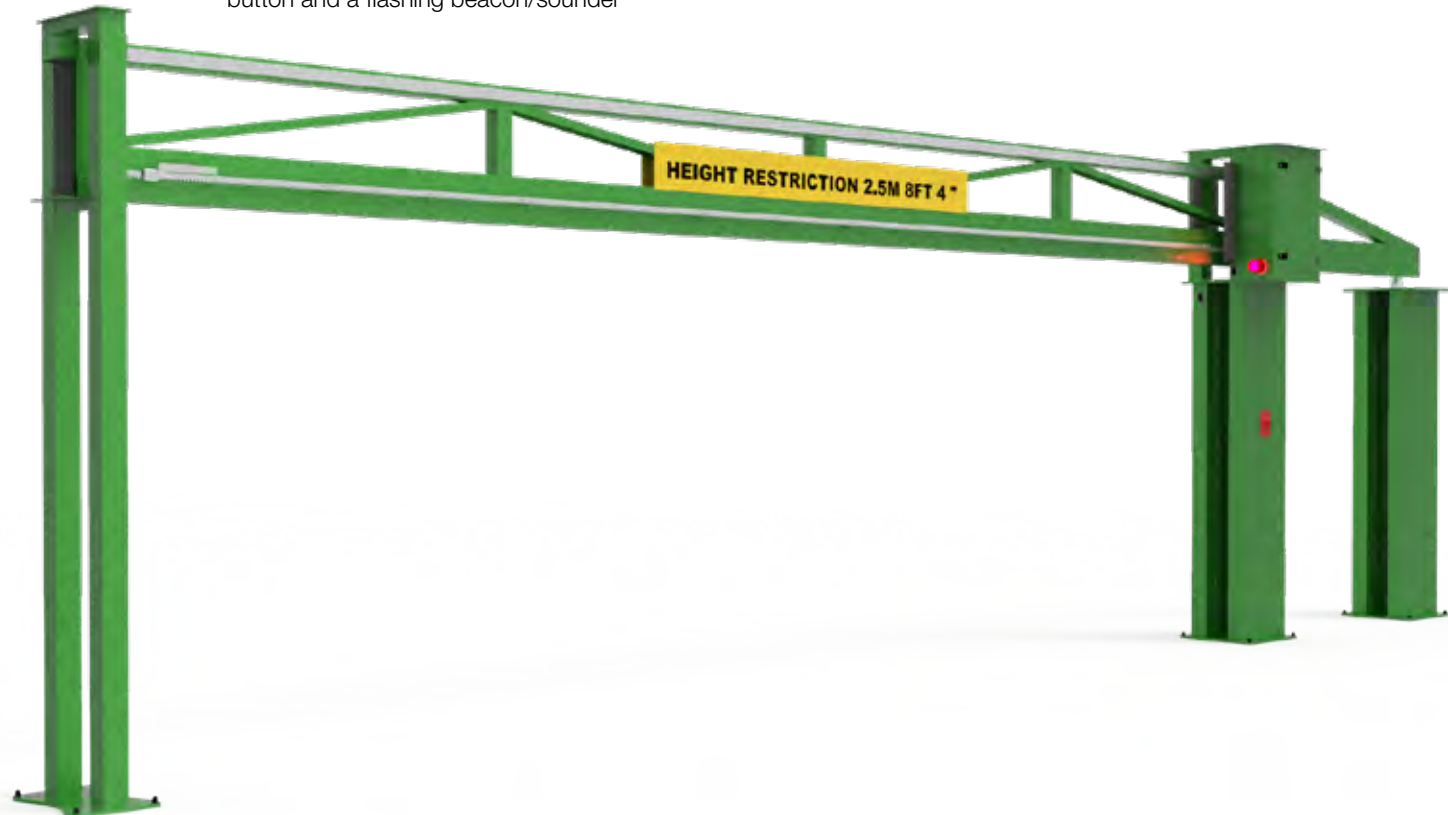
6 x Cat 3 edges, dual height photocells, Emergency Stop button and a flashing beacon/sounder

CYCLES

100% Duty Cycle

POWER SUPPLY

230VAC 50Hz 6 Amp



PLC

Controlled by a Schneider PLC system with inverter, all pre wired and factory tested ready for connection to your mains power supply.



