

healthmatic

Access Control



Changing Places - Keypad

A Changing Places Room is a fully accessible toilet with the right equipment and generous space for the disabled person and up to two carers plus their equipment. In Changing Places room there is a considerable amount of expensive equipment.



In unmonitored or outdoor space it is important to prevent casual vandals from entering and causing wanton damage.

It is possible to use RADAR key access control but this is open to abuse as the keys are so freely available.

Some locations have a "key holder", but this also relies upon staff being onsite and the key being returned.

The Healthmatic solution can significantly reduce this by using a key pad entry system where the user has to know the code prior to entry.

How does it work?

The keypad entry locking system can be used in conjunction with automatic timed open and close or is set to be accessible 24/7.

The user phones the number advertised beside the keypad entry which will say:
 "To access this Changing Places toilet,
 please phone 01249 823143.
 Your location is xyz".

We create this sign per site as you may or may not want your Council details advertised alongside.

You then have two options. Either our responder who answers the 24/7 telephone in our call centre gives the caller the code to access the toilet. Or the responder asks for the mobile phone number of the caller and then calls them back with the code.

Both have proved secure, but the second option adds a layer of security as it requires the user to provide their mobile number, discouraging potential vandals.

The client can change the code, but then must inform us so that we can change the instruction.

Technical Information

Supply Voltage / current	230v ac, 1A
Operating Voltage	12v dc
Operating Temperature	-15 to 50 c
Material	302 Stainless Steel Exterior
Electronic Lock	



Coinpay

Healthmatic's CoinPay range of payment machines are designed to provide a secure, effective and simple means of customer cash payment. It is designed to fulfil a need for a simple, compact cash payment machine to provide a revenue generation opportunity where other machines may be too bulky or expensive.

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 cash is well protected. The CoinPay unit may be connected to a strike lock, timer, barrier, shower, small pay and display car parks, door, hairdryer or other valuable assets. The unit is designed for simple installation and can be fitted by one of our competent tradesman.



Operation

Coinpay offers you the option to set a coinage amount to allow access and to open/start and close/finish automatically on a timed basis, typically morning and evening. It can be used in conjunction with any of the other access systems and is often coupled with a contactless access unit. Access can also be managed via tokens, which can be given to closed user groups, for instance Council street cleaners. If fitted to a door, the user will wave their hand over the interior sensor to lock

the door and this will prevent other people trying to gain access through payment. The user exits by either depressing the typical door handle, or by waving in front of the same interior sensor fitted inside the door.

