

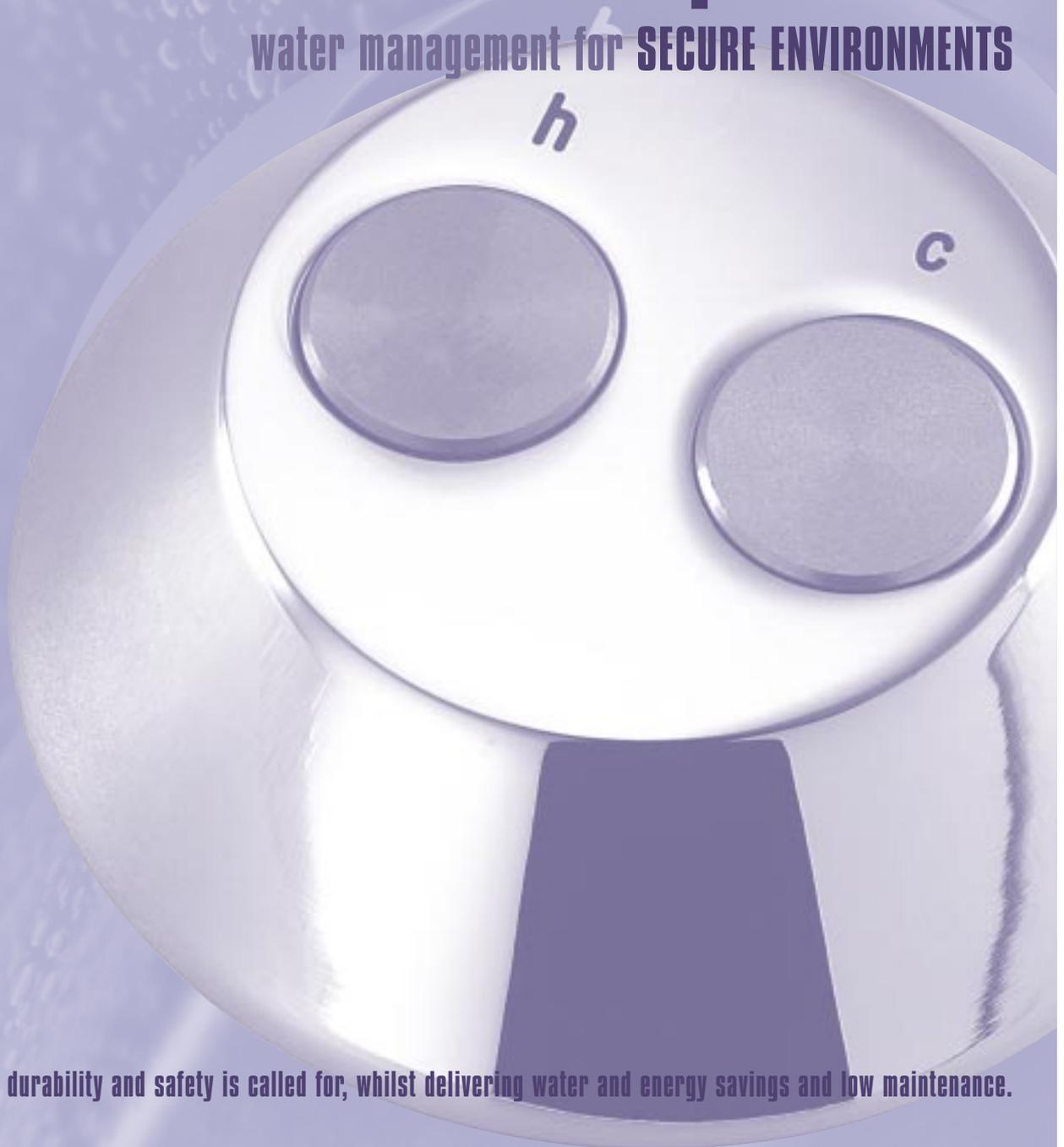
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eco-logic

electronic brassware and water controls

the secure portfolio

water management for **SECURE ENVIRONMENTS**



Where exceptional durability and safety is called for, whilst delivering water and energy savings and low maintenance.

ECO-Logic Control Systems

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ECO-Logic provides highly effective electronic water control systems, offering excellent water economies and extremely low maintenance. The systems cover all types of water outlets, using 'Touch' or 'Non Touch' sensors and utilising both individual and multi-outlet controllers.

Electronic controls have become standard in secure markets due to their proven reliability, cost effective operation and low maintenance. Durability and secure installation methods have contributed to the increased level of confidence, together with the significant water and energy savings available throughout the life of a building.

ECO-Logic has an extensive and versatile range of controllers and fittings for secure environments. Developed in close consultation with specifiers in the secure market, they incorporate many unique features and this flexibility marks ECO-Logic out from other mainstream brassware manufacturers.

Principle of Control

An ECO-Logic Controller links heavy duty vandal proof sensors to water control solenoid valves. Activating the sensors causes the valves to open and close. The mode of operation and flow times are set up within the Multi-Channel Controller and pre-selected by management.



1. Proven Technology

ECO-Logic controls are digital and solid state and run on proven, ultra safe 6 volt technology using battery or mains power. For mains power we supply a range of robust 230v/6vDC transformers. When supplying transformers, the battery is retained, to act as back-up should power failure occur. Typically a battery life of 3-5 years can be expected. ECO-Logic electronics have a 'Non Volatile Memory', which means they do not require re-programming following power failure or maintenance.

2. Complete Management Control

ECO-Logic Controllers provide 'Total Management Control'. Each basin, shower, bath and WC can be individually programmed to provide a variety of functions. Appropriate run times, fill levels and water temperature can be pre-selected allowing management supervision and control of all bathing and sanitary facilities.