GATE DRIVE

Reliable and almost silent in operation. The height restrictor is powered via an inverter driven motor and gearbox, providing 3 phase controllability with single phase economy.



VISUAL DETERRENT

The lattice structure and large section base rail of the moving leaf present an obvious and highly visible deterrent to unauthorised vehicles.



SAFETY SYSTEMS

This restrictor is equipped with class leading safety systems as standard. This includes 6 x Cat. 3 safety edges, twin photocells at different heights, a cabinet mounted Emergency Stop button and a flashing beacon/sounder. Working with our unique control software this provides the quickest response to a safety event in the industry.



FINISH

The stanchions are powder coated and the sliding leaf is epoxy primed and painted. Any standard RAL colour is available at no additional cost.



D8400 Hydraulic Road Blocker



SPECIFICATION

WIDTHS AVAILABLE

2.0M to 5m in 0.5M increments

RISING ELEMENT HEIGHT

340mm, 500mm and 800mm

MAXIMUM AXLE WEIGHT

12 tonnes

OPERATING TIME

1.5 - 8 seconds

DRIVE UNIT

Remote hydraulic pack with 3 phase motor(inverter driven)

CONTROL SYSTEM

Schneider PLC

CYCLES

100% Duty Rating

POWER SUPPLY

230VAC 50Hz 10 Amp

CONSTRUCTION

All welded steel RHS

COVER PLATES

8mm Durbar (mechanically fixed)

FINISH

Rising Element: Epoxy primed and polyester powder coated,
Lower Frame: Galvanised



PLC

Controlled by a Schneider PLC system with inverter, all pre wired and factory tested ready for connection to your mains power supply.



BLOCKER DRIVE

Hydraulic system with inverter driven three phase pump.



VISUAL DETERRENT

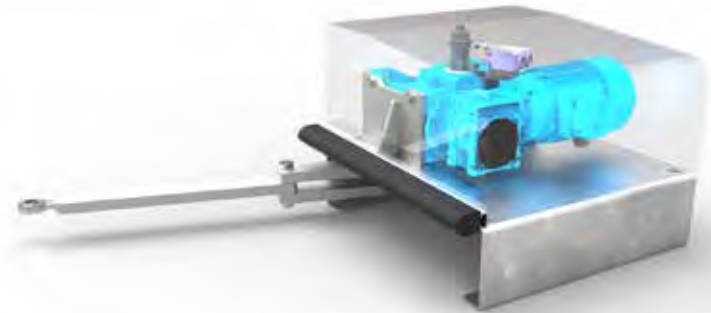
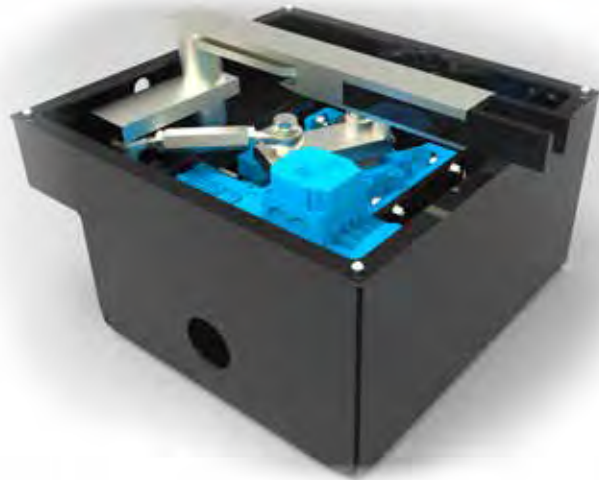
A road blocker is the ultimate barrier to unwanted or unauthorised vehicle entry. It's forbidding looks provide a visual deterrent and the inherent strength will prevent any vehicle borne attack. Blockers are commonly placed behind swing or sliding gates for the ultimate in protection.