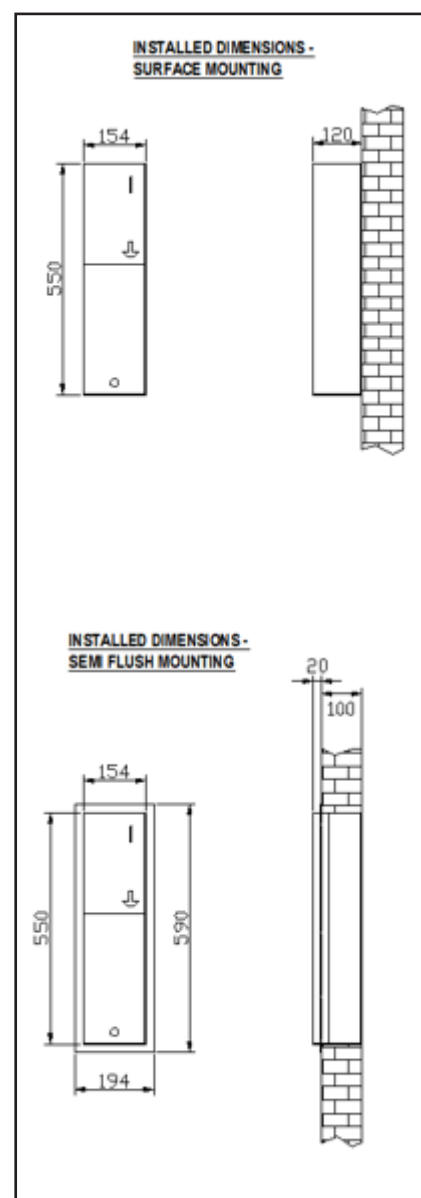


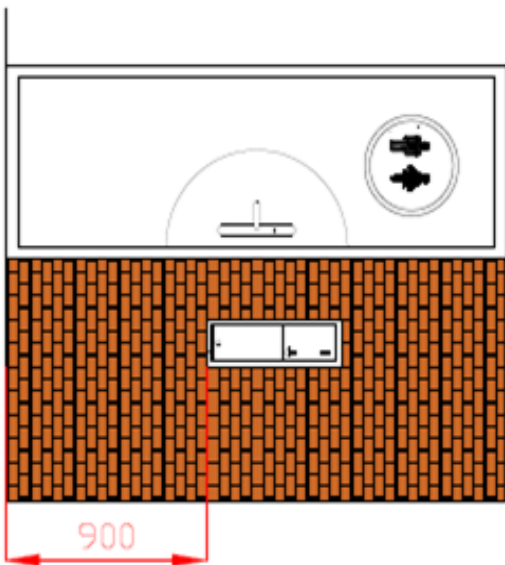
Applications:

- Unisex and traditional toilets
- Paddle Gates and turnstiles
(incorporated within body of unit)
- Shower Cubicles
- Sluice Rooms for caravans, canalboats etc

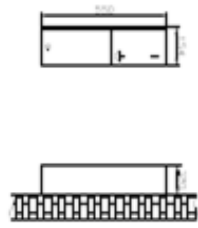
Technical Information

Supply Voltage / current	230v ac, 1A
Operating Voltage	12v dc
Operating Temperature	-15 to 50 c
Material	302 Stainless Steel Exterior
IP Rating	IP65
Size (semi flush)	H590mm, W194mm, D (in wal) 100mm, D (outside of wall) 20mm
Size (surface)	H550mm, W154mm, D120mm
Cash Capacity	£120 at 20p Tariff
Coin Validator	Adjustable tariff, with 12 programmable coin channels
Door Lock	High security tubular tumbler lock with copy restricted key
Cashbag	Self locking tamper evident cashbag with copy restricted key

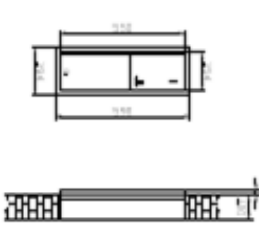




INSTALLED DIMENSIONS - SURFACE MOUNTING



INSTALLED DIMENSIONS - SEMI FLUSH MOUNTING



COINPAY SHOWING
OPTIONAL EXTRA
SECURITY BARS



Specifications

230V ac supply, 1A max. current consumption
Site (surface mounting model): Height 350mm, Width 134mm, Depth 120mm,
Site (semi flush wall mounting model): Height 350mm, Width 154mm, Depth
in wall 100mm, Depth outside wall 20mm.

IP63 ratings

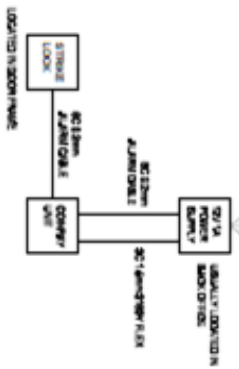
Material: Stainless steel construction
Com. indicator: Fully waterproof, with 12 com./token channels
Security: HEP security tubular key pin turnstile lock
Auditing: Cash tracking via LED display as standard, non-retractable audit code
Turn: Fully programmable from 1p to £59.99
User information: HEP daylight brightness LEDs
Open / Close 24/7 timer

Options

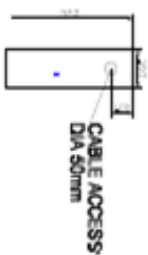
- Options:
 - Comms pack: GSM control system, providing remote web based auditing and control
 - Contactless payment
 - RADAR key module
 - Token/HID access

References

SWITCHED FUSED SPIN



CUTOUT DIMENSIONS

[illegible]

COINPAY 2 INSTALLATION		ELECTRIC UNIT	
DATE	DESIGNED BY	DATE	BY
APPROVED BY	LABORER		

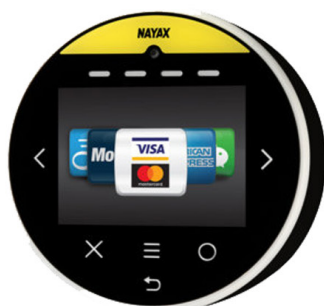
Contactless

Contactless payments, introduced in 2007, have become so popular that now 62% of card payments are contactless. There are an estimated 130 million contactless cards issued in the UK and they have all but replaced cash for many smaller transactions.

