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eco-logic

electronic brassware and water controls

the healthcare portfolio

water management for **CARE ENVIRONMENTS**

Hygienic, easy to use controls, delivering safety, water efficiency and low maintenance.

ECO-Logic Control Systems

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Washroom products specified for healthcare, whether for patients or care professionals must support hygienic and easy-to-clean environments. Particularly where patients are concerned, they must also be safe and simple to use. Today's healthcare also demands water and energy efficiency, durability and low maintenance.

Fulfilling these criteria, ECO-Logic 'Non Touch' and 'One Touch' electronic controls allow 'Management Control' of all sanitary facilities including basins, sinks, showers, baths and WCs. Each facility, whether in a communal space (ward, washroom, toilet) or within a specific room (side-ward, bedroom, ensuite) can be individually programmed to suit specific needs. Appropriate run times, fill levels, and water temperature limits can be selected by care managers.

ECO-Logic also has an extensive range of fittings and the capacity to develop special designs. Developed in close consultation with specifiers, this flexibility marks ECO-Logic out from other brassware manufacturers.

Principle of Control

The user simply operates the outlet by a 'Non Touch' or 'One Touch' Sensor, which activates the solenoid valve via an ECO Controller, releasing water to the outlet.



Hygienic and Easy to Use

Whether using hands free automatic sensors or 'One Touch' sensors with an automatic stop operation, hygienic sanitary controls are critical. ECO-Logic controls meet ease-of-use requirements and are fully adjustable to user and management needs.

ECO-Logic sensors can be separated from the outlet offering complete design flexibility. The sensors can be mounted on taps or sensor pedestals, or on wall mounted discs or plates in the most convenient position for the user. They can be engraved with colour, graphics or text to aid understanding.

Safe, 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 in case of mains power failure or maintenance. Typically a battery life of 3-5 years can be expected but in busy environments with 24 hour demand, ECO transformers are advised.

ECO-Logic electronics all have retained programme memory i.e. they do not need re-programming following power failure or maintenance.

Cost Effective Installation

ECO-Logic systems have very low maintenance requirements because the solenoid valve is the only working water fitting and is easily cleaned/checked. The valve opens and closes in response to the sensors and controllers.

The controls can be installed and commissioned in minutes usually by a single trade. We offer a pre-fitted wiring loom, which delivers all the cables with easy snap-lock sockets and the relevant labels attached. This facility offers time and cost savings for both installers and maintenance teams.

Designed for Healthcare

- | | |
|----------------------|------------------------|
| General Hospitals | Health Centres |
| Mental Health | Nursing Homes |
| Maternity Units | Home Care |
| Operating Theatres | Areas for the Disabled |
| Children's Hospitals | Private Clinics |
| Specialist Care | Surgeries |

Management Input

ECO electronic controls can be set up to exactly match user and management needs (i.e. run time, fill level, flush frequency and water temperature monitoring) and can be easily changed to suit alterations in usage. The ECO-Logic 'Total Management Control' principle ensures water efficient installations that keep costly water wastage to a minimum. Lockout Systems are available for care environments which require water to be switched off quickly for patient protection (see page 13).

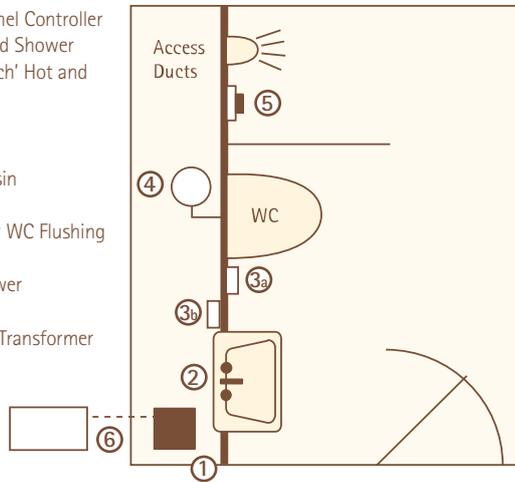
Guarantees

All ECO-Logic electronic control systems are designed, manufactured and tested in the UK. They meet British and European standards and have CE and WRC approvals.

