



Charging and Access Control to Public Toilets

Purpose of Access Control

By integrating modern access control systems, Healthmatic can introduce dual complimenting benefits to the management of your public toilets.

- Efficient opening and closing control. This can be done using simply automated systems, which will have a very rapid payback and give more flexibility and reliability to opening hours.
- Raising of revenue. Access control systems can integrate charging mechanisms when appropriate, and this will help raise revenue which will both contribute to running costs and help reduce general anti social behaviour.



Charging

Different user groups are affected by charging in different ways.

Tourists / Visitors

Tourists are less price sensitive to toilet charging than local people due to two main factors:

- Little knowledge of the alternative provision.
- An acceptance of charging while away from home

The introduction of charging will therefore have less affect in those areas more tourist orientated. In addition visitors are less price elastic meaning they are less sensitive to the actual level of the charge.

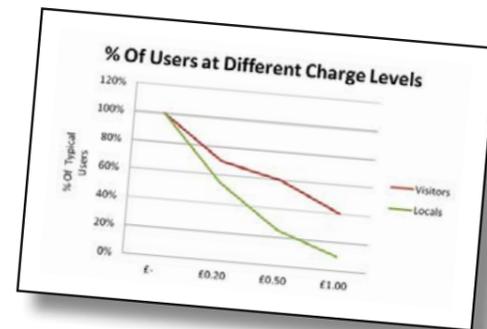
The combination of low impact on volumes and low sensitivity to charging in more visitor orientated areas, combines to mean that charging will earn an area revenues without dramatically affecting the number of people seeking and using the toilet.

There are a number of guides as to the price impact on numbers at different locations. At the Tower of London, where we have all the figures before and after charging, the impact of the 50p charge has resulted in a 50% reduction in usage. In the Cotswolds, where there was also an associated upgrade in the quality of the toilets, usage again dropped 50%, but with a charge of 20p.

Local People

For locals, the impact of imposing any price mechanism will depend on the quality of the toilets. Time and again, in research carried out by local authorities, people will tell us that they would pay for toilets if they were clean, tidy and safe.

In reality, the impact of a 20p charge will halve the usage for a quality toilet, and will reduce by up to 70% for a less clean toilet. At 50p this will rise to 75% reduction, again depending on quality, with similar increase in impact at higher price points.



Door Control System

Controlling access to a toilet or other space.

Healthmatic's door control systems are designed to provide a secure, effective and simple means of access control at the point of entry into a toilet or other space. This can be used in conjunction with a revenue raising program or simply to control access by different user groups.

The door control is easily integrated into the overall management system of the toilet. This means that the door can be remotely opened and closed, give timed access, and manage utility efficiencies, through only operating lights etc when the toilet is operational.

The extremely rugged nature of the unit means it shrugs off vandalism; a 3mm thick stainless steel fascia, anti-jemmy flanges and high quality locks ensure the unit and any cash held is well protected. This makes it suitable to position in remote unmanned locations.

The door control can be used in association with multiple entry systems on direct access toilets or interior cubicles, as well as single access points into a toilet block.



Paddlegate

Pedestrian access can be controlled with the PaddleGate. This facilitates the development of revenue from a service, without the problems traditionally associated with turnstile systems and other gates.

PaddleGate's provide fast, safe and smooth operation to help control access into a building. Throughput is typically much higher than turnstiles due to clear space generated as the gates open. Reliability is high, and this combines to maximise revenue and security with minimal downtime.

The moving 'paddle' is available in many different styles and sizes: a 'soft touch' material over a steel core, or a stainless steel frame with perspex or custom infill. This allows it great versatility, and can be at home in a public building, transport hub or sports stadium.



Access can be triggered through cash, card, text or other coded RFID card. Each develops its own audit trail which is held and transmitted back to the desktop of the system manager. Cash and access numbers can easily be audited against the generated log.

Benefits

- Increased revenue
- Fast throughput
- Reliable operation, low maintenance
- Full footfall and cash audit statistics

Whole 'Premier' Door Sets

Some new and existing public toilets have unsuitable access points to adapt to the door control system. Where this is the case, we can install a new door set which integrates the coin access with the toilet management systems. These doors are designed specifically with this job in mind and will outlast the majority of the infra-structure within the toilet.