FINISH

The rising element is powder coated in high visibility yellow with black chevrons to the attack face. The lower framework is fully hot dip galvanised after fabrication.

The Ultimation Range of Automatic Gate Drives



UNDERGROUND SWING GATE DRIVES

The D350 is a high performance underground gate drive which is suitable for the automation of swing gates up to 6m leaf width and with an overall weight of 800kg. The drive features a locking mechanism, and is available as a single leaf or double leaf kit. The unit is powered by a 3 phase motor, driven by a 240V single phase supply via an inverter for smooth reliable operation. A plc control system is supplied which enables full programming of movement and safety parameters and allows connection to any access control system.

SPECIFICATION

MAX GATE WEIGHT: 800KG

MOTOR SIZE: 0.37kw (3 phase)

LIMITS: Mech Roller type

SPEED: 8 -12 sec (adjustable)

AUX SUPPLY: 24vdc 1 AMP

MAX LEAF WIDTH: 6.0m

CONTROL PANEL: PLC and inverter driven

LOCKING: Mechanical

SLOWDOWN: Yes (adjustable)

VOLTAGE: 230v

HEAVY DUTY SWING GATE DRIVES

A surface mounted drive unit the D380 is our most powerful drive system. Designed to operate gate leaves up to 8m and 1500kg. Supplied in a steel bolt down enclosure with pre-fitted drive arms, the unit is powered by a 3 phase motor, driven by a 240V single phase supply via an inverter for smooth reliable operation. A plc control system is supplied which enables full programming of movement and safety parameters and allows connection to any access control system.

SPECIFICATION

MAX GATE WEIGHT: 1.5 tonne

MOTOR SIZE: 0.37kw (3 phase)

LIMITS: Mech Roller type

SPEED: 8 -12 sec (adjustable)

AUX SUPPLY: 24vdc 1 AMP

MAX LEAF WIDTH: 8.0m

CONTROL PANEL: PLC and inverter driven

LOCKING: Mechanical

SLOWDOWN: Yes (adjustable)

VOLTAGE: 230v



SLIDING GATE DRIVES

The D650 is a self-contained drive system suitable for the automation of tracked and cantilevered sliding gates. Supplied in a steel enclosure, the unit is powered by a 3 phase motor, driven by a 240V single phase supply via an inverter for smooth reliable operation. A plc control system is supplied which enables full programming of movement and safety parameters and allows connection to any access control system.

SPECIFICATION

MAX GATE WEIGHT: 3.5 tonne

MOTOR SIZE: 0.37kw (3 phase)

LIMITS: M30 Proximity

SPEED: 4 secs per metre (adjustable)

AUX SUPPLY: 24vdc 1 AMP

CONTROL PANEL: PLC and inverter driven

LOCKING: Mechanical

SLOWDOWN: Yes (adjustable)

VOLTAGE: 230v



CONTROL AND SAFETY

Our gate drive kits are supplied with a full PLC control system fitted within a lockable steel enclosure. This system features our graphical interface unit which greatly simplifies the setup and configuration of your drive units. See page 54 of this brochure for further details of this system.

To complete your automation project you will need to add a fully compliant safety system to the gate, and again, the PLC system is pre configured to allow you to connect your safety edges, photocells, flashing beacons and induction loops. Ultimotion are able to supply a kit of safety components if needed, and we can produce safety edges to any size, and supply brackets for mounting photocells etc to any gate type.

Please contact our sales or service teams for full details.

The Ultimation Range of Ancillary Products



ACCESS CONTROL READER POSTS

Ultimation offer a wide range of access control mounting posts from standard car and HGV height posts, to custom designed and stainless steel posts.

Our standard D210 post is manufactured from mild steel with a powder coated finish. It has a removable mounting plate of 290mm x 190mm with a head depth of 175mm. The standard height is 1255mm with a dual height or HGV only version of 2500mm overall height.

