

# ***Product Guide***

**BRAEMAX.com**

***www.braemax.co.uk***

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# ***INTRODUCTION***

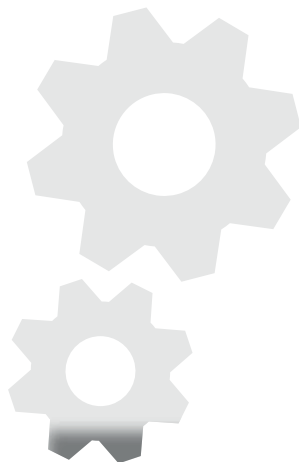
Braemax Limited is a Scottish company specialising in the installation of perimeter security and access control products.

Located in Ayrshire with easy access to all major road and air links. The company operates installation and maintenance service throughout Scotland.

The company is privately owned by the directors who have many years' experience in the perimeter security sector and have a commitment to continue working closely with our customers.

Whilst the company continues to grow, our hands on philosophy enables us to continuously adapt to the changing needs of our customers, and react to industry developments with innovative ideas.

Our aim is to continuously invest in our business and to maintain our technical advantage by constantly sourcing quality and using developing technologies.



## MANUAL BARRIER

BD150

## SPECIFICATION

## MAXIMUM SPAN

Standard: 7.0m

Heavy duty: 9.0m

## BOOM DIAMETER

Standard: 76mm

Heavy duty: 100mm

## FINISH

Polyester powder coated

## DIMENSIONS

250mm square box stanchion

400 x 400 base plate

Pole height: 1m from base

plate to centre of pole.

Total barrier height: 1150mm

## OPTIONAL EXTRAS

Bottom skirt

Stop /no entry signs

STD BARRIER COMES  
COMPLETE WITH -Fixed tip support, anchor shield  
bolts, pole & jifing handle

The BD150 Manual raise arm barrier is a low maintenance, cost effective way of manually controlling access to unauthorised areas.

With its clean modern appearance the BD150 is designed to compliment any environment. The barrier is available in both standard and heavy duty versions and is available with a range of colour and design options.

The standard BD150 will suits entrances up to 7 metres wide, whilst the heavy duty version will span up to 9.0 metres. Both models incorporate counter balance weights which are fine tuned for ease of operation. Dual Barriers are also available with a central locking mechanism to suit wider entrances.

Both standard and heavy duty models are supplied with an aluminium arm, finished with a vinyl wrapping and a fixed tip support. Adjustable or folding "pogo" type tip rests are also available as optional items.

The unique design incorporates a steel lid, which protects the bearings against the elements and also features an integral lockable slide latch.

Each barrier can be tailored to suit your company or site, with a variety of colour combinations and options available.

**Standard colours are:**

Red/White or Black/Yellow



- BUILT IN SLIDE LOCK
- HEAVY DUTY CONSTRUCTION
- EASY TO INSTALL
- SPANS OF UP TO 9 METRES





An ideal barrier for parking and vehicle control into commercial premises, the BD320 automatic barrier has been a best seller since its introduction in 2009. Whilst it has now been joined by the stylish BD325 barrier, the BD320 remains a popular choice with installers and end users alike.

The traditional good looks of the barrier are complemented by the standard red and white or yellow and black colour schemes. Non standard colours are also available to match any corporate image. The cabinet is fully powder coated, which ensures maximum longevity and minimises the maintenance requirements.

The BD320 barrier is operated by an inverter controlled three phase motor which provides 100% continuous cycle rating and smoother barrier movement. Control is by a Schneider PLC unit which enables programming of the operational parameters and compatibility with most access control systems.

Boom lengths of up to 7m are available, with opening times between 1.5 and 6 seconds depending on length.

- 3-PHASE INVERTER DRIVEN MOTOR
- SLOW DOWN FEATURE
- ADJUSTABLE PLC PARAMETERS
- BUILT IN 24HR TIME CLOCK
- 100 % DUTY CYCLE
- SUPER EFFICIENT

***A wide range of options are available including the following:***

- A lower boom skirt as shown in the illustrations may be fitted to prevent pedestrians from passing under the boom, whilst barriers up to 4.5m width can be supplied with top and bottom "hi-bar" skirts which are especially popular at HGV access points.
- Full safety equipment is available, including photocells and induction loops, which can also be utilized as free exit sensors.
- LED traffic lights are available to control approaching traffic, and an over-ride keyswitch can be fitted where the barrier needs to be locked in the open position for a period of time.

### SPECIFICATION

#### MAXIMUM BOOM LENGTH

- 7.0m plain pole
- 6.0m c/w bottom skirt
- 4.5m c/w Hi-bar skirt

#### BOOM DIAMETER

76mm

#### OPENING/CLOSING TIME

1.2-6 seconds

#### DRIVE UNIT

3-phase motor & wormed gearbox (inverter driven)

#### CYCLES

100% continuous duty rating

#### FINISH

Epoxy primed and polyester powder coated

#### POWER SUPPLY

230VAC, 50Hz 5Amp

#### DIMENSIONS

405 x 420 x 1140



## SPECIFICATION

### MAXIMUM BOOM LENGTH

7.0m plain pole  
6.0m c/w bottom skirt  
4.5m c/w Hi-bar skirt

### BOOM DIAMETER

76mm

### OPENING/CLOSING TIME

1.2-6 seconds

### DRIVE UNIT

3-phase motor & wormed gearbox (inverter driven)

### CYCLES

100% continuous duty rating

### FINISH

Epoxy primed and polyester powder coated

### POWER SUPPLY

230VAC, 50Hz 5Amp

### DIMENSIONS

405 x 420 x 1140



Braemax is proud to introduce the sleek new BD325 automatic barrier.

Developed from our popular BD320 barrier, the BD325 features proven reliability with an eye catching fresh new design.

The barrier is finished in a polyester powder coated two tone scheme with a choice of standard RAL colours at no additional cost. For prestigious sites, brushed stainless steel covers are available.