The Healthmatic Contactless Controller is a flexible method of accepting contactless payment from debit or credit cards, Apple Pay, Android Pay and Monyx.

Contactless payments are payments made by waving or tapping your contactless device – usually a card or smartphone – over a reader, which then accepts the payment.

Contactless credit cards have a chip inside them that emits radio waves. An antenna is built into the plastic to secure the connection with a contactless reader. This is known as Radio Frequency Identification (RFID) technology.



How does it work?

To pay to use the toilet with a contactless card, you hold the card near a payment terminal (known as an RFID reader – see picture above) and it picks up the signal, communicates with the card and processes the payment.

Once the payment is accepted – usually less than 2-3 seconds – the door lock is triggered and the user let in.

The reader will also be set up with a timer based system, so that access can be allowed only during designated hours, for instance 8am to 8pm.

Healthmatic Specialist Toilet Doors

The door is the aspect of an outdoor public toilet most likely to cause issues to both the client and the user.

From the client's perspective, they are often subject to attempted or real vandalism, they can be locked or unlocked at the wrong times and they will be swung on sometimes bent out of shape. For the user, they are looking for a door which is easy to open and close, one that feels secure when they are in the toilet and is as touch free as possible.

Design

Healthmatic doors have been in constant evolution over the last 25 years. We started with sliding doors, as these are easy to manage in terms of open and close and difficult to vandalise – however users dislike them, with some wondering if the door will open while they are in the toilet, and others worrying that it will never open again.

We now use a swing door with 6 steel hinges, which makes for good access for the user, but when swung on, is unlikely to bend.

The frame and door are made from 1.5mm to 3mm anti corrosion steel and all the attachments such as handles and locks are all "bolt through" making them very difficult to remove or vandalise. The door closer is integrated into the frame making it difficult to bend or vandalise. The doors can be powder coated to the correct colour and linked to the access system required. On exterior doors, LED lights are fitted to indicate to users whether the toilet is available or in use.

They can be designed to open in or out, but the majority of toilets are best if fitted with open outwards doors as these are less easy to "kick in".

We have retrofitted hundreds of doors to existing toilet blocks, and can size them to whatever is required. They are often retrofitted with a timed access system or new charging system.



Specification

Usage

Main doors to traditional public toilets, Changing Places toilets, accessible and direct access cubicles, interior and exterior.

Door Leaf

- Manufactured from 1.5mm anti corrosion steel (316 Stainless for Coastal environments)
- Integrated Dorma ITS96 door closer
- Stainless Steel threshold, and kick plates on inside and outside of door
- 6 * Hinge 4" x 3" Grade 13 SSS
- CE marked
- Finished in specified RAL colour

Door Open and Close

- To open door from outside
 - Outward opening - bolt through pull handle
 - Inward Opening - push plate
- Electronic illuminated lock and unlock button
- Trimec ES2000 Electric Strike (with fail closed or fail open)

Door Frame

- Manufactured from 1.5mm anti corrosion steel (316 stainless steel for coastal environments)
- Green and red LED lights to highlight toilet status (not required on traditional toilet main doors)

Electronic Door Management Options

- Door can open freely without payment/other access system if required
- Door opening can be controlled by:
 - Coin access, Contactless payment, RADAR key, RFID reader, Keypad

Door Options

- Porthole vision panel
- Auto timed lock and unlock of facility in morning and evening (local or remote)
 - RADAR key and cleaner access key override (key alike) if required
- If for Accessible access, then interior closing bar will be fitted
- 316 Steel for adjacent to sea and other abrasive environments
- Assisted door open and close using Dormakabba (subject to additional regulations)
- Door lock/unlock on manual thumb lock on free entry and interior cubicles
- Where required can be Certifire approved CF369, Fire tested to BSEN1634-1

All doors sized to requirement

Time Managed Open and Close

Many Councils need a door which will open at a given time in the morning and close again in the evening. The solution offered by Healthmatic can be managed locally using a digital timer and set of locks, or remotely used in conjunction with our Healthmatic Control System, powered by Moxi.

In both cases, the need for an employee to attend twice a day to open and close the facility will be eliminated. As a bonus, our timers do not take holidays and never sleep in!