Posts can be manufactured to suit any size of access control equipment and we are also able to offer a coin acceptor version with lockable hinged panel for access to your coin tray. For sites which require the highest levels of aesthetic appeal we produce stylish brushed stainless steel posts which incorporate traffic lights or access controls into a recessed plate.



CCTV TOWERS

The Ultimation CCTV tower is a rugged and stable platform for any CCTV system. Available up to 6m in height, and in fixed or foldable versions. Foldable towers may be fitted with an optional winch for ease of access for camera maintenance.

The design of these towers is based on an inherently rigid steel section with a minimum cross section. This minimises the effect of wind on the tower and results in the most stable platform for high resolution cameras. Towers are manufactured from fully welded mild steel with a galvanised finish as standard. If required, a painted finish can be applied in any standard RAL colour.

Swan neck mountings are offered and alternate mounting brackets can be designed and manufactured for alternate camera types. Deployment on site is quick and simple, the towers are simply bolted to a suitable concrete base, and folded into the upright position. Cabling for the cameras is fed internally through the column and is accessible via a low level access panel.



BOLLARDS

We produce fixed steel bollards to protect access control points and other vulnerable items.

Bollards can be manufactured in either base plated or dig in designs and for added protection, they can be supplied with loose tops to allow the bollard to be filled with concrete.

They are produced from 3mm or 5mm thick steel and available in round or box section. All bollards are powder coated in any standard RAL colour of choice.

For more prestigious locations, brushed stainless steel versions are available in either 304 or marine grade 316 types.



TRAFFIC LIGHTS

For use with our range of automated access products, these efficient LED traffic lights can also be used in other traffic control applications such as loading bays, weighbridges and ports. The resilient polycarbonate housing is self-coloured in black and is UV and fade resistant, ensuring the product remains maintenance free.

Slot-in polycarbonate hoods prevent interference to visibility from other light sources or adverse weather conditions. Lenses and door screws are both vandal resistant.

Flexible fixing arrangements make installation simple, with a choice of spigot pole top fittings or swivel brackets to fit any surface.

100 mm round spider web lenses provide optimum light diffusion, and LED lighting elements ensure maximum durability and minimum operating cost.