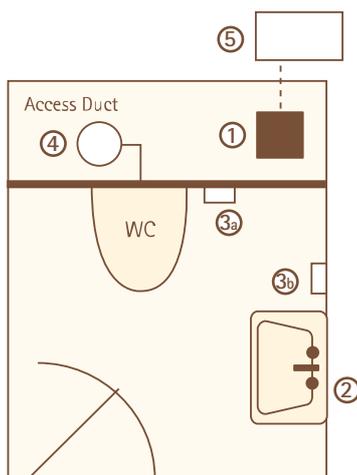
- 5 Year guarantee on Micro-Processors and Sensor Electronics
- 2 Year guarantee on Solenoid Valves if protected
- 1 Year guarantee on Brassware and Fittings

Typical Ward Shower Room & Toilet

1. ECO-Logic Multi-Channel Controller for Basin (H&C) WC and Shower
2. Automatic or 'One Touch' Hot and Cold Basin Sensors
- 3a. Automatic WC Sensor (Single or Dual flush)
- 3b. As 3a, but closer to basin
4. ECO Pipetank for WC Alternative supplies for WC Flushing (see page 10)
5. ECO Thermostatic Shower (Super 7 or Super 5)
6. ECOTrans (230v/6vDC) Transformer with Battery Backup

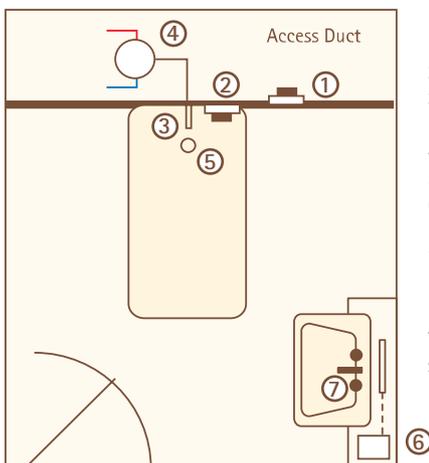


Typical Toilet & Basin



1. ECO Multi-Channel Controller for Basin (H&C) and WC
2. Automatic or 'One Touch' Hot & Cold Basin Sensors
- 3a. Automatic WC Sensor (Single or Dual Flush)
- 3b. As 3a, but closer to basin
4. ECO Pipetank for WC Alternative supplies for WC Flushing (see page 10)
5. ECOTrans (230v/6VDC) Transformer with Battery Backup

Typical Bathroom



1. Thermostatic ECO Sensor or Superior Bathfill Controller*
2. Blender Valve Option
3. Bath Outlet - Wall/Deck Mounted
4. Thermostatic Mixer Valve
5. Electronic Waste Plug Option
6. Automatic (H&C) Basin Controller & Sensors; or 'One Touch' Sensors
7. Basin Outlet - Wall/Deck Mounted

*For secure bathfill and showering, see page 8.

ECO-Logic is a digital water control specialist, with an extensive range of controllers and sensor options.

Unique flexibility - whether for automatic 'Non Touch' sensors or 'One Touch' sensors with auto-stop, ECO-Logic has the solution. We have a wide range of sensors and housings to suit virtually any installation. Sensors can be separated from the water outlet which provides more secure fixing options and positional benefits for the less able user. Furthermore, each sensor and controller can have their own operational programme to suit the user and building management and can be adjusted to changing demands.

This flexibility can offer considerable cost savings in construction, space, installation and maintenance.

Types of ECO-Logic Controllers:

1. Individual

- Each outlet has its own sensor(s) controller & 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 changing washrooms and public toilet areas.
- Serving a number of different outlets
i.e. a basin, a shower and WC. These are ideal for en-suite bathrooms, general bathrooms or toilet rooms with basins.



We offer:

- Design Advice
- Product Refinement
- Installer/Maintenance Training
- Commissioning Services
- Complete Supply Packages With PODs & Secure Sanitaryware

Handwashing

Automatic 'Non Touch' Taps

Hand hygiene in care environments has always been a high priority, but due to MRSA concerns it is now vital. Automatic electronically controlled brassware dramatically improves the effectiveness of cross contamination prevention and allows specifiers to break from the convention of always placing water controls and outlets together. Separating the outlets from the sensors makes design sense because they can be individually rear fixed on basins or walls in the most convenient position for the user.

ECO Trans Sense



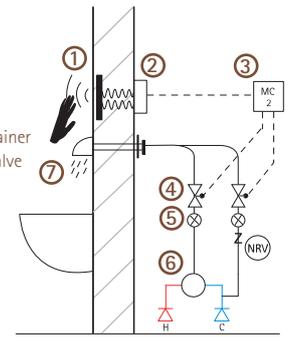
ECO-Logic Trans Sense Sensors are totally concealed and specially designed to sense 'through-the-wall' or finished surface i.e. tile, wall panel or glass. The user simply places their hands close to the 'target area' to start and stop flow; or alternatively auto-stop will occur after the management set run time. If preferred fixed flow times can be set.