3. Lockout Systems

ECO-Logic Controllers can be programmed to 'Lockout' to prevent misuse and entire areas can be shut down remotely for essential maintenance, or to help stabilise a situation of unrest. Flood Sensors and 'second safety' temperature fail-safes are also available.

4. Ease of Installation

We offer a pre-fitted wiring loom, which delivers all the cables with easy snap-lock sockets and all the relevant labels attached. This makes for easy installation, a reduction in faulty connections and simplified ongoing maintenance.

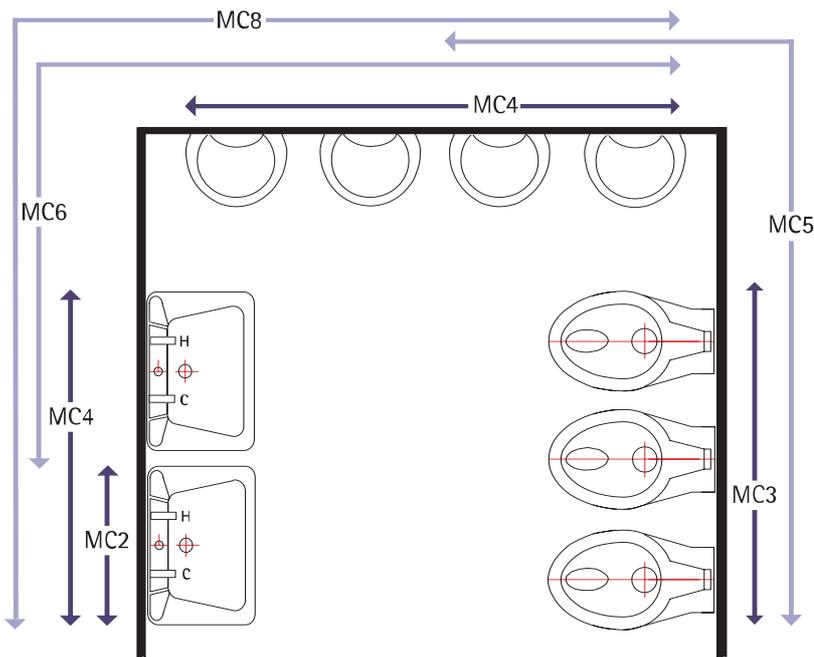
5. Guarantees

All ECO-Logic electronic control systems have International Patents and Copyrights and are designed, tested and manufactured in the UK. ECO-Logic systems are approved by BS/EC and WRC. The electronics are CE approved.

- 5 Year guarantee on Micro-Processors and Sensor Electronics
- 2 Year guarantee on Valves
- 1 Year guarantee on Brassware and Fittings

Multi-Outlet Washroom

Three types of ECO-Logic Controllers:



1. Individual

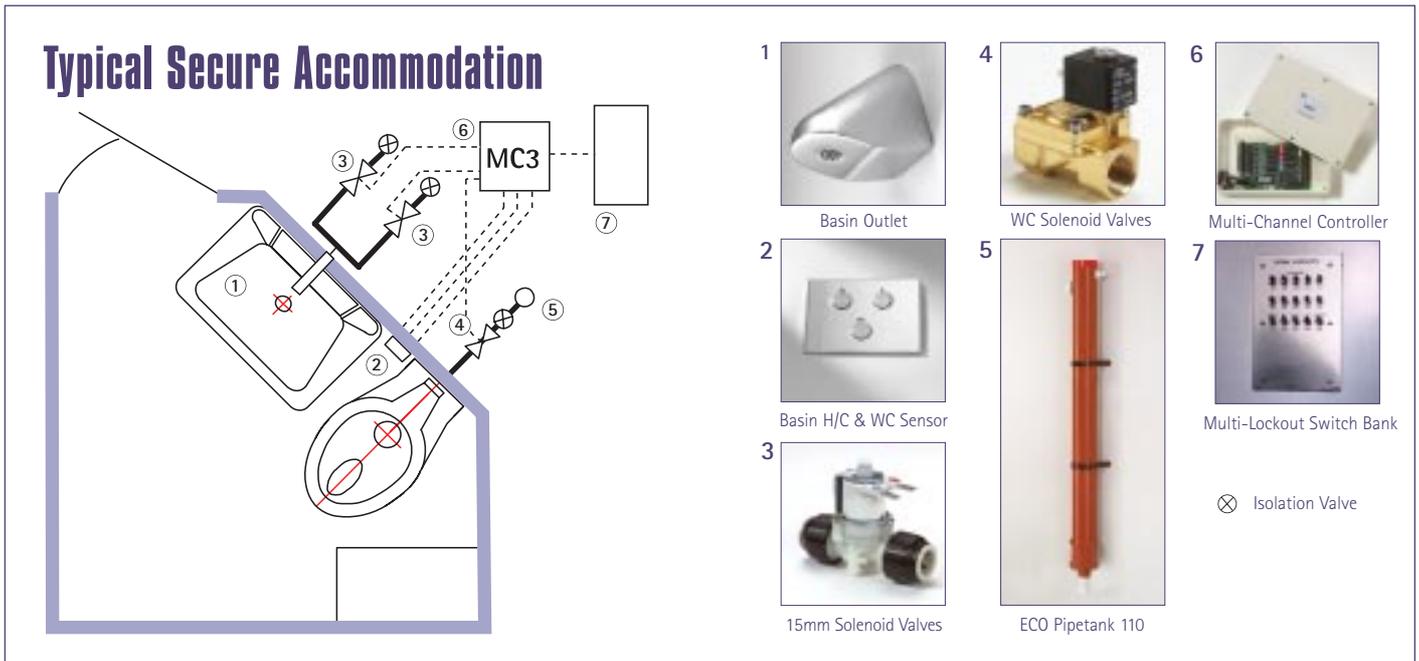
- each outlet has its own controller and solenoid valve(s).