D210 Reader Posts



SPECIFICATION

CONSTRUCTION

Post, 80mm x 80mm x 3mm. Head, 3mm plate, Base Plate, 5mm plate

HEAD SIZE

300mm x 200mm x 175mm

MOUNTING PLATE

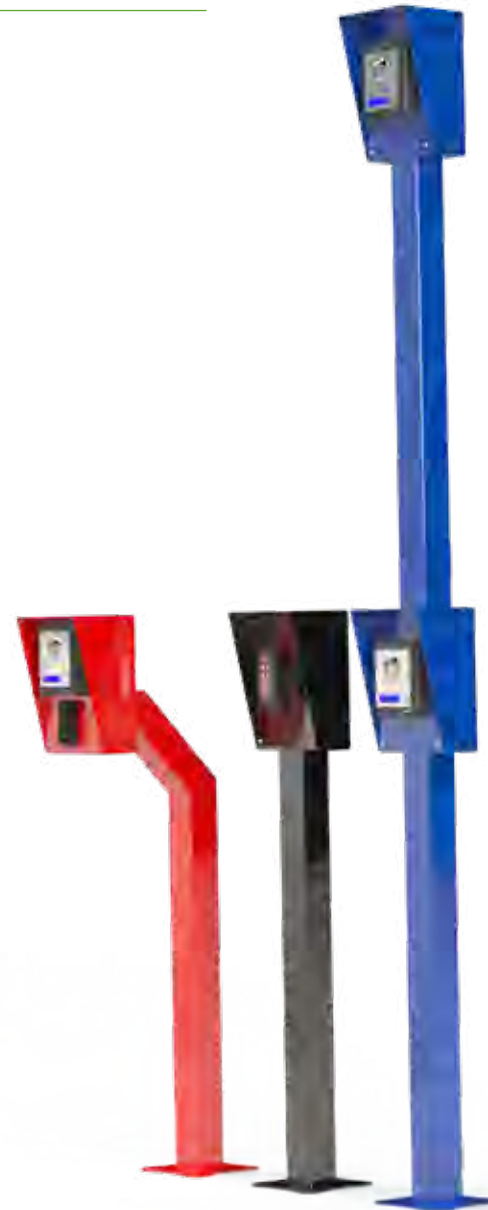
290mm x 190mm

STANDARD HEIGHT

1255mm

DUAL HEIGHT

2500mm



TOKEN ACCEPTOR

In addition to standard readers, we can supply a token acceptor unit with electro-mechanical token/coin mechanism, a coin collection tray and lockable steel door.



CUSTOMISABLE

Where standard heights and configurations do not suit a client's needs, we can design and manufacture custom reader posts. Whether you need a cranked post, or one produced from stainless steel, a specific height or a complete custom design, we are able to match your design requirements.



READER HEAD OPTIONS

Our standard reader heads are available as:

TYPE 1

300mm high by 200mm wide by 175mm deep

TYPE 2

300mm high by 300mm wide by 175mm deep

TYPE 3

400mm high by 350mm wide by 175mm deep



D500 CCTV Towers



SPECIFICATION

CONSTRUCTION

Base Upstand, 100mm x 100mm x 5mm, Upper column, 80mm x 80mm x 3mm

MOUNTING PLATE

480mm x 480mm x 15mm

STANDARD HEIGHTS

Fixed Tower: 2m
Folding Tower: 3m, 4m, 5m, 6m

WINCH

1150kg capacity

FINISH

Galvanised



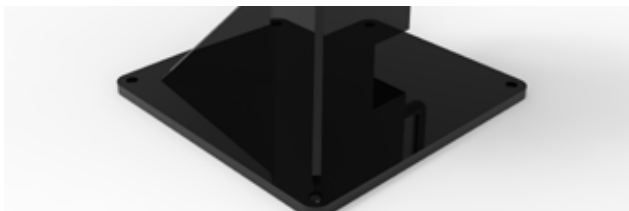
CAMERA MOUNTING

Standard flat plate mountings are provided with the ability to fit custom mountings for any desired camera configuration.



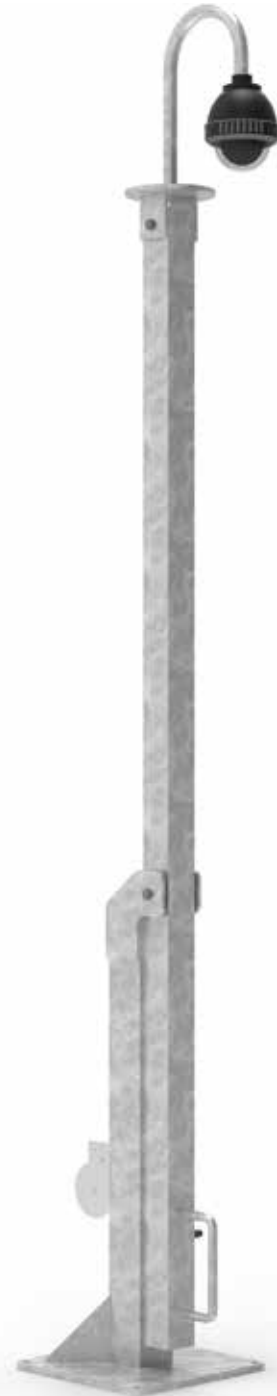
WINCH

The de-mountable winch provides easy access for mounting and maintaining cameras.



BOLT DOWN

All towers are manufactured with a fully welded and braced flange to allow simple bolting down to a suitable concrete foundation. Where required, we are also able to manufacture dig-in root towers.