This system is unique because the user can either 'Touch' the target surface, or place hands close for a 'Non Touch' close proximity option.



Typical Layout

- 1 Sensor Target (H&C)
- 2 Sensor Box
- 3 ECO-Logic Controller
- 4 Solenoid Valves
- 5 Isolation Valves & Strainer
- 6 Thermostatic Mixer Valve
- 7 Basin Outlet



Leading Edge Technology

- 'Non Touch' close proximity operation
- 'One Touch' control option
- Highest standards of hygiene
- Cost effective long-life installation
- Pre-selected flow times
- Complete design freedom
- Display your choice of graphics
- Totally anti-ligature and vandal resistant



The Trans Sense System can control all sanitary items (including WCs, urinals, and showers), without any visible plates or switches on the surface, offering complete design freedom and the highest standards of hygiene and security.

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

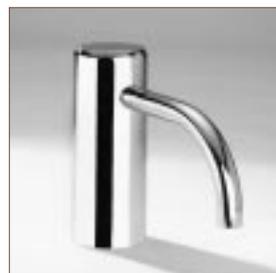
Basin Outlets



ECO Contour



ECO Spectre



ECO Spectre-R



ECO Simplicity (150P)



ECO Classic

ECO Infra Sense

'Non Touch' Infra Red technologies are well proven in healthcare. Moving hands into or out of the sensor range turns the tap on and off. If preferred, outlets can be set for fixed run times with an auto-stop and adjustable run-on times to allow the basin to be rinsed. Thermostatic Mixer Valves are available for pre-blended water.



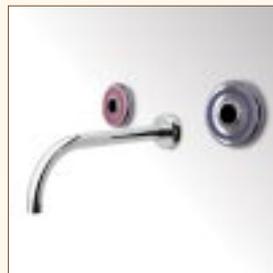
ECO ET42IR Contour

- Ring mounted sensor
- Variable sensing range
- Choice of outlet designs



ECO Infra Sense Disc

- For use with any outlet
- Variable sensing range
- 'Through-the-wall' fixing



ECO Hot & Cold IR Discs

- Shown with Simplicity 150PL
- For use with any outlet
- Variable sensing range



ECO ET42IR(PL70/190)
Simplicity 150PL

- Combined Sensor & Outlet
- Wall Mounted Plate

'One Touch' Sensors with Autostop

All these sensors can be setup with an auto-stop facility and are available in discs, pedestals and a variety of plate mounted options. These sensor systems are ideal for timed run-fill applications for basins, sinks, sluices, washdown units and kitchens.

ECO Touch Sense

A tough solid state sensor.



ECO 2ET41TS(PL190/60)



ECO 2ET41TS(PED60)

ECO React Sense

A light press action switch.

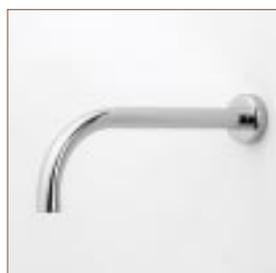


ECO ET45TA(D50)



ECO ET45TA(PL)

Secure Outlets for Self Harm Prevention



ECO Simplicity (150PL)



ECO Simplicity (175PL)



ECO VPBS12-AL(17)



ECO VPBS17-AL



ECO VPBS15-AL

Safe Bathing

Bathing is an important part of health, well being and recuperation. In care environments these controls must be simple to use and ensure safe operation with anti-scald controls. Meeting this need ECO-Logic Bathfill Controls can be operated by easy-to-use touch sensors, or by staff operated lockout switches, or remote systems for extra security. A variety of graphics, colour and text can be used on the sensor plates to aid understanding.

ECO Superior



This is our ultimate Bathfill range packed with innovation. Every option is catered for - even remote control. Water temperature control is ensured by digital controls driving thermostatic mixer valves to select a number of preset temperatures for bath and shower.

ECO Senator



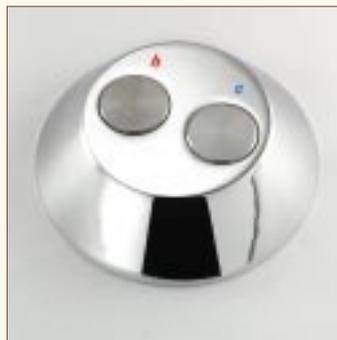
This controller operates with separate safe temperature control, with thermostatic mixers and optional blending valves whilst retaining double scald prevention. Diverts to shower and automatic waste plug controls can form part of the product.