2. Multi-Channel Controllers

- serving multiples of the same outlet typically basins, showers or toilets. Each controller can serve between 2-8 outlets. Commonly used in Sports Centres, Schools and Prisons.
- serving a number of different outlets i.e. a basin, a shower and WC. These are ideal for en-suite arrangements in Cells, Hospitals, Military Accommodation and pre-assembled POD formations.

— examples of single use multi-channel controllers
 — examples of multi-channel mixed use controllers

Typical Secure Accommodation



- | | | |
|---|---|---|
| <p>1 
Basin Outlet</p> <p>2 
Basin H/C & WC Sensor</p> <p>3 
15mm Solenoid Valves</p> | <p>4 
WC Solenoid Valves</p> <p>5 
ECO Pipetank 110</p> | <p>6 
Multi-Channel Controller</p> <p>7 
Multi-Lockout Switch Bank</p> <p style="text-align: center;">⊗ Isolation Valve</p> |
|---|---|---|

Versatility

Unique flexibility – a single ECO-Logic Micro Processor can control up to eight basins, WCs, or showers, or a variety of mixed items. Additionally, because the water outlet can be separated from the sensors and controllers, we provide more secure design options, by hiding critical control elements in ducts. The user only sees ECO-Logic secure sensors and anti-ligature outlets, which are held securely from the back by duct mounted fixings.

The water controls can be easily isolated by a single lock-out switch, either mounted on the ECO-Logic controller, or remotely on a single or multiple switch plate.

ECO-Logic Services

We pride ourselves on being able to respond quickly to client needs. When involved early in design, considerable benefits and cost savings are possible due to the unique flexibility of ECO-Logic controls. These can be in the design, layout or installation of building services, in the low cost of maintenance, or the reduced energy costs.

We offer:

- Design refinement
- Secure Sanitaryware
- Equipment Scheduling
- Detailed set-up instructions
- Commissioning Services
- Maintenance and Spares Services
- Product Training

Secure Handwashing

A Flexible Approach

Electronically controlled brassware allows Architects, Engineers and Designers to break from the convention of always placing water controls and outlets together. Separating the outlet from the sensor makes design sense, especially in buildings where secure fixings and fittings are needed.

Installing ECO sensors onto plates and discs with rear duct fixings, and delivering water via vandal-proof, anti-ligature fixtures makes for long term, low maintenance security and peace of mind.

Sensor Types

ECO-Logic has the widest range of sensors for secure, vandal prone and heavy-use installations.



Touch Sense

- A tough, solid state sensor
- Extra thick touch surface
- No moving parts
- Totally waterproof
- Securely mounted on discs, plates and pedestals



Trans Sense

- No sensors on the surface
- Sensor surface can be virtually any material
- 'Touch' or 'Non Touch' close proximity sensor
- Totally vandal resistant and anti-ligature
- Controls and Sensors are totally concealed



React

- Robust, press action switch sensor
- Proven long life performance
- Mounted as for Touch Sense



Infra Red

- Active and Passive Infra Red systems
- 'Non Touch' sensing
- IR versions can operate on 'close proximity' or 'longer range' modes
- Fully automatic hands-free system
- Caution advised on vandal prone installations

LEADING EDGE TECHNOLOGY - TRANS SENSE

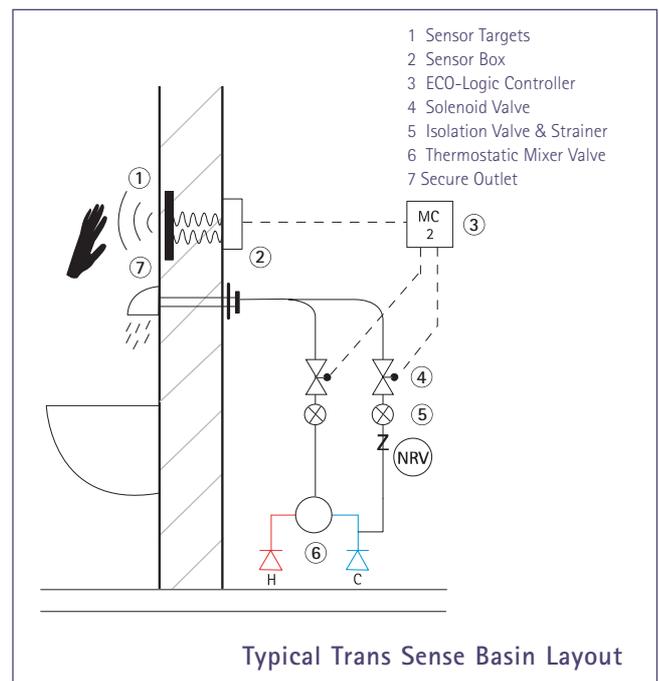
Trans Sense uses specially designed electronics to sense 'through-the-wall' or surface finish. It operates without any visible plates or switches, giving specifiers complete design freedom, unparalleled security and the highest standards of hygiene.

This sensor system is unique because the user can either 'Touch' a target surface to start water flow for the pre-selected run time, or alternatively, place hands close for a 'Non Touch' close proximity option.

Ideally suited to the demands of secure environments, especially when used with ECO Secure anti-ligature, vandal resistant brassware.

Sensor Surface Design

The target surface can display your choice of graphics (ie colour/language) to aid understanding. This could be useful in Multi Cultural environments and for users with disabilities because the graphics and sensors can be installed in the most convenient position for use. Additionally, the surface could display a Braille message.



Typical Trans Sense Basin Layout

Anti-Ligature Basin Outlets and Sensors

ECO Secure Brassware design has been influenced by the number of incidents involving persons using cell fixtures to attach ligatures. Reducing the likelihood of such incidents is considered paramount when developing any item in the ECO Secure range. They are impossible to dismantle and use as a weapon and the 'through-the-wall' range of non-ligature brassware drastically reduces the risk of self-harm. ECO-Logic recommends screwless fixtures wherever possible, using strong wall/panel conduits that connect into service ducts. The Touch Sensors are extra thick for long life and their durability is proven in Prisons, Youth Remand Centres, Police Stations and Secure Hospitals.