- Galvanised steel doors powder coated in RAL Colours with S/S 'porthole'
- Optional Hardwood timber facings to all doors if required
- Lock jamb with integral coin entry unit with vandal resistant concealed cash drawer
- Vacant / occupied indicator lights
- Optional RADAR Key over-ride
- Integrated Management: countdown timer, people counter, back up WC flush and utility activation
- Maglock 12/24V DC door monitoring - improved for user safety and security
- Auto lock (pm) and unlock (am) to suit requirements.



Cash Management

Installing systems which are effective, user friendly and robust to abuse is the first part of the process. Managing the money, in terms of cash bags, auditing, and security is the next consideration.

The cash is held and audited in toughened cash bags within each entry system. When swapped over, each bag self locks and can only be opened by the authorized key holder. When the bag is swapped, a print off of the cash held in the bag is made and clipped to the bag.

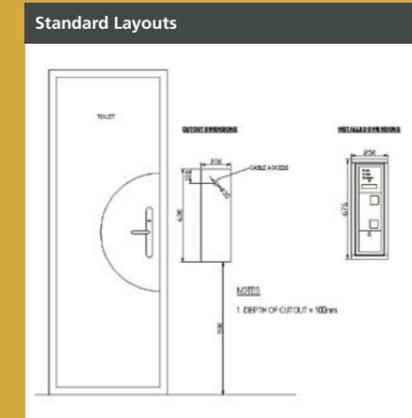
The data can be transmitted via the integrated modem to the manager's desktop. This gives the manager a complete audit trail for the cash, and visibility on when the cash bags need changing. All data is downloadable and can be used in accounts and reports.

Factors to consider:

- **Charge** Assess the best approach and level of charging
- **VAT** Private companies must imply 20% VAT in the charge, meaning 50p at 20% VAT is in fact worth 41.6p of net revenue.
- **Cash Collection** Collection money in public space has its difficulties and systems which reduce the requirement to handle money are actively introduced.
- **Reduced Anti Social Behaviour** Vandals and drug takers are less likely to pay to use the toilet than regular users. The toilets will therefore naturally stay in better condition through the charge, thus helping costs and providing a better environment for genuine users.
- **Costs** Reduced usage will lead to lower costs in general, and possibly an opportunity to reorientate a toilet due to reduced demand.



Door Control System



Technical Specifications

Current consumption 230v ac supply, 1A max

Size Height 676mm, width 250mm, depth in wall 100mm, depth outside wall 90mm

IP65 rating (with external shroud)

Material Stainless steel construction

Coin validator Fully waterproof, with 12 programmable coin / token channels

Security High security tubular key pin tumbler lock with copy restricted key

Auditing Cash tracking via LCD display as standard; non resettable audit counter

Options

- Integrated user payment system
- Single or bi-directional operation
- Various paddle styles - standard, wide, soft touch
- Perspex / custom infill
- Full customisation service
- GSM reporting

Key Features

- Safe and reliable
- Small footprint - see drawing
- Flexible revenue source options
- Integrated cashbox and coin validator
- Anti vandalism design and alarm

Technical Specifications

IP Rating IP55

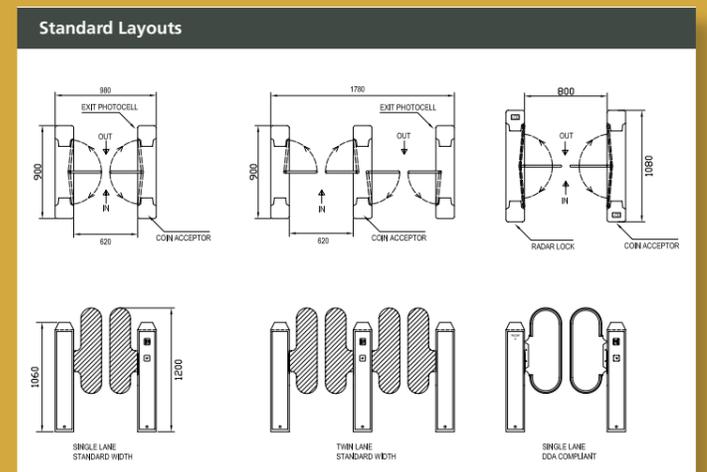
Power Supply 230v ac, single phase

Operator interface Buttons & LCD

External Interfaces Emergency open fire interface
Dry contact interface
RS232 option

User interface 20 x 2 Transflective bl

Paddlegates



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