When looking at the overall effort of operating a building, whether it be a community hall or public toilet, there is very often a disproportionate time and cost which is taken by the opening and closing.

There are many reasons for this:

- Each open/close is a special trip and not part of a round
- Holiday cover often needs to be arranged
- The member of staff is unwell and cover needs to be arranged
- The opening time means that the staff member starts earlier than they otherwise would

The Healthmatic Control System for public toilets is designed to cope with just this situation.

Through the use of either the existing electronic locks, or the introduction of new electric strike locks, we can operate your main door, or multiple doors, on a timed basis.

The simplest solution is a single door with a static time for opening and closing. The timing can easily be changed, but only by operating the timer onsite.



The timer can be associated with a CoinPay or other access control system. For instance, you might want to open a building from 7am to 7pm, and only if the user inserts 20p.

Onsite operation

The system will operate up to four doors. Electronic locks are fitted to the required doors and connected to the service area control box.

The operator sets the timer on a 'per weekday and per weekend' timed basis, and this will automatically make each door accessible at that time. It does not set each door individually.

The user can now enter the area managed by the door. If the user is within the toilet when the door is set to close, they can either exit using a standard door handle, or where this has not been fitted, using an electronic switch fitted beside the exit.



Technical Information

Supply Voltage / current	230v AC, 1A
Operating Voltage	12v DC
Operating Temperature	-15 to 50 C
Material	PPC Coated Mild Steel
IP Rating	IP54
Size (1 and 2 doors)	H210mm, W240mm, D110mm
Size (3 and 4 doors)	H290mm, W340mm, D110mm

Healthmatic Control System

The Healthmatic Control System, powered by Moxi, is the audit and control system for Public Toilets. It provides the contract manager with full information about activity at the toilet, an understanding of the usage, as well as the ability to manage the open and close times of the toilet over the web.

The heart of the system will be the Moxi unit. This will be fitted in the service area of each toilet, and connected to the doors and sensors in the toilet.

Key Benefits

Web Based Management:

The data and information gathered at the toilet via the remote comms is transmitted via GPRS to a web portal accessible by the contract manager and any other appointed contact points. The data is two way, meaning that the manager can send changes to settings at the toilet as well as receive.



The contract manager can access the page via a traditional log in. They are then presented with their options screen. This will be tailored to the manager depending on which products and services they have subscribed to.

Once on their page, the manager can:

1. Identify cleaner visits; when and who visited. This is crucial to correct deployment of cleaning staff. An exception report will also reveal if a cleaner hasn't visited in the predetermined timescale.
2. Allows for Supervisor, Inspection or Engineer visits to be recorded to allocate costs based on time and attendance at the unit per person in the work force. It also records the reason for the visit.
3. Remote ability to set the open and close times of the toilet.

And if fitted with coin access, it can also add:

4. Remote ability to alter the tariff to access the toilet
5. Audit of cash taken if this is a 'pay to use' unit.
 - a. What value of coinage is in the cash bag;
 - b. The cash in the bag when it was last removed and exchanged
 - c. Send an alert to the relevant person that a bag needs changing

Paddle Gates

Controlling access to toilets, libraries, transport systems and other public spaces, whether for the purpose of charging for entry, managing throughput by smartcard or simply to limit the number of people entering an area, is best achieved with the universally recognised Paddle Gates.

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

Our gates are produced to a high specification here in the UK and are targeted at toilets with a high user throughput. The types of location would be busy tourist centres, seaside locations or town and city centres.

The Healthmatic Paddle Gate has a compact footprint which allows it to be fitted in narrow entrances and corridors, whilst still providing a wide aisle opening up to 620mm.

The durable stainless steel construction allows it to shrug off the vandalism and wear associated with constant contact with the public.

Operation

Paddle Gate'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.

How does it work

Access can be triggered through cash, card, text or another 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.



The most common control system is by contactless RFID reader. Through this it is possible to either make a charge or allow certain groups with a particular card through. For instance, in a park, you might want to charge regular users 30p, while allowing "Friends of the Park" in for free.

We also offer coin based access, RADAR key access or smart card systems.

All systems work in tandem with our audit and control unit Moxi, giving you complete vision on the levels of activity through the paddlegate.