ECO ET41TS(D50)

- Disc mounted Touch Sensor
- Rear conduit fixing
- Smooth profile

ECO VPBS12-AL(17)

- Projected flow delivery
- Wall mounted basin outlet
- Rear conduit fixing



ECO ESP3TS

- Combination plate
- Basin & WC Touch Sensors
- Rear conduit (screwless fixing)



ECO VPBS17-AL

- Wall mounted basin outlet
- Projected flow delivery
- Rear conduit fixing
- Anti-Rotation Pins



Trans Sense Tile

- 'One Touch' or 'Non Touch' capability
- Vandal resistant hidden sensor
- Design choice for sensor ID



ECO VPBS12-AL

- Wall mounted basin outlet
- Secure rear conduit fixing

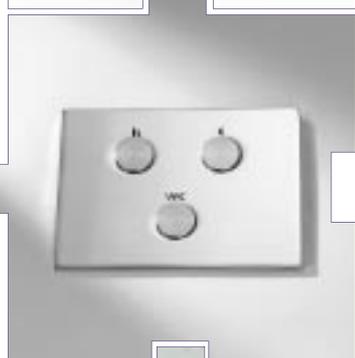
ECO 2ET41TS(PED75) Ultra

- Sensor pedestal
- Matching low profile
- Dual or single sensor option
- Basin or wall mounted



ECO VPBS15-AL

- Basin mounted outlet
- Unique low profile
- Angled projection options



Handwashing

Robust Basin Outlets & Sensors for Heavy Use Areas

Not all handwashing applications require anti-ligature features, but need to be robust to withstand heavy use. ECO-Logic has a wide range of electronic controls, sensors and outlets for both basin and wall mounting.

Sensor Housings

- **Wall/Panel Mounted Discs** - with conduits for rear fixing
- **Wall Plates** - with a choice of screw, or screwless fixings with conduits
- **Basin/Deck Mounted Pedestals** - stylish, solid brass housings for one or two sensors (can be adapted for wall or panel fixing)
- **Trans Sense** - 'Touch' or 'Non Touch' with totally concealed sensors

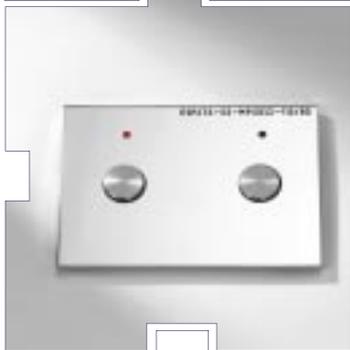


ECO ET43IR(D)

- 'Non Touch' Infra Red Sensor
- Variable range
- Secure rear conduit fixing
- Battery or Mains Power option

ECO Contour 175PL

- Sturdy wall outlet
- 175mm reach



ECO Sensor Plate

- One of a range of sensor plates
- Graphics and/or colour engraving
- Screwed or Screwless fixings

ECO Contour Outlet

- Basin mounted outlet
- Robust design
- Chrome or Brushed Nickle finish



ECO 2ET41TS(PED60)

- Pedestal mounted Touch Sensors
- Dual or single sensor options
- Solid, ergonomic design

ECO Spectre Outlet

- Stylish yet robust design
- Matching Bathfill Outlet



Trans Sense - Design Freedom

- 'Touch' or 'Non Touch' hidden sensor system
- Complete design freedom
- Sensor interface to suit user or application
- Colour, graphic, text and texture - you choose



Secure Basins

ECO-Logic Secure Sanitaryware

In public toilets, prisons, police detention areas, hospitals and schools the cost of broken sanitaryware and the resultant water damage caused by vandal abuse, runs into millions of pounds each year.

To combat this problem, ECO-Logic has identified a range of extra strong, vandal resistant basins, some of which include anti-ligature features as standard.

With a unique combination of secure sanitaryware, electronic water controls and sensors, ECO-Logic can provide a complete package for even the most demanding environments. Please contact us for details on the full range.

An Unrivalled Package of Secure Fixtures

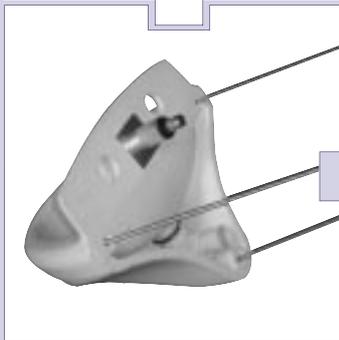
ECO-Logic Polymer Basins

A range of basins which are set within moulded tops, or bolted back onto the wall.



ECO-GYP-BS-AL

- Combines strength, durability, practicality and style
- Sleek satin finish
- Easy to clean
- Fire, chemical and stain resistant
- Easy to maintain
- Fully shrouded waste connections
- No sharp edges



ECO-GYP-BS/S-VP

- Wall mounted with shrouded, vandal resistant outlets
- Rear waste outlet



ECO-Logic Stainless Steel Basins

A range of basins with a high degree of security manufactured to meet UK and EU standards.