ECO Select



This range includes a more basic selection of sensors for installations where only limited functions are needed. This bathfill plate has two fill level options with an auto-stop facility. Water temperature is preset via thermostatic mixer valves (see page 7) to the management's choice and the screwless plate is secured from the rear with conduit fixings.

ECO 2ET41TS(PED75) Ultra



An anti-ligature pedestal with hot and cold sensors, or alternatively a half fill and full fill bathfill selection. All have timed flow control and an auto-stop facility at levels that are preset by management.

ECO Compact-B(AL)



This unique wall mounted bathfiller has an anti-ligature easy-grip temperature control knob, linked directly to a recessed Thermostatic Mixer Valve (Type 3 DO8 NHS Approved). Bathfill is started by a Touch Sensor and stops automatically at the pre-selected level (a tamper-proof 'refill delay' setting is optional). Other features can include a divert to shower, and a 1/2 and full fill sensor option - all thermostatically controlled.

High quality safety features can include:

- Double scald prevention
- Safe temperature adjustment
- Run time/Fill level control
- Anti-tamper prevention
- Automatic waste plug
- Remote supervised controls
- Lockout facilities



Master Mixing Valve NHS
15/22mm Connections



Scald prevention in care environments is taken very seriously due to patient vulnerability and the devastating effects of scalding.

Thermostatic Mixer Valves for installation within care buildings are required to perform to exacting standards and receive regular testing to ensure continued performance. ECO-Logic use valves tested and approved by WRAS and fully comply with NHS standards.

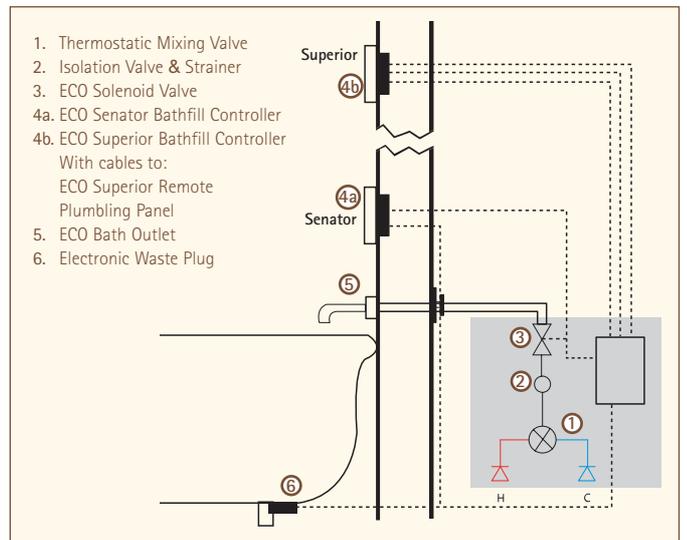
- WRAS approved to NHS model engineering specification DO8 Certificate 0301048
- Build cert approval certificate ETC/220/0603
- Guaranteed for 12 months from delivery
- See page 9 for ECO-Logic's TMV Testing Facility

Additional Safety

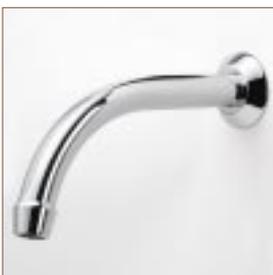
ECO-Logic Bathfill and Shower Controllers have electronic temperature monitors which memorise the maximum water temperatures that must not be exceeded. If, for whatever reason, the maximum is reached, the ECO Controller instantly shuts down flow until a safe temperature is restored. This unique feature safely reduces scald risk.



Bathfill Schematic



Bath Outlets



ECO Contour (175PL)



ECO Spectre Range



ECO Classic



ECO VPB14-AL



ECO Combined
Outlet/Overflow

Safe Showering

ECO-Logic has an extensive range of shower controls to suit virtually any requirement. Using 'One Touch' or 'Non Touch' sensors, ECO-Logic can control flow times, engage temperature safety cut-outs (see Page 7) and enable temperature adjustment by blenders using knobs, levers or electronic touch systems. Additional controls provide anti-tamper and vandal resistance, lockouts and pipe and shower head cleaning systems (see Page 13).