You may wish to add a back-lit LED panel which can feature your company Logo or model designation, illuminated by colour changing LED lights.

The barrier features 2 lockable, fully removable covers to provide complete access to the mechanism and control panel, which simplifies maintenance when compared to conventional barriers.

Operation is by an inverter driven three phase motor which provides 100% Continuous cycle rating. Control is by a Schneider PLC which enables programming of the operation parameters and compatibility with most access control systems.

Boom lengths of up to 7m are available, with opening times between 1.5 and 6 seconds depending on length.

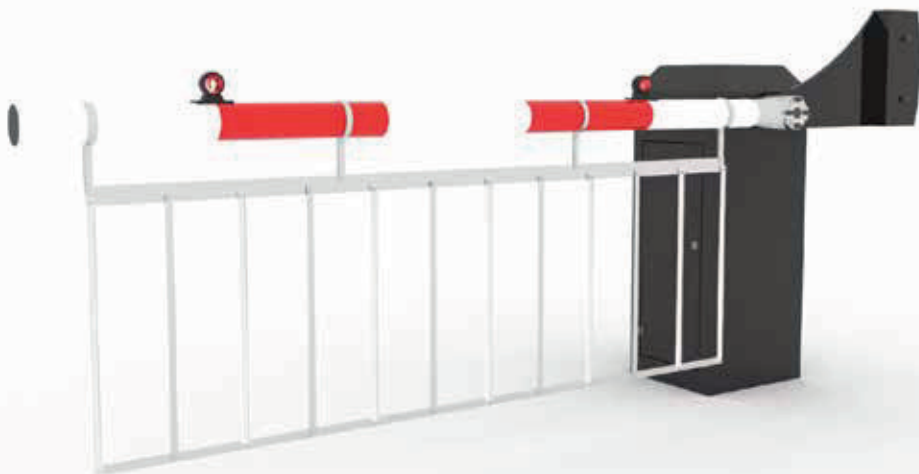
The BD325 automatic barrier: The highest quality barrier produced in the UK With its sleek new looks and competitive prices.



Optional  
backlit  
corporate  
logos



- 3-PHASE INVERTER DRIVEN MOTOR
- SLOW DOWN FEATURE
- ADJUSTABLE PLC PARAMETERS
- BUILT IN 24HR TIME CLOCK
- 100 % DUTY CYCLE
- TWO TONE DESIGN
- LED BACK LIT COVERS (OPTIONAL)
- SUPER EFFICIENT



The BD380 heavy duty barrier is an automatic raise arm barrier designed to offer long term reliability, efficient, smooth operation and maximum durability. It has been designed expressly for high traffic applications where constant vehicle movements are experienced, such as Airports, Ports and HGV yards.

Boom lengths of up to 9m are available with opening times ranging from 4 to 9 seconds depending upon the boom length chosen. A slow down feature is incorporated into the control system which has the twin benefits of minimising wear on the mechanism to extend service life, and reducing operational noise levels.

The barrier incorporates a 3-phase inverter driven motor and gearbox providing smooth, consistent operation with variable speed, all from a single phase supply. This is controlled by a Schneider plc based control system which can be programmed to suit any access control requirements, and also features adjustable parameters such as timing to allow automatic opening during working hours etc.

- 3-PHASE INVERTER DRIVEN MOTOR
- SLOW DOWN FEATURE
- ADJUSTABLE PLC PARAMETERS
- BUILT IN 24HR TIME CLOCK
- 100% DUTY CYCLE
- LED BACK LIT COVERS (OPTIONAL)
- SUPER EFFICIENT

***A wide range of options are available including the following:***

- A lower boom skirt as shown in the illustrations may be fitted to prevent pedestrians from passing under the boom, whilst barriers up to 4.5m width can be supplied with top and bottom "hi-bar" skirts which are especially popular at HGV access points.
- Full safety equipment is available, including photocells and induction loops, which can also be utilized as free exit sensors.
- LED traffic lights are available to control approaching traffic, and an over-ride keyswitch can be fitted where the barrier needs to be locked in the open position for a period of time.

### SPECIFICATION

#### MAXIMUM BOOM LENGTH

- 9.0m plain pole
- 8.0m c/w bottom skirt
- 6.5m c/w Hi-bar skirt

#### BOOM DIAMETER

- 100mm

#### OPENING/CLOSING TIME

- 4.0-9.0 seconds

#### DRIVE UNIT

- 3-phase motor & wormed gearbox (inverter driven)

#### CYCLES

- 100% continuous duty rating

#### FINISH

- Epoxy primed and polyester powder coated

#### POWER SUPPLY

- 230VAC, 50Hz 5Amp

#### DIMENSIONS

- 505 x 505 x 1140





## SPECIFICATION

### MAXIMUM SPAN

14.0m

### MAXIMUM HEIGHT

5.0m (Depending on span)

### OPENING/CLOSING TIME

4 seconds per metre (adjustable)

### DRIVE UNIT

3-phase motor & wormed gearbox - rack and pinion

### SAFETY

5 x Cat 3 edges as standard  
Dual photocells  
Emergency stop  
Flashing beacon/sound

### CYCLES

100% duty cycle

### POWER SUPPLY

230Vac 50hz 6Amp



The BD500 Tracked Sliding Gate from Ultimotion Direct has been designed to offer high reliability solutions for vehicle access points where high levels of security are required at spans of up to 14m.

Both manually operated and fully automatic versions are produced, and all are custom built to your exact dimensional and design requirements.

Whilst similar in design to our highly successful cantilevered sliding gates, BD500 tracked gates have a shorter backrun requirement, and are therefore ideally suited to sites with restricted room.

Gates are engineered to allow bolt down fixing to suitable concrete pads with the track being sunk into a concrete trough before the gate is delivered. This allows gate delivery and installation to be carried out in a matter of hours.

Safety is an integral component of our design philosophy, and the standard safety system fitted to all our automated sliding gates meets or exceeds all current and emerging safety legislation and includes category 3 leading edge safety buffers and twin photocells. In addition, we are able to install induction loops for safety enhancement or free exit as required.