ECO-ELC-BS-43/38

- Shrouded waste and upstand
- Upstand can be fitted with ECO-Logic sensors and outlet



ECO-ELC-BS-4241

- Fully shrouded wall hung basin, complete with high security fixing system



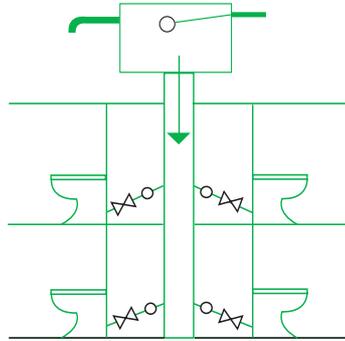
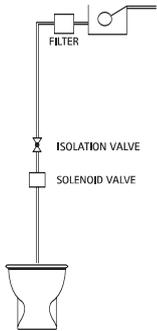
ECO-ELC-BS-4141

- Fully shrouded corner mounted basin
- The range includes stainless steel mirrors, shower trays, baths and water coolers

WC Flushing Systems

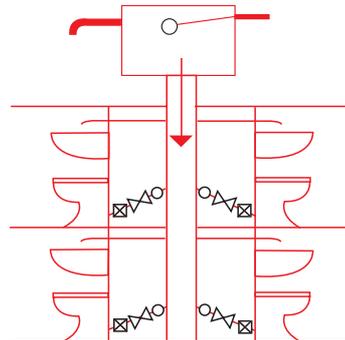
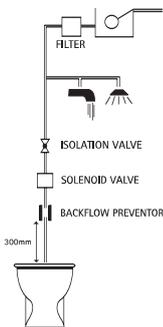
1. Dedicated down service tanks

DEDICATED TANK AND DOWN SERVICE FOR WC OR URINALS



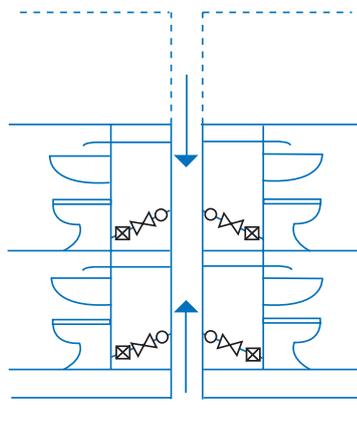
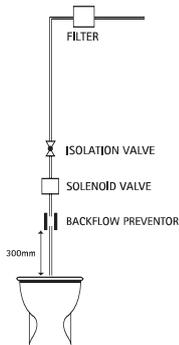
2. Common down service tanks

STANDARD DOWN SERVICE WITH BACKFLOW PREVENTOR NEEDED ON WC'S



3. Pressurised or mains systems

PRESSURISED SUPPLY



Flushing Systems

ECO-Logic offers a number of WC control options, including the unique ECO Pipetanks – vertical tanks ideal for space saving behind panel systems or in service ducts.

With our multi-channel controls we can meet virtually any design demand, and this flexible approach could help save footprint space, and of course construction costs.

Design Flexibility – Sensor Choice

The use of electronics enables the separation of the flushing valve, electronic controller, the sensor and the water storage/tanks. This allows one tank to serve several WCs. ECO-Logic offers 'Touch' or 'Non Touch' systems with single or dual flush options. Additionally, we combine sensors for WC flushing and handwashing on one sensor plate.

Electronic Flushing Solutions

- Rapid repeat flushing – ideal for busy toilets
- No local cisterns or tanks – more security and less flood risk if damage occurs
- Reduced water storage – more economic and less maintenance
- Less pipework – space saving and easier installation

1. Dedicated down service tanks

Dedicated tanks can be either large remote tanks, or smaller local tanks close to the WCs. ECO multi-channel controllers can control several WCs, with a range of valves to suit different water pressures.

2. Common down service tanks

Where tanks will serve mixed outlets besides the WCs, the installation will require a back flow prevention fitting on the WC or urinal feed pipe. Contact us for installation details.

3. Pressurised or mains systems

Rotary time settings on ECO controllers allow easy and accurate setting of flush volumes to comply with Bye laws, and to accurately match site pressures through the building. Further adjustments are easily achieved if conditions change – say during the course of a long term maintenance or PFI agreement. (Contact us for installation details and flow graphs.)

4. ECO Pipetanks

A vertical flushing tank (see page 10).

'One Touch' Sensor Systems

ECO-Logic has two options: 'Touch Sense' - a solid state, high strength sensor or 'React' - a switch sensor with a light press action.

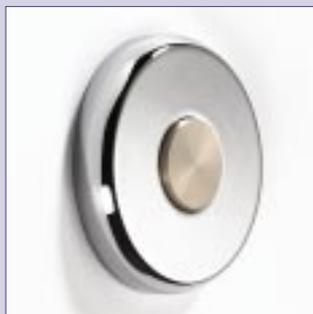
Both sensor types can be disc or plate mounted, and can have rear fixings to suit a variety of wall/panel thicknesses. We offer a single flush, or a 'Full' and 'Economy' flush option.

Plates can be engraved with graphics, letters and/or colour to suit the user. The flexibility of electronic controls also enables combination plates to be used i.e. a WC flush sensor with Basin sensors on the same plate (as shown).

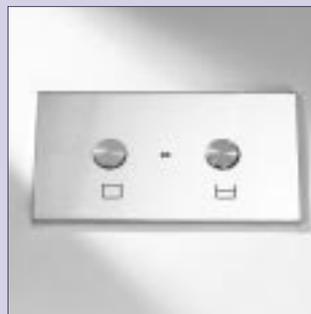
React Sensor Disc



Touch Sensor Disc



Dual Flush Plate



Combination Plate

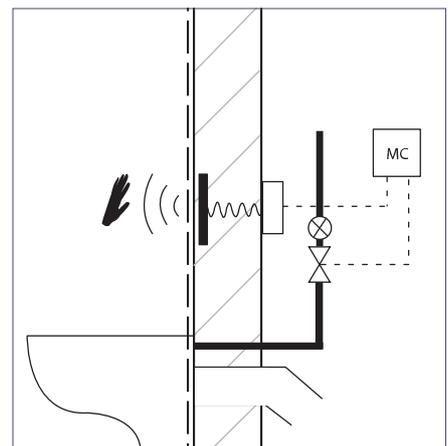
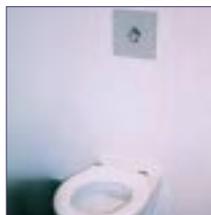
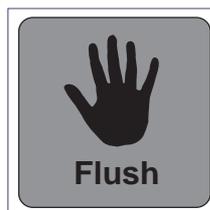


'Non Touch' Sensor Systems

1. Trans Sense WC Flush Sensor

This unique system can double as a 'Touch' or 'Non Touch' close proximity sensor. The sensor is hidden behind the wall/panel surface, making it the perfect system for flushing in vandal prone areas.