Bollards

SPECIFICATION

CONSTRUCTION

Fully welded mild steel or 316 grade stainless steel

DIAMETER

Mild steel versions: Round section at 139mm, 168mm or 220mm.
Square section at 140 x 140mm, 180 x 180mm
and 200 x 200mm

DIAMETER

Stainless steel versions: Round section at 168mm diameter
and square section at 160 x 150mm

HEIGHT ABOVE GROUND

500mm, 750mm and 1000mm

DESIGN

Flat welded top or optional 45° slant top

FINISH

Mild Steel: Polyester powder coated in yellow as standard. Stainless steel: Brushed finish.



Traffic Lights

SPECIFICATION

CONSTRUCTION

LEDs held within fully potted plastic casing

DIMENSIONS

Single Light: 100mm diameter array with 24 LEDs. Plastic enclosure: 140mm wide by 145mm high by 34 to 55mm deep.

Dual Lights: 2 x 100mm diameter arrays with 40 LEDs .
Plastic enclosure: 140mm wide by 279mm high by 34 to 55mm deep.

POWER SUPPLY

24V DC

RECOMMENDED MINIMUM VIEWING DISTANCE

+5m

OPERATING TEMPERATURE

-15°C to +40°C

IP RATING

Front assembly – IP68, Rear Cavity – IP40



Ultimation Technology



CONTROL TECHNOLOGY

Ultimation have a policy of continual improvement which allows us to offer state of the art control and safety systems, and keeps us one step ahead of the competition. The PLC software was developed in house by Ultimation engineers to simplify installation and maintenance procedures. Our standard control system for barriers, gates and road blockers provides installers and end users with the ability to simply adjust operational parameters to suit their particular application. Featuring a graphic display and simple iPod type controls, the user can adjust time clocks, timers and even drive speeds within seconds.

If the system develops a fault, the screen glows red to alert the engineer, and the fault history can easily be displayed to allow instant diagnosis. As an example, the system will detect when a safety loop or edge has latched on and record this information. When an engineer accesses the PLC he will be presented with the fault information, therefore saving time and cost at site.

The Schneider programmer ensures that accessing parameters from the graphic display is both intuitive and user friendly. The user can simply scroll through the parameters and turn them on or off as desired. Speeds are set in a similar way to suit site requirements.

The drive is networked to the control system and provides functions from the graphical display to control speeds and slowdowns. This has allowed us to achieve the quickest emergency stop and back-off times in the industry, ensuring that our gates easily pass force tests without compromising their final speeds.

The system also has a built in time-clock function, allowing gates or barriers to be opened and closed to suit site requirements such as shift changes or holidays.

SCREEN DETAIL

D5600 MAIN MENU			
Parameters			
Time Clocks			
Timers			
Drive Settings			
Motor Settings			
Select	Alarm	Close	Open

Parameters			
No Pass Timer OFF			
Safety Reverse ON			
Loop/Photocell Close ON			
Traffic Light OFF			
Master Gate Outputs OFF			
ON	OFF	Alarm	

Gate Timers			
Traffic Light Delay			
Close Delay			
No Pass Delay			
Pedestrian Open			
Pedestrian Close			
Select	Alarm		

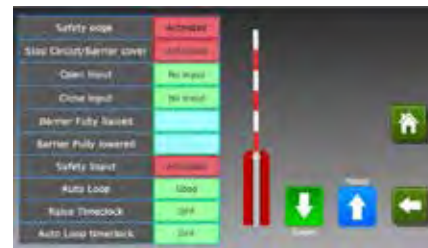
Alarm			
Opening Safety Edge Fault			
Safety Loop Latched 1min			
History			



The home page menu which can be customised to display your company logo.



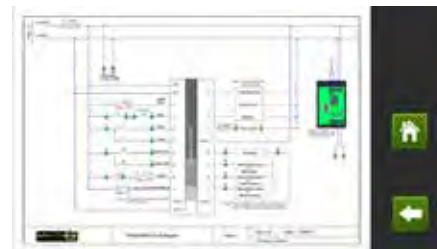
Gate and barrier speeds and slow down settings are on one page for simplicity.



Status page, at a glance confirmation of the status of the barrier/gate and safety systems.