Gates can be manufactured with a range of infill options, from vertical bar, weldmesh, timber cladding or decorative steel options. This allows us to match your existing site or corporate identification.

All our automated gates are fitted with an inverter controlled three phase motor which provides 100% continuous cycle rating and smoother gate movement. Control is by a Schneider PLC unit which enables programming of the operational parameters and compatibility with most access control systems. This system also allows programming of the gates to automatically open during busy periods if required.



- 3-PHASE INVERTER DRIVEN MOTOR
- FULLY SAFETY COMPLIANT
- 100% DUTY CYCLE
- LOW MAINTENANCE
- LOW POWER CONSUMPTION
- PLC WITH GRAPHIC DISPLAY





### SPECIFICATION

**MAXIMUM SPAN**  
6.5m

**MAXIMUM HEIGHT**  
3.5m (Depending on span)

**OPENING/CLOSING TIME**  
4 seconds per metre (adjustable)

**DRIVE UNIT**  
3-phase motor & wormed gearbox - rack and pinion

**SAFETY**  
5 x Cat 3 edges as standard  
Dual photocells  
Emergency stop  
Flashing beacon/sound

**CYCLES**  
100% duty cycle

**POWER SUPPLY**  
230vac 50hz 6Amp

Our BD560 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 specifications and are available in any size up to 6.5m 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. We are also able to fit finials or anti-climb topping to the gates as required.

Automatic gates are powered by a three phase, inverter driven motor/gearbox. This ensures smooth operation with variable speed functions. All automated gates are fitted with safety systems which fully comply with all current and evolving safety legislation and best practice. Standard safety features include Category 3 touch sensitive buffers and

dual photocells. In addition, we offer in ground safety induction loops and flashing visual warning beacons.

Gates are controlled by a state of the art Schneider PLC unit, which can be programmed to customer requirements such as automatic opening during working hours or to allow free exit using an induction loop. Any access control system can be supported, and Ultimotion can supply a wide range of access control equipment from stand-alone keypads to fully networked systems.



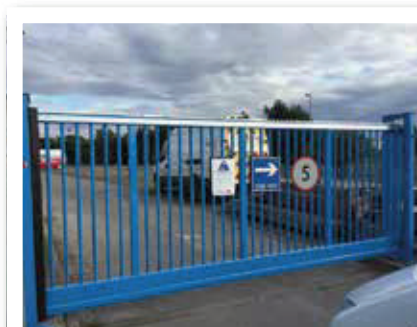
Flush  
mounted  
photocells



Stanchion  
mounted  
Emergency  
Stop button



Low energy  
inverter drive  
using single phase  
230V supply



- HEAVY DUTY ROLLER SYSTEM
- 3-PHASE INVERTER DRIVEN MOTOR
- FULLY SAFETY COMPLIANT
- 100% DUTY CYCLE
- LOW MAINTENANCE
- LOW POWER CONSUMPTION

## SPECIFICATION

### MAXIMUM SPAN

12.0m

### MAXIMUM HEIGHT

3.5m (Depending on span)

### OPENING/CLOSING TIME

5 seconds per metre (adjustable)

### DRIVE UNIT

3-phase motor & wormed gearbox - rack and pinion

### SAFETY

5 x Cat 3 edges as standard  
Dual photocells

### CYCLES

100% duty cycle

### POWER SUPPLY

230Vac 50hz 6Amp



BD580 gates are a heavy duty version of our popular BD560 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, and decorative or timber clad designs can be incorporated where the standard vertical bar infill is not required.

Automated versions of the BD580 gates are powered by an inverter driven, 3 phase motor with rack and pinion final drive. This provides smooth operation and variable speed functions on the sliding gate. Fully compliant safety systems are fitted as standard, including Cat. 3 safety edges and twin photocells. Our safety systems are continually updated to maintain compliance with evolving legislation.

As with the BD560 range, these gates are controlled by a state of the art Schneider plc unit, which can be programmed to customer requirements such as automatic opening during working hours or to allow free exit using an induction loop.

Any access control system can be supported, and Ultimation can supply a wide range of access control equipment from stand-alone keypads to fully networked systems.



- SUPER SILENT ROLLERS
- 3-PHASE INVERTER DRIVEN MOTOR
- FULLY SAFETY COMPLIANT
- 100% DUTY CYCLE
- LOW MAINTENANCE
- PLC CONTROLLER WITH GRAPHIC DISPLAY



### 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)

#### DRIVES

D350v underground for  
leaves up to 3.5m

D380hd above ground  
for leaves up to 7.0m

#### SAFETY

Cat 3 Edges as standard  
and dual photocells

#### CYCLES

100% duty cycle

#### POWER SUPPLY

230vac 50hz 6Amp

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.

Manually operated gates are fitted with drop bolts and slip latch locking facilities as standard. Alternate locking systems may be specified, including fire escape or DDA compliant access systems.

Automatic gates are fitted with Ultimation underground operators or our BD380HD

above ground operators depending on the size and specification of the gates.

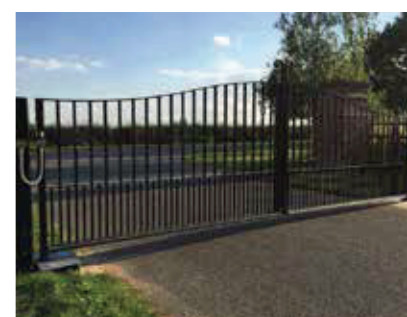
All our automatic gates are equipped with Category 3 safety edges and dual Photocells as standard to ensure compliance with all current safety legislation. For smaller, light duty gates, hydraulic rams can also be fitted.

Gates are compatible with all access control systems and are fully factory tested to ensure minimum installation time, and maximum reliability.