- Totally concealed sensor
- Ultra hygienic
- Vandal resistant & anti-ligature
- Graphic design freedom
- Space saving



2. Infra Red WC Flush Sensor

This system can work with any of the flushing systems shown on page 8. The infra red sensors can be mounted in a variety of ways, but usually on a disc for rear fixing through the wall or panel.

- Variable sensitivity - usually close proximity
- Variable flush times - to suit water pressure & WC pan design
- Very hygienic



Although we have two sensor systems for Non Touch operation, we advise caution when selecting IR for vandal prone areas, where the Trans Sense system is usually preferable. (see above).

ECO Pipetanks & WCs

ECO Secure WCs

New to the UK market, this unique vandal resistant pan comes in several versions, one with an anti-ligature rimless flushing design. Combining strength, durability, practicality, style and comfort, the pans are stain and chemical resistant, and also fire retardant.

A moulded seat eliminates the constant problem of replacement and repairs. A satin finish allows for easy cleaning, making this a long term maintenance-free installation.

Each pan is constructed with a permanently sealed pan connector outlet and flush pipe inlet, preventing leaky connections, and the wide moulded waterways help prevent blockages.

Anti-Vandal WC Medium Secure



ECO-GYP-WC-VP

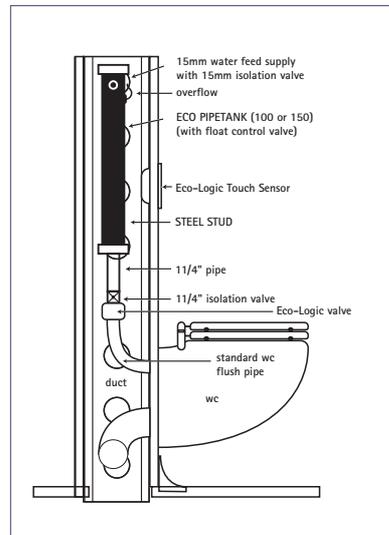
Anti-Ligature WC High Security



ECO-GYP-WC-AL

ECO Pipetanks

An example of ECO-Logic innovation and commitment to providing efficient and economical solutions is the vertically mounted, space saving ECO-Pipetank range. Available in single or double WC flush capacities, these units are ideal for ducted installation or concealed panel systems, where space is at a premium.



ECO Pipetank 160

ECO-Logic can supply a range of high quality stainless steel sanitaryware. Carefully made to exacting standards, these units have a long history of successful, trouble-free installations.

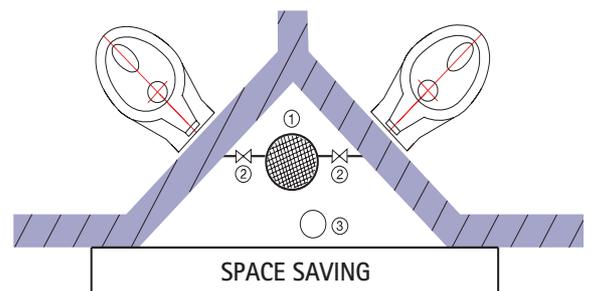


ECO-ELC-WC-40



ECO-ELC-WC-162

1. ECO Pipetank 160 (for 2 WCs)
2. 35mm ECO Solenoid Valve
3. Soil Stack



Secure Electronic Systems for WCs

ECO WC systems reduce the opportunity for vandalism or drug concealment because they can operate without a cistern using pressurised systems, mains or remote tanks (see page 8).

We can supply stainless steel waste interceptor chambers to enable checking drug/package disposal. (Ref: ECO-ELC-145/147) Additionally, blockage detection systems are available (see page 15).

For more details on the ECO-Logic Secure Sanitaryware range call 0121 766 3016.

Urinals

ECO-Logic Urinal Flushing Systems suit both UK and European modes of operation. From cistern controllers for troughs, multiple bowls or slabs to individual bowl flushing using timed release or 'per visit' flush cycles, we have the solution.

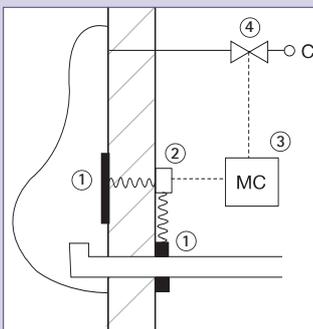
Eliminating the necessity for higher voltage systems and pressure drop devices, the ECO-Logic family of water controls work on low voltage 6vDC for safety (either battery or reduced mains power). Designed for ease of installation by a single trade, they are the most cost effective devices on the market today. Providing 70-90% savings over uncontrolled fittings, installing a proven water management control system makes sense.

Bowls

ECO EU13CT Trans Sense Controller



This easy to install sensor system is concealed behind the bowl and when used, initiates the flush cycle for that bowl alone, independent of other bowls in the range. This is a highly water efficient, hygienic and totally vandal resistant flushing system, with long term maintenance benefits.



- 1 Sensor material positions and pipe clamps
- 2 Sensor Box
- 3 Trans Sense Controller
- 4 Solenoid Valve

Cisterns

ECO EU9 PIR CONTROLLER



This PIR controller fits neatly on the ceiling or side walls, and senses the approach area in front of the urinals. The frequency of flush cycles is fully adjustable to meet Bye-law demands, and push button commissioning and set up makes for very simple installation. Battery life typically 4-5 years.

ECO EU10 PIR CONTROLLER



This version is for concealed ceiling mounting. The PIR detector is mounted in a thin disc of high density polyethylene and secured in the ceiling. The fixings and controls fit into the ceiling void out of sight.