The gate or barrier can be operated from the screen to test the programmed settings.



The unit even stores the O&M manual and wiring diagrams to make your life simpler.



The built in timeclock function is accessed from this page and can be configured in seconds.

Our new optional touch screen display extends the capabilities of our control system and allows you to set up and configure the system in a matter of minutes.

The software which was developed in house by Ultimotion provides all you need to set up and troubleshoot the device, and you are even able to access the O&M manual and circuit diagrams from the screen.

A selection of the many pages available are shown here...

Ultimation Safety



OUR SAFETY PHILOSOPHY

At the heart of every Ultimation design is the overriding concern for the safety of the end user and members of the public. As a bare minimum, Ultimation products are all supplied with safety systems which comply with current safety guidelines, and it is company policy to continually evolve systems which place us ahead of emerging legislation and guidelines. This allows us to offer products which are amongst the safest in the world. The requirements of the Machinery Directive are paramount, and we constantly monitor legislation for changes that may impact our product range. We also take advice from Gatesafe, the DHF and other trade bodies who specialise in safety matters.

BARRIER SAFETY

INDUCTION LOOPS

It is common practice to fit induction loops under the road surface to provide added protection to vehicles. As an example, if a vehicle with a trailer stops part way through the barrier, the photocells may see between the vehicle and trailer, and allow the barrier to operate. The addition of an induction loop will act as a second level of safety, and prevent movement until the vehicle has cleared the barrier.

ADDITIONAL SAFETY FEATURES

To enhance the standard safety system, clients can add secondary safety items such as a flashing beacon with sounder capabilities, LED boom lights and STOP signs.

If a desktop push button system is chosen, this will also have an integrated emergency stop function, and a deadman keyswitch is also available.



SAFETY EDGES

For plain booms, we can fit a protective rubber safety edge to the underside of the boom. This rubber edge is a Category 3 self monitoring system and will cause the boom to immediately stop movement and return to the raised position if it encounters an obstruction whilst closing. Our PLC system allows us to adjust the response time for this safety system to provided almost instantaneous response to a safety issue.

SAFETY PHOTOCELLS

For barriers with a plain boom, we fit a pair of photocells which protect the roadway directly under the boom. The photocells are fitted to the barrier cabinet and to the tip rest. Wired photocells are usually supplied, but we can also supply wireless units if it is not possible to cable across the road.

For barriers with a lower skirt, or hi-bar upper and lower skirt, two pairs of photocells are fitted. These are mounted on stand off brackets either side of the boom at different heights to provide maximum protection.



GATE SAFETY

SAFETY EDGES

Sliding Gates are fitted with 6 safety edges to protect all potential trapping or shearing points. These Category 3 self monitoring edges are fitted to the leading edge of the gate leaf, both sides of the drive stanchion on both the entry and exit sides (4 in total), and one to the rear of the gate leaf.

Swing Gates are fitted with Category 3 self monitoring safety edges as follows. Each gate leaf has an edge to both sides of the lower horizontal rail of the frame, and one edge vertically to the leading edge of the leaf.

If any of these devices encounter an obstruction whilst the gate is in motion the gate will immediately stop and then slowly move in the opposite direction to its original motion to clear the obstacle. The standard PLC system allows us to adjust the response time for this safety system to provide almost instantaneous response to a safety issue.

SAFETY PHOTOCELLS

Sliding Gates feature 2 pairs of photocells, one on either side of the gate leaf. Fitted at different heights to offer maximum protection, they are flush mounted in the gate drive stanchion and the closing post.

Swing Gates have two pairs of photocells at different heights on the outside of the gate posts. In addition, if required we can supply two free standing posts with a pair of photocells which are mounted clear of the swing arc of the gate inside site.

INDUCTION LOOPS

It is common practice to fit induction loops under the road surface to provide added protection to vehicles. As an example, if a vehicle with a trailer stops part way through the gate, the photocells may see between the vehicle and trailer, and allow the gate to operate. The addition of induction loops will act as a second level of safety, and prevent movement until the vehicle has cleared the area. Both sliding and swing gates should have induction loops to both sides of the moving leaf, with double leaf swing gates having a diamond shaped loop in between the swing arc of the leaves.