*The D380hd, one of the smoothest, most reliable gate drives available!*

- **HEAVY DUTY CONSTRUCTION**
- **WRAP AROUND HINGES**
- **100% DUTY CYCLE**
- **FULLY SAFETY COMPLIANT**
- **EASY TO INSTALL**



## SPECIFICATION

### AUTOMATED

#### MAXIMUM SPAN

2.0m

#### MAXIMUM HEIGHT

3.5m

#### OPENING/CLOSING TIME

10 seconds

#### DRIVE UNIT

230v hydraulic underground motor / ram

#### SAFETY

2 x Cat 3 edges as standard  
Dual photocells as standard

#### POWER SUPPLY

230vac 50hz 6Amp

### MANUAL/SEMI AUTO

#### MAXIMUM SPAN

2.0m

#### MAXIMUM HEIGHT

3.5m

#### MANUAL LOCKING

Locinox lock/slide lock

#### SEMI AUTO LOCKING

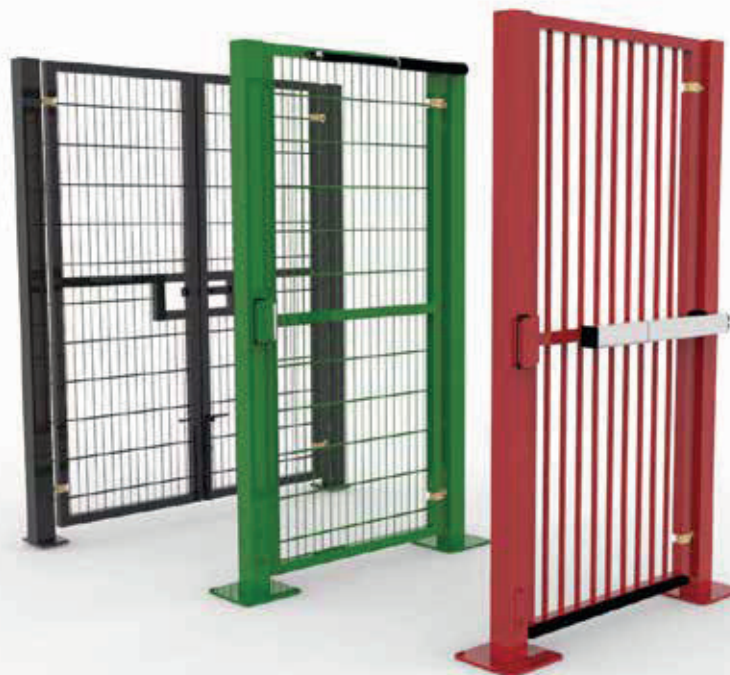
ES400kg Maglock

#### HINGES

Wrap around

#### FINISH

Epoxy primed & powder coated



The BD610 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 escape gates with push to exit panic hardware, DDA compliant gates for ease of access for wheelchair users and baby buggies along with simple site security gates and factory entrances.

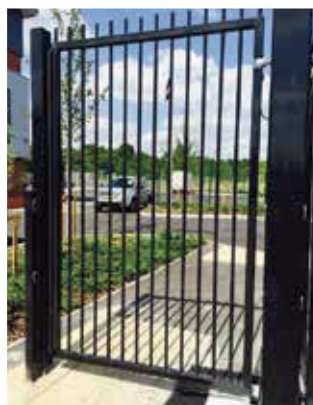
Our gates are available in both single or double leaf types, and with dig in or bolt down posts. A range of infill options exist, from vertical bar, weldmesh, timber cladding or decorative steel designs. This allows us to match your existing site or corporate identification.

The pedestrian gate frames are constructed from mild steel with fully welded joints and tamper resistant hinges. They are offered with an oxy-primed and

epoxy paint system which is available in any RAL colour. Where required they are also available with a galvanised finish.

As with our larger vehicle access gates, pedestrian gates can be fitted with any type of access control hardware either stand alone or fully networked into an existing system.

Automated pedestrian gates are fitted with hydraulic rams or underground drives, and are fitted as standard with full safety systems, including leading edge buffers to comply with all current and emerging safety legislation. Manual gates are usually supplied with slip latches for padlocking, or for access controlled gates, magnetic locks with selfclosers are usually specified.







The new range of bi-folding speed-gates from Ultimation Direct provide the perfect solution for security in confined locations, or where speed of opening is important. This increased speed also ensures that site entrances are open for the minimum amount of time possible to reduce tailgating.

Commonly chosen for applications such as multi-storey car parks, prison entrances and corporate access roads, they provide an aesthetically pleasing, high security entrance control solution.

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. They are fitted with our reliable heavy duty drive systems which are almost silent in operation and have an impeccable service record with maximum longevity in the most demanding environments.

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. Designed and manufactured to out-perform existing systems, our bi-folding gates set the new standard for ease of installation and reliability of operation. Gates are engineered to allow bolt down fixing to suitable concrete pads, and are compatible with all current access control systems.

Gate posts are manufactured from 300mm x 300mm steel box section with a 10mm thickness. These large posts ensure that the gate leaves do not suffer from bouncing in operation, a condition which is a feature of other less well engineered designs.

Gate safety is an integral component of our design philosophy, and the standard safety system fitted to all our bi-folding gates includes both touch sensitive buffers and photocells. This meets or exceeds all current and emerging safety legislation.

### SPECIFICATION

**MAXIMUM SPAN**  
8.0m

**MAXIMUM HEIGHT**  
3.5m (depending on span)

**OPENING/CLOSING TIME**  
10 seconds

**DRIVE UNIT OPTION 1**  
230v Hydraulic  
underground motor

**DRIVE UNIT OPTION 2**  
3-phase motor & wormed  
gearbox - (inverter driven)

**SAFETY**  
4 x Cat 3 edges as standard  
Dual photocells as standard

**POWER SUPPLY**  
230vac 50hz 6Amp



## SPECIFICATION

### CONSTRUCTION

All welded steel RHS

### COVER PLATES

8mm 'Durbar plates'

### DRIVE

Remote hydraulic pack

### MOTOR

3-phase motor (inverter driven)

### CONTROL SYSTEM

Schneider PLC

### CYCLES

100% continuous duty rating

### OPERATING TIME

1.5-8 seconds

### SIZES

2-5m Single kerbs

### LIFTING HEIGHTS

340-800mm

### MAX AXLE WEIGHT

12 Tonnes

### FINISH

Epoxy primed and polyester powder coated top.  
Galvanised bottom frame.