ECO-Logic Secure Urinal Bowls

Our range of heavy duty, vandal resistant urinal bowls and troughs make perfect partners for ECO Urinal Flushing Systems. The materials used are polymer composites and high grade stainless steel. There are other designs available, for more details contact Sales on 0121 766 3016.



ECO-GYP-UR-AL

- Smooth, easy clean, satin finish
- Concealed water & waste connections
- Bolted rear fixing, ensures security & accessibility
- High strength, durable & corrosion-free
- Fire, chemical & stain resistant

ECO-ELC-UR-345

- Unique design for maximum security
- Totally concealed waste connection
- Quality material AISI 316



Shower Sensors

ECO-Logic provides an extensive range of heavy use, vandal resistant shower controls, encompassing both flow control and water temperature control. Linked to 'Touch' or 'Non Touch' sensors, ECO electronics can be configured to control flow times, engage safety temperature cut-outs, lockouts and cleaning systems. With a wide range of secure sensor housings and anti-ligature shower outlets, ECO-Logic systems satisfy the most demanding installations.

Disc



Solid brass discs, secured from ducted space by conduits made to required length. Touch and Infra Red sensors available.

Plate



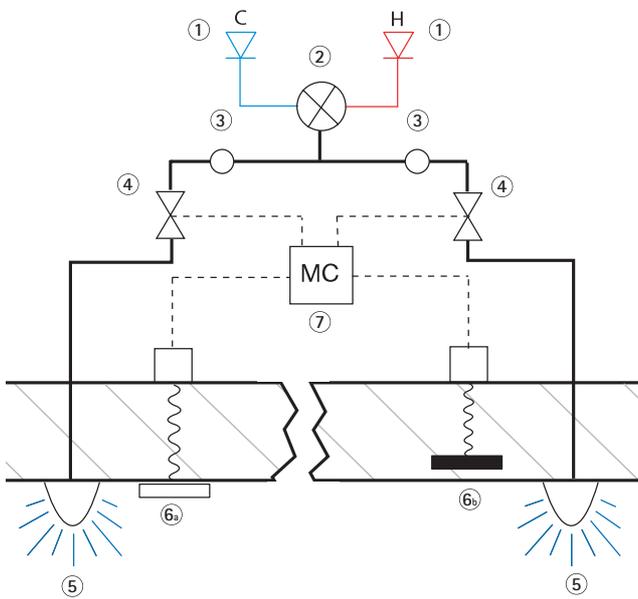
A solid brass plate that can be supplied pre-drilled for screwed fixing, or screwless with a conduit for rear fixing. (Security screws supplied by client).

Trans Sense



This unique 'non touch' (close proximity) sensor is concealed behind the finished surface making it totally secure. The tile or graphics used to identify the 'target' area to the user is the designer's choice - words, pictures, colours & texture.

Shower Schematic



1. Isolation Valve with Strainer
2. Thermostatic Mixing Valve
3. Isolation Valve with Flow Regulator
4. ECO-Logic Solenoid Valve
5. Anti-Ligature, Anti-Vandal Shower Head
- 6a. ECO-Logic Touch Sensor Disc
- 6b. ECO-Logic Trans Sense Sensor
7. Multi-Channel Controller

Compact-S-AL



A combination of thermostatic shower temperature control and Touch Sensor, with an anti-ligature temperature control knob. The high quality mixer* is securely held in the duct space and supported on brackets. *Meeting Type 2 or DOH/ Type 3 specifications.

Safe Showering



Water temperature control can be thermostatic* and additionally, for added safety, can incorporate an electronic second safety 'cut out' option. By sensing the temperature of the blended water, the electronics disable if an overshoot (above those preset) is detected, shutting flow down. *Meeting Type 2 or DOH/ Type 3 specifications.

Shower Outlets

Anti-Ligature/Vandal Resistant

ECO-Logic manufactures a range of brassware that is vandal resistant and non-ligature, and has been specially designed in response to the number of incidents involving self-harm in custodial environments. It is robust enough to withstand attack by even the most determined assailant and is impossible to dismantle and use as a weapon. All shower heads can be secured through ceilings, panels and walls and conduits can be made to suit requirements.

Wall/Panel Mounted



ECO VPS11-AL

Ceiling Mounted



ECO VPS13C-AL

Pre-Plumbed Panel



ECO VPS19P-AL

The pre-plumbed stainless steel unit has options for top or concealed back entry, and features our secure shower head and touch sensor. These units have security screws as standard. Shower times can be set to management requirements. Surface pipework concealment is possible with a matching profile cover. Electronic control can be individual or for multi-panel installations.

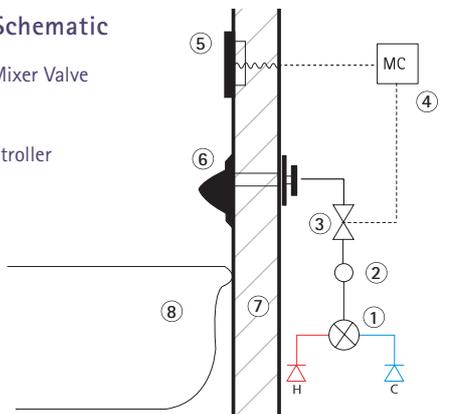
ECO-Logic Solutions for Bathfilling

Many secure environments (including detention and mental healthcare) require safe bathing with secure operational function and safe temperature delivery. ECO-Logic Bathfill Controllers meet these demands and can deliver a variety of features including temperature and level control (with added options for electronic temperature monitoring and safety cut-outs), secure key operated switches, lockout systems and remote controls.

ECO-Logic Bathfill controls use solid state Touch Sensors and are plate mounted. New additions to the range include the Compact-B(AL) and Compact-2B(AL), featuring 'through-the-wall' thermostatic control and linked with touch sensors. The Thermostatic Mixer Valve (meeting Type 2 or DOH/ Type 3 specification) is securely installed in service ducts, and the user alters the temperature via an anti-ligature control knob - see Showers page 12. ECO-Logic also offers a range of stainless steel baths.