ADDITIONAL SAFETY FEATURES

Automated gates are all fitted with an emergency stop button to the stanchion or gate post, along with a flashing beacon/sounder. Swing gates feature non reducing gap type hinges so that there is no increased risk of trapping between the posts and leaves.

To enhance the standard safety system, clients can add additional safety items such as LED lights and STOP signs to the gate leaves. If a desktop push button system is chosen, this will also have an integrated emergency stop function, and a deadman keyswitch is also available. Rubber finger guards can also be chosen between the gate posts and leaves.



Ultimation Support



TECHNICAL SUPPORT

From initial product specification all the way to end of service life disposal, Ultimation offers a full technical backup service to all of our customers.

We are happy to survey your site and advise on the correct product and installation requirements at the start of your projects.

We can advise on the practicality of custom designs. Access control systems and integration with any existing systems you may have at site.

When your product is installed, we offer telephone technical assistance throughout the lifespan of your equipment in addition to the other site based services outlined elsewhere on these pages.



CUSTOMER TRAINING

Trade clients who regularly supply Ultimation products to their clients can add value to their services by taking advantage of our free product training.

Held at our factory in Newark, the one day course covers the skills necessary to install our full range of products and correctly configure the PLC control and safety systems. Also included is training on fault finding and repairs/maintenance procedures.

After training, delegates will be tested on their knowledge of our products, and upon passing this test, they will be presented with a certificate of completion and "Qualified Installer" logos for your company vans.

If you are interested in enrolling your engineers on one of our courses, please contact our sales or service departments.



PRODUCT WARRANTIES

Products purchased on a supply only basis will be covered by a 12 month warranty against faults due to defective raw materials or manufacturing processes.

All products supplied and installed by Ultimation Direct Ltd shall be provided with a 12 month warranty against faults due to defective raw materials or manufacturing processes and any installation works carried out by Ultimation Direct Ltd. The warranty will commence on the date of completion of the installation by Ultimation Direct, and will cover the attendance of an engineer to site and replacement materials where a qualifying defect is found.

It is a condition of all warranties that the products shall be subject to a programme of regular preventative maintenance by a qualified engineer throughout the warranty period.



INSTALLATION SUPPORT

There are a number of ways in which Ultimotion can support you in the installation of your new security products.

For those clients who intend to carry out their own installation, we will provide foundation and ducting drawings along with an O&M manual containing full set up instructions. In addition, we are pleased to offer telephone support if you run into an uncertainty at site. If preferred, we can allow for a qualified engineer to attend site to oversee your installation and offer on the spot advice and supervision.

If you would prefer your product to be installed by the manufacturer, we offer a full in house installation service to our trade and end user clients. Our fully trained engineers will take delivery of the equipment and install and configure, including some access control systems. Where needed, we will work with your access control and fire alarm contractors to ensure full integration of the products into your existing or new systems.



MAINTENANCE SUPPORT

It is a requirement of the Machinery Directive that all automated products shall be subject to a regime of regular preventative maintenance services. It is also important to follow such a regime during the warranty period, as failure to correctly maintain your product will invalidate the factory warranty. Over and above that, however, a programme of maintenance ensures that your products operate reliably and continuously throughout their service life, and therefore maximise the benefits of your investment.

We would be pleased to offer a maintenance contract proposal for your products, or offer to train your own engineers in the correct procedures.



SPARES SUPPORT


Ultimotion provide complete spare parts support for all our products. With sufficient stock levels to support our increasing production levels, we are able to offer a same day despatch service on most spare parts.


In addition to Ultimotion products, we are also able to supply compatible spares for most other leading brands.


We also stock a wide range of accessories from full safety upgrade kits, access control components, desktop push buttons and safety signs.


For non account holders, payment may be made by credit card if required.



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