### POWER SUPPLY

230VAC, 50Hz 10Amp



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, they are produced in three standard heights:

- **340mm** - suitable for the protection of car parks and locations limited to cars and light vehicles;
- **500mm** - for heavy duty applications and protection against goods vehicles;
- **800mm** - perfect for denying access to any road vehicle and providing maximum visibility to approaching vehicles.

The Ultimotion BD840 automatic road blocker is manufactured from heavy gauge mild steel, which is fully welded and fitted with treadplate top surfaces, rated to take all road vehicle axle weights.

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. This is a simpler method than most comparable blockers and greatly reduces onsite time, therefore reducing installation costs.

- **3-PHASE INVERTER DRIVEN PUMP**
- **STATE OF THE ART PLC WITH GRAPHIC DISPLAY**
- **MANUFACTURED FOR EASY INSTALLATION**
- **100% DUTY CYCLE**
- **CAN BE DOUBLED FOR EXTRA WIDE ROADS**



Kerb interlocked with Our D3250 Barrier



LED traffic lights available



Dual Kerb Controls





Traffic flow plates provide a simple and effective means of providing and enforcing a one-way flow of traffic in applications ranging from car parks, vehicle yards, retail outlets and military installations.

They are available in two formats; surface mounted versions may be simply bolted down to a suitable road surface (concrete recommended), whilst sunken versions are concreted in flush with the road surface. Both versions may be specified as car/van only or uprated to

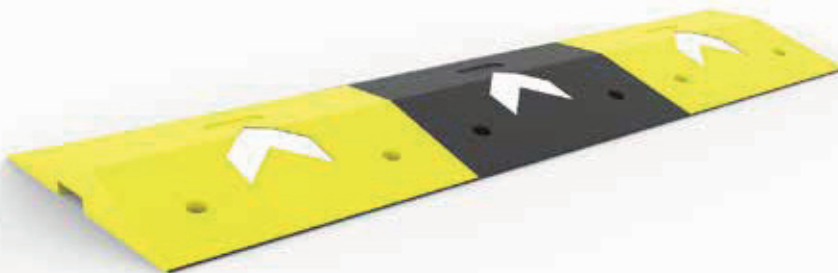
suit all vehicles including HGVs. High profile HGV only versions can also be supplied for goods vehicle yards etc.

Traffic flow plates are simple to install and require no power. Rubber buffers are fitted to surface mounted versions which reduces operational noise.

Traffic speed must be regulated to 5mph on the approach to these plates and our BD75 speed ramp is an ideal product to accomplish this.



# BD75



The BD75 speed ramp effectively enforces speed reduction measures at vehicle access points.

They are manufactured from recycled PVC, and are durable and maintenance free. Ramps may be used independently or fitted before other safety measures such as road blockers and barriers to provide drivers with advance warning.

BD75 speed ramps are available in 3 heights to enforce different speed limits as follows:

- 30mm high version reduces vehicle speeds to 20 to 30 mph
- 50mm high model reduces speeds to 10 to 20 mph
- 75mm high units to reduce speed to 5 to 10 mph

The units are simply bolted down to a suitable road surface (concrete recommended), and can be arranged to protect roads or entrances of any width. Matching end caps are also available.

## FULL HEIGHT TURNSTILE

**BD415****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



The BD415 full height turnstile has proved to be a very popular addition to our product range.

Designed to provide effective pedestrian access control to high traffic locations such as construction sites and factory entrances, the BD415 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 as required.

- **ROTOLOK ROTATION LOCKING WITH ANTI-TRAP**
- **PLC CONTROLLED**
- **IDEAL FOR CONSTRUCTION SITES**
- **CAN HANDLE HIGH VOLUMES OF TRAFFIC**
- **VERY LOW MAINTENANCE**
- **AVAILABLE IN 3/4 HEIGHT AND DOUBLE**



Available  
as a Double  
Turnstile





The BD420 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 BD420 has been designed to a higher specification than similarly priced turnstiles with a more rigid construction and larger diameter rotor arms. 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.

### 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



LED Down  
Lights  
available



Steel  
Pallets  
available



- **ROTOLOK ROTATION LOCKING WITH ANTI-TRAP**
- **PLC CONTROLLED**
- **CANOPY AS STANDARD**
- **CAN HANDLE HIGH VOLUMES OF TRAFFIC**
- **PRESSED PANEL FOR ACCESS TO EQUIPMENT**
- **VERY LOW MAINTENANCE**
- **AVAILABLE AS A DOUBLE TURNSTILE**



## SPECIFICATION

### SPANS

7.0m Single leaf  
12.0m Double leaf

### HEIGHTS

3.5m

### FINISH

Epoxy primed and  
powder coated



BD220 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.

BD220 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 2.1m and a maximum width of 13m, height restrictors are simple to install and provide a quick, economical means of protecting vulnerable unmanned or remote sites.



- LOW COST SOLUTION
- EASY & QUICK INSTALLATION
- PERFECT FOR UNMANNED SITES
- VIRTUALLY MAINTENANCE FREE



An Ultimate innovation, the BD230 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.

The gate drive is operated by a three phase motor which operates from a single phase supply via an inverter. This is controlled from a fully programmable plc system, with slow down features and programmable timing should the client wish to hold the unit open for a set time.