Installation Schematic

- 1 Thermostatic Mixer Valve
- 2 Isolation Valve
- 3 Solenoid Valve
- 4 ECO-Logic Controller
- 5 Sensor Plate
- 6 Secure Outlet
- 7 Panel
- 8 Bath



ECO VPB14-AL

- One of a range of Bathfill Controls
- Choice of fill levels and optional temperature display
- Secure anti-ligature bath outlet

Additional Control Systems

ECO-Logic is an electronic water control specialist, and our designs enable additional control systems to be included into water management schemes. 'Lockout' Systems enable Facility Management to maintain control over water resources at times of misuse, accidental or deliberate damage, or to assist with maintenance work. ECO-Logic has four basic approaches to lock-out systems:

Lockout Switch - Control Box



All ECO Controllers have short anti-tamper programmes to prevent overuse at individual outlets and can be fitted with a manually operated On/Off switch to close down all outlets in the event of misuse or maintenance.

Maintenance and Cleaning

A three position On/Off/Disinfection switch is also available, which can be housed separately to aid maintenance and cleaning.

Position 1 Normal Operation

Position 2 Closes all solenoid valves to outlets.

Position 3 Opens all solenoid valves for flushing, cleaning or chlorination of the pipework system, including the outlets. This is not possible automatically with any mechanical valves or mechanical time flow valves.

Multiple Lockout Switch Plate



For multiple accommodation, like prison cells and secure hospital rooms, a number of ECO Controllers can be linked to a multi-switch lockout board sited in a supervisor's office, nursing station or prison officers control room. In this way whole areas, floors or particular rooms can be isolated quickly and safely.

Fob Switch



This is a separate key operated switch to isolate controllers or outlets. It is connected to the controller but housed separately. Two types are available - key operated or magnetic latching.

Flood Sensor



The ECO-Logic Flood Sensor is another form of lockout switch linked to the ECO Controller which closes all water flow when a 'flood' level is reached (approx 2mm). Encased in stainless steel, the unit fixes at low level to the wall and is protected from normal cleaning regimes.



ECO-Logic Shutdown Controllers

A range of automatic and manual shutdown controls designed to close down hot and cold water services to buildings or individual areas, such as washrooms, shower areas or laboratories when unoccupied. These controllers eliminate water waste and damage caused by water fittings left running, or leaking due to vandalism.

- Fully automatic PIR sensor system
- Shuts off water when a building/area is not occupied
- Can provide automatic 'shut off' frost protection
- Operates 24 hours a day, 365 days a year. No time clocks to reset
- Powered by a long-life 6vDC battery or mains power transformer
- Can control single or multiple pipe supplies. Large range of valve sizes upto 50mm

Available as a manually controlled system, using secure touch sensors, key switches or latching switches that can be used by a responsible person to lock on/off the water supply.

Tank Water Monitoring System



This monitoring system provides accurate and efficient control of water storage levels and temperatures to customer's preset levels, leading to improved water efficiency and Health and Safety compliance.

The controller reduces unnecessary water storage and stagnation risk. Set up to reflect management requirements, they can be easily adjusted to reflect seasonal or demand patterns. The status is shown on an LCD screen or linked to a Building Management System (with suitable software).

An 'auto drain' and replacement control will engage for a limited time if cold water storage temperatures are exceeded. The excess parameters can be set between 18-25 deg C.

WC Blockage Alert

Installing an ECO Trans Sense Blockage Alert System makes for easier management of this unpleasant occurrence. By sensing the flow from the WC, the sensor gives a 'clear' or 'close' signal to the solenoid valve controlling the incoming water. If no flow or only seepage flow is sensed, the sensor closes the solenoid valve preventing further water flow into the WC, reducing flooding. The sensor can also be used to trigger an 'alert' to a control room or BMS System. The system can link all ECO WC Flush Controllers (see page 9) and can be used with other WC cistern installations.

Concealed Cell Call Alert

By using our ECO Trans Sense sensor system concealed within a wall or behind a service panel, the user can alert the control room that assistance is required. This proven system is vandal proof and can run several cells, linking with either alert lights or voice communication systems. Phone 0121 766 3016 for more details.



En-suite Modular Construction

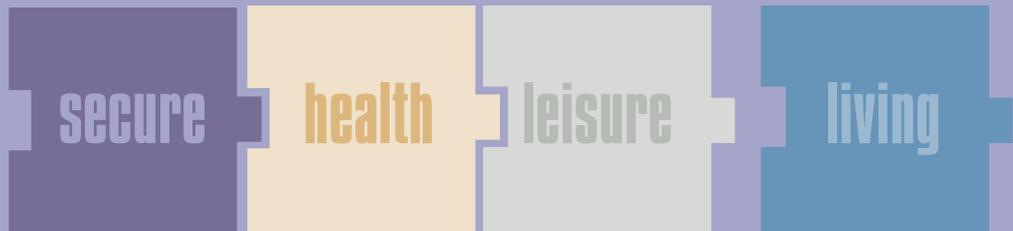
ECO-Logic is an experienced partner for your design team when discussing pre-assembled accommodation modules. Offering outstanding flexibility, unique energy conscious controls from ECO-Logic deliver robust, low maintenance and cost effective designs.

ECO-Logic sensor systems allow the user full control of his en-suite facility whilst ensuring high levels of discreet management control. Light and extractor fan controls, lockout systems, flood sensors and WC blockage alerts can also be included.

Additional space can be found by using the unique ECO Pipetank (as shown) with our WC flushing systems. (see page 8).

All ECO-Logic controllers and sensors carry a 5 year guarantee and a long, trouble-free life is our design objective.

other ecologic portfolios are available;



call us for more information on 0121 766 3016
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