Applications:

- Unisex and traditional toilets
- Multiple shower units
- Libraries



Technical Information

Supply Voltage / Current	230V AC / 3A
Operating Voltage	24V DC / 12V DC / 5V DC
Operating Temperature	-15 to 50C
Material	302 Stainless Steel Exterior / 10mm Clear Perspex Paddle
IP Rating	IP54
Size	See Drawings
External Interfaces	Fire alarm open interface, dry contact, GSM
Cash Capacity	£350 at 20p tariff
Coin Validator	Adjustable tariff, with 12 programmable coin channels
Door Lock	High security tubular tumbler lock with copy restricted key
Contactless Unit	Onyx
Cashbag	Self locking tamper evident cashbag with copy restricted key

Alphagates

Controlling access to toilets, libraries, transport systems and other public spaces, whether for the purpose of charging for entry, managing throughput by smartcard or simply to limit the number of people entering an area, is best achieved with the universally recognised Paddlegates.

Sometimes however, there is inadequate space for the Paddle Gate, and the next best option is the Alphagate.

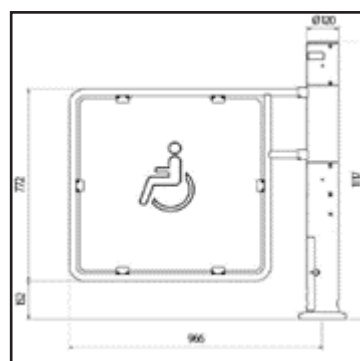
The Alphagate is the latest addition to our family of entrance systems and gates. Its hi-tech system and sleek design give it an elegant and contemporary appearance which will complement any environment.

The Alphagate works especially well for high levels of customer traffic:

- Can be installed with our range of customer guidance rails or as a standalone system
- Has several different opening options: RADAR, photocell, overhead sensor, remote control, push-button and numeric keypad
- Has an emergency anti-panic safety feature that can be forced in both directions
- Can be linked to other security systems such as the fire alarm
- Can be fitted with other safety mechanisms such as Childsafe
- Automatically resets the gate arm when the 'panic break' has been forced

How does it work

Access can be triggered through cash, card, text or another 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. The access controller sits separately from the gate as this gives more flexibility in location.



The most common control system is by contactless RFID reader. Through this it is possible to either make a charge or allow certain groups with a particular card through. For instance, in a park, you might want to charge regular users 30p, while allowing "Friends of the Park" in for free.

We also offer coin based access, RADAR key access or smart card systems.

All systems work in tandem with our audit and control unit Moxi, giving you complete vision on the levels of activity through the Alphagate.

Applications:

- Unisex and traditional toilets
- Multiple shower units
- Libraries
- Transport Systems



Technical Information

Supply Voltage / Current	230V AC / 3A
Operating Voltage	24V DC / 12V DC / 5V DC
Operating Temperature	-15 to 50 C
Material	302 Stainless Steel Exterior / 10mm Clear Perspex Paddle
IP Rating	IP54
Size	H920mm (top of paddle), opening width 650mm
Size	H1117mm (top of pillar), pillar diameter 120mm
External Interfaces:	Fire alarm open interface, dry contact, GSM

RADAR - Standard Electronic / Advanced

The RADAR key scheme was designed to provide free and exclusive access for people with special needs when going to the toilet.

Two models are available:

Standard – this operates with a strike lock as opposed to the usual manual locking system. This option can be used as a standalone unit or alongside other door management options and gives RADAR key holders free access to the toilet. The advantage of electronic access is threefold:

- The door will automatically open if the emergency cord is pulled
- It can be coupled with an automatic timed open and close system
- It can be independent of other toilets in a block, meaning that you can automatically lock down one section and leave just RADAR key access

Advanced - this has all the features of the standard model but has:

- Automatic timed open and close built in
- Indicator lights on the front to indicate in use/out of use

This would be a good set up if its only RADAR being used to offer access and the client wants to manage the open and close automatically.

Applications

- Accessible toilets
- Accessible Showers
- Other Accessible units

The key operates in conjunction with an electronic strike lock.



Technical Information

Supply Voltage / Current	230V AC / 1A
Operating Voltage	12V DC / 5V DC
Operating Temperature	-15 to 50 C
Material	PPC Coated 2mm Stainless Steel
IP Rating	IP54
Size	H150mm, W150mm, D54mm

Background to RADAR

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ELECT. APPROVED BY		DATE	
HSA APPROVED BY		DATE	
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