### SPECIFICATION

**MAXIMUM SPAN**  
10.0m

**MAXIMUM HEIGHT**  
3.5m (depending on span)

**OPENING/CLOSING TIME**  
5 seconds per metre (adjustable)

**DRIVE UNIT**  
3-phase motor & wormed gearbox - rack and pinion

**SAFETY**  
5 x Cat 3 edges as std  
Dual photocells

**CYCLES**  
100% duty cycle

**POWER SUPPLY**  
230vac 50hz 6Amp

- SUPER SILENT ROLLERS
- 3-PHASE INVERTER DRIVEN MOTOR
- FULLY SAFETY COMPLIANT
- 100% DUTY CYCLE
- LOW MAINTENANCE
- PLC CONTROLLER WITH GRAPHIC DISPLAY





## SPECIFICATION

### CONSTRUCTION

Post - 80 x 80 x 3  
Head - 3mm plate  
Base plate - 5mm plate

### HEAD SIZE

300 x 200 x 175

### MOUNTING PLATE

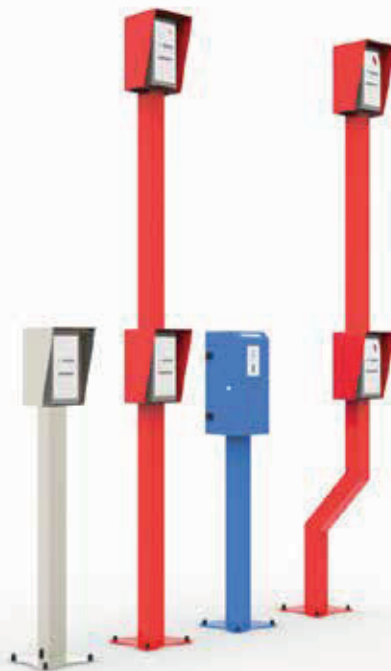
290 x 190

### STANDARD HEIGHT

1255mm

### DUAL HEIGHT

2500mm



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 BD210 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.

- **HEAVY DUTY CONSTRUCTION**
- **EASY TO INSTALL**
- **AVAILABLE IN STAINLESS STEEL**
- **BESPOKE HEAD SIZES AVAILABLE**





## **STAINLESS STEEL POSTS**



Braemax offer stainless steel posts for mounting of access control readers and intercoms or to house traffic lights. These can be designed and produced to any design, and are available in standard or marine grade stainless steel.

## **MANUAL BOLLARDS**



We supply fixed steel bollards to protect access control points and other vulnerable items. They are produced from 3mm or 5mm thick steel and available in round or box section. They are supplied with a powder coated finish in any colour of choice.

## **LED TRAFFIC LIGHTS**



For use with 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.

Braemax offers a huge range of spares for both our own products and for most other leading brands. We are able to offer a wide range of parts from gate and barrier spares, full safety upgrade kits, access control components, desktop push buttons and safety signs. Stock components can be dispatched on a same day basis, and payment may be made by credit card if required.

Please contact our spares department with your requirements and we will be pleased to help you.

## ***GATE & BARRIER PARTS***

Pole arm adapters and booms. Replacement control panels, lower skirt components, bearings and limit switches. Our manufacturing facilities can customise components to fit other makes or replace obsolete components.



## ***PHOTOCELLS & LOOP DETECTORS***

Wired or wireless photocell kits, and flush mounted photocells. Single and dual channel loop detectors with LED screen based intelligent adjustment and induction loop cable.



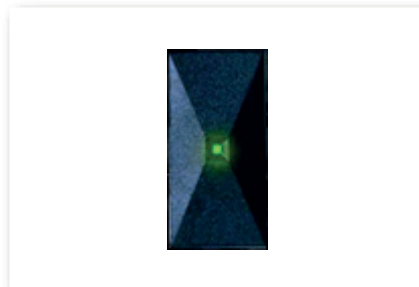
## ***CATEGORY 3 SAFETY EDGES***

Full self-monitoring safety edges, custom built to your required dimensions and with profiles from 12mm to 105mm, are available at extremely competitive prices. Edges can be assembled and shipped to you the same day.



## ***ACCESS CONTROL***

Stand alone or fully networked access kits, proximity readers, intercoms, GSM access devices and replacement control boards.



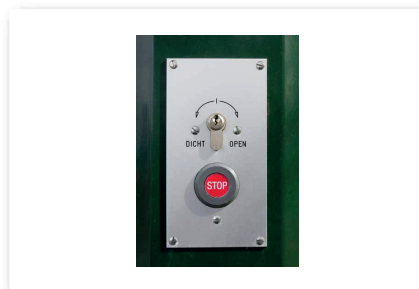
## ***RADIO CONTROL***

Remote control receivers and a range of key-fob type transmitters in 2 or 4 button format, in plastic or stylish stainless steel versions and at very competitive prices. We offer remote control components from many leading manufacturers.



## ***PUSH BUTTONS***

Emergency Stop mushroom buttons, exterior grade push buttons, or custom built desktop control consoles with engraved text and a powder coated finish. If required, we can also construct control boards to provide the functionality you need.





The BD655 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.



## D355

## SWING GATE DRIVE



The D355 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.

## D385

## SWING GATE DRIVE



A surface mounted drive unit the D385 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.

## SPECIFICATIONS

### D655 SPECIFICATION

**MAX GATE WEIGHT** 3.5 tonne

**VOLTAGE** 230v

**MOTOR SIZE** 0.37kw (3 phase)

**CONTROL PANEL**

PLC and inverter driven

**LIMITS** M30 Proximity

**LOCKING** Mechanical

**SPEED**

4 secs per meter (adjustable)

**SLOWDOWN** Yes (adjustable)

**AUX SUPPLY** 24vdc 1 AMP

### D355 SPECIFICATION

**MAX GATE WEIGHT** 800kg

**MAX LEAF WIDTH** 6.0m

**VOLTAGE** 230v

**MOTOR SIZE** 0.37kw (3 phase)

**CONTROL PANEL**

PLC and inverter driven

**LIMITS** Mech Roller type

**LOCKING** Mechanical

**SPEED** 8-12 secs (adjustable)

**SLOWDOWN** Yes (adjustable)

**AUX SUPPLY** 24vdc 1 AMP

### D385 SPECIFICATION

**MAX GATE WEIGHT** 1.5 tonne

**MAX LEAF WIDTH** 8.0m

**VOLTAGE** 230v

**MOTOR SIZE** 0.37kw (3 phase)

**CONTROL PANEL**

PLC and inverter driven

**LIMITS** Mech Roller type

**LOCKING** Mechanical

**SPEED** 8 - 12 secs (adjustable)

**SLOWDOWN** Yes (adjustable)

**AUX SUPPLY** 24vdc 1 AMP



# TWIN WIRE MESH SYSTEMS

## DUO 6

Duo6 combines a perfectly engineered robust design with a low visual impact that will blend into any situation.

Manufactured from twin 6mm horizontal wires sandwiching a single 5mm vertical wire, the system offers a high level of vandal resistance. Widely specified across the country in both the private and public sector, Duo6 has proven itself time and again.

Our 3m wide panel uses a clip system to provide one of the most economical perimeter fencing systems on the market. The Duo6 system uses a continuous clamp bar to cover the panel ends. This means there are no exposed panel edges on which people might snag themselves

and also makes levering the panels away from the post extremely difficult.

Duo6 is also available with a V-Beam, added during manufacturing to increase rigidity.



## SPECIFICATIONS

### DUO6 SPECIFICATION

#### HEIGHT & POST SECTIONS

0.43-2.23m high: 60x40mm posts  
2.43-3.68m high: 80x40mm posts  
3.88-4.48m high: 100x50mm posts  
5.00-6.00m high: 120x60mm posts

#### POST CENTRES

2.52-3.025m

#### WIRE SIZES

5mm vertical  
2 x 6mm horizontal

#### MESH PATTERN

200mm x 50mm

### DUO8 SPECIFICATION

#### HEIGHT & POST SECTIONS

0.43-2.23m high: 60x40mm posts  
2.43-3.68m high: 80x40mm posts  
3.88-4.48m high: 100x50mm posts  
5.00-6.00m high: 120x60mm posts

#### POST CENTRES

2.52m

#### WIRE SIZES

6mm vertical  
2 x 8mm horizontal

#### MESH PATTERN

200mm x 50mm

### GEMINI SPECIFICATION

#### HEIGHT & POST SECTIONS

0.83-2.23m high: 60x40mm posts  
2.43-3.68m high: 80x40mm posts  
3.88-4.48m high: 100x50mm posts  
5.00-6.00m high: 120x60mm posts

#### POST CENTRES

2.52m

#### WIRE SIZES

6mm vertical  
2 x 6mm horizontal

#### MESH PATTERN

200mm x 50mm

## DUO 8

Based on the Duo6 system, the Duo8 is a twin wire fencing panel featuring two 8mm horizontal wires that sandwich 6mm vertical wires.

Each panel is manufactured with a 50mm x 200mm mesh aperture, ideal for use with CCTV camera systems as the open mesh aperture provides excellent visibility on anyone trying to breach the perimeter. The welded mesh twin wire fencing system provides a rigid, robust and strong panel that is ideal for perimeter fencing solutions.

Available with either clamp bar or bracket fixing options, the full length clamp bar provides additional security for any intruders trying to break into the fence line.

Each twin wire fencing panel is available up to 6m in height and up to 3m wide and can be supplied with your choice of fence toppings.



## GEMINI

Possibly the most attractive fencing system on the market. Available in wave, convex, concave and surf, each shares the curvaceous styling common to the Gemini range, yet each is different enough allowing radically different styles to be selected depending on the setting.

Each of these systems has the ability to break up rigid fence lines and is perfect for areas that are aesthetically sensitive or which are on show to the public or customers. Based on the twin wire Duo system, Gemini uses twin horizontal wires to sandwich the vertical wires.

Anti-tamper fixings and ball finials combine to make this system both attractive and secure.

Due to its strength and great looks, Gemini fencing is ideal for housing projects, schools and prestige projects where the fence needs to be a feature as well as a boundary.



# RAILINGS & SECURITY FENCING

## VERTICAL BAR

Combining dramatic appearance and Vertical Bar economy, vertical bar railings are popular in many settings. They are available in either solid bar or hollow tube versions.

Solid vertical bar railings are a stylish and robust solution to perimeter security. Styles are available up to 2.4m for perimeter security and various finials can be added to further discourage climbing.

Similar to solid bar railings, hollow tube railings are larger in diameter than the equivalent weight solid bar. These bigger tubes give similar strength to smaller solid bars and are well suited to areas

where appearance is a priority. Using round or square section tube, the rails are flat topped as standard, but can be mitred for an attractive effect.



## Hi SEC

HiSec uses a popular '358' welded mesh configuration which makes it an excellent solution for high security applications. This fact is reflected by its use by the Home Office for prison facilities in the UK.

The close mesh formation means that it is almost impossible to climb, and is very difficult to cut with anything other than power tools. Whether you are using a clip system for low risk sites, or a clamp bar system, HiSec 358 mesh system can work to mitigate the risk of potential attack.

The system is available up to 6m in height in a single panel.

Enhanced versions of this fencing can be supplied for very high security applications with 6mm 8mm or 10mm vertical wires to provide an extremely strong and

rigid panel. These enhanced fence configurations have achieved Secured by Design Accreditation from the Association of Chief Police Officers along with security rating certification to LPS 1175.



## ARMAWEAVE

This woven mesh fencing system is designed to secure sites of critical national importance. Installed on multiple high profile locations around the world, ArmaWeave has unique system properties, which give significant advantages over other perimeter fencing solutions.

The woven mesh fencing system offers a more substantial delay from attack, from hand and powered tools than would be offered from traditional systems – thanks to its tighter mesh pattern and use of high tensile steel wires.

ArmaWeave is tested and approved for UK government use by the Centre for the Protection of National Infrastructure and by various government departments,

and meets the current criteria for forcible attack. The tight woven mesh pattern offers no climbing aids and provides little room for blades and cutting tools to attack the fabric.



## SPECIFICATIONS

### VERTICAL BAR SPECIFICATION

#### HEIGHTS AVAILABLE

1.20m; 1.60m; 2.00m

Non standard Heights are available to order

#### POST CENTRES

2.76m

#### TUBE DIMENSIONS

Tube Diameter: 20mm

Wall thickness: 1.5mm

#### POST SECTION

up to 1.2m height - 50x50mm

1.3-1.5m height - 70x70mm

1.6-2.0m height - 80x80mm

### HISEC SPECIFICATION

#### HEIGHT & POST SECTIONS

1.27m: 60x40mm posts

1.80-2.43m high: 80x40mm posts

2.70-3.00m high: 100x50mm posts

4.20-4.80m high: 120x60mm posts

4.80-6.00m high: 160x80mm posts

#### POST CENTRES

2.47m

#### WIRE SIZES

4mm vertical; 4mm horizontal

#### MESH PATTERN

76.2mm x 12.7mm

### ARMAWEAVE SPECIFICATION

#### HEIGHT & POST SECTIONS

2.00m, 2.40m; 3.00m;

3.30m; 3.90m; 5.20m

#### POST TYPE

Omega

#### POST CENTRES

2.525m

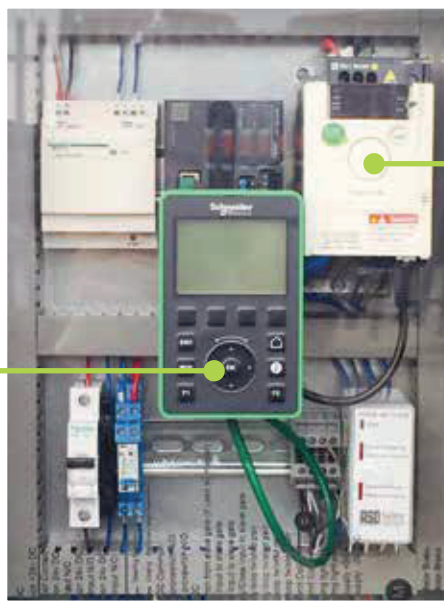
#### WIRE SIZES

4mm vertical; 4mm horizontal

#### MESH PATTERN

17mm x 17mm

Braemax Ltd 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. Early 2015 saw the introduction of the latest control system for barriers, gates and road blockers, which 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.



*Sliding gate control panel*



## SCHNEIDER PROGRAMMER

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.

## FAULT FINDING

The PLC software was developed to simplify installation and maintenance procedures. 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.

## NETWORKED SCHNEIDER DRIVE

The drive is networked to the control system and provides functions from the graphical display to control speeds and slowdowns. This allows it 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.

- PROGRAMMABLE BY THE GRAPHIC DISPLAY
- ULTRA EFFICIENT INVERTER DRIVE
- NETWORKED DRIVE FOR ULTIMATE CONTROL
- BUILT IN 24HR TIMECLOCK
- EASY FAULT FINDING
- VERY INSTALLER FRIENDLY

Products which use these panels BD320, BD325, BD380, BD560, BD580, BD600, BD650, BD840



## GAME KEEPER GS



- Independently tested and certified to BS7558-1992
- Superior quality gun cabinets
- Suitable for shot guns or rifles
- Will accommodate most models with scopes and silencers fitted
- Three way moving boltwork
- High density foam gun holders and base
- Holders for cleaning rods and ammo belts
- Internal lockable ammo box
- Handle driven boltwork increases the lifespan of your lock
- Choice of key, pin code or fingerprint locking
- Back and base fixing

## CART / 1



- Protect cash at the vulnerable point
- Reduces theft, smash and grab raids and internal fraud
- Choice of security levels and locking options
- Cart/1 has electronic locking with time delay
- Cart/1 suitable for use in Raid Control approved premises

## FIRESEC 10 / 60



- Independently attack and fire tested by ECBS to EN1143-1 Grade 1 & EN15659 LFS 60P
- A high level of fire protection combined with a high level of security
- Ideal home or commercial safe for both valuables and papers
- Double walled steel body and door filled with special fire and security composite
- Option of mechanical combination, electronic PIN or biometric locks
- Adjustable shelves in each size
- Base fixing

## CONSORT



- Choice of key or PIN code
- Electronic versions feature new anti-bump design
- Electronic versions have emergency override key and external emergency power packs
- Electronic versions have a backlit display for easier use in dark cupboards
- Back and base fixing

## KEYGUARD JUPITER



- Small budget safe for home use
- Superior build quality compared to other safes in this class
- Ideal for storage of car keys, wallets, mobiles and small quantities of cash
- Can also be built into banks for use in Hotels and office foyers
- Electronic locking with changeable pin code
- Emergency key in case of lost codes or power loss
- Back and base fixing

## KEYGUARD 3000



- Solid, heavy duty door and body
- Heavy duty 30mm diameter boltwork
- Body and door lined with fire protective material
- High security key or electronic locking
- Electronic version features display screen for ease of use
- Electronic version features emergency key and emergency power point in case of lock out
- Luxury, felt lined interior to avoid your valuables being scratched
- Chrome boltwork and trim for a stylish look
- Modern exterior design
- Back and base fixing

## DATA SAFE



- Independently fire tested in Sweden to NT FIRE 017
- Offers between 60-120 minutes fire protection for CDs and computer media at temperatures of up to 900°C
- Protection against smoke and water damage
- Protection against magnetic fields and electrostatic phenomena
- High quality electronic locking as standard
- A combination of adjustable shelving and dividable drawers allows for efficient storage of various objects
- Larger models feature castors for easy manoeuvrability

## STANDARD MK / II



- Simple guest operation
- Guests choose their own 3-6 digit code
- Locking via manual handle
- Features keyed alike emergency key and master code
- Bleepers and LED lights to confirm actions
- Back and base fixing

## AVER TILL SAFE



- Ideal for the storage of till drawers
- Store a minimum of 4 drawers in each model
- 2 different security levels to suit your requirements
- High security key lock as standard
- Electronic or biometric locking available on request\*
- Adjustable shelves in Aver G1S5
- Back and base fixing
- Grade 1 version only\*



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