Compact-S(AL)

- High quality thermostatic controller
- User selects temperature and flow time
- Controls hidden behind panel or in duct
- Unique solution for vandal prone areas
- Choice of control knob designs



Super 5 Showers

- High quality thermostatic controller
- Choice of shower times and auto stop
- 2nd safety cuts out to prevent scalding
- Choice of control knob designs
- Complete with plumbing panel



Super 7 Showers

- Fully digital thermostatic controller
- Preset or variable temperature selections
- 2nd safety cuts out to prevent scalding
- Remote control option
- Remote plumbing panel

Showerheads



ECO Spectre

- Robust showerhead – adjustable angle
- 'Through-the-wall'/panel mounting
- Solid brass construction



ECO VPS11-AL

- Vandal resistant and anti-ligature
- 'Through-the-wall'/panel mounting
- Anti-rotation pins



ECO Pull Out Shower

- Options for deck or wall fixing
- Standard or Micro shower heads
- Choice of hoses



ECO Riser Bar

- Full height adjustability
- Multi-angle handset holder
- Wall angled hose connector

Automatic 'Non Touch' Sensors



Infra Sense Disc

- Variable range
- Secure rear conduit fixing
- Auto-stop as standard



Trans Sense

- Sensor securely hidden
- User interface – your choice
- Auto-stop as standard

'One Touch' Sensors



Plate

- Screwed or screwless fixings
- Graphics or colour engraving
- Auto-stop as standard



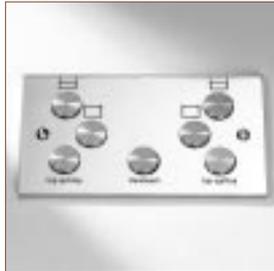
Touch Sensor Disc

- Rear conduit fixing
- Choice of modes
- Auto-stop as standard

Other Clinical Areas

ECO-Logic electronic controls provide solutions for specialist areas. The unlimited flexibility of the ECO Multi-Channel Controller and Sensors means that we can adapt control systems to meet any requirement. We deliver practical, time saving and water efficient controls that are hygienic and easy to clean.

Consultants, Sinks & Laboratories



Flexible Approach

Full hot and cold water is available on the sensor plate, and for handwashing, tempered water temperature is offered via a thermostatic blender valve. This plate has two pre-set fill levels for hot and cold water and a separate dual function top up/stop sensor allowing flow to be stopped at any time.

Each Sensor can be set to meet specific flow requirements and all have an automatic stop facility. Variations on the plate and sensor arrangements can be designed to suit, including 'Non Touch' solutions.

Surgeon's Scrub-ups



Sensor Choice

Surgeon's scrub-up wash points require a very hygienic approach, with simple to operate flow and temperature control. ECO-Logic Trans Sense 'Non Touch' sensors allow users to start and stop flow by close proximity sensing, with an automatic stop after the pre-selected run time. Most importantly because the sensors are concealed behind the surface this system is ultra hygienic and easy to clean.

Both ECO Trans Sense and Infra Sense can fit onto upstands or downstands at the wash trough or basin, and both are rear fixed without visible screws. If variable temperature choices are required we have lever operated systems, or electronic 'One Touch' options.

Cleaner's Sinks



Kitchen Sinks

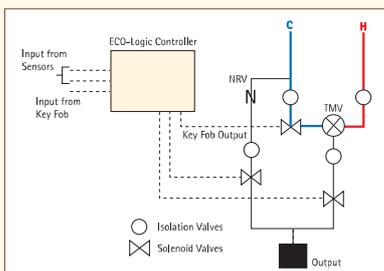


Clean Solutions

The Cleaner's Sink has hot and cold water sensors, with a choice of half and full fill (based on timed flow) which can be set up to suit. Operators simply touch the sensor to start and flow stops automatically after the chosen set run time, alternatively a second touch will stop flow at any time.

Kitchen Sinks consume large quantities of water - with high levels of water wastage, especially heated water. ECO-Logic controls offer convenience and practical benefits when filling sinks or saucepans. Simply touch the sensor to start and flow stops at the pre-selected level automatically. Different pre-set levels can be included on the plate according to the most commonly performed tasks. In busy kitchens, overfills caused by lack of supervision can be drastically reduced.

ECO-Logic assist TMV Testing



The prevention of scald risk, using TMV's for safe handwashing, bathing and showering, has presented Building Management with the time consuming task of regular testing and maintenance programmes.

Electronic controls save time and ongoing maintenance costs because they can easily shut down cold water supplies to TMV's when testing anti-scald closure performance. Testing personnel start flow by using the Hot outlet sensor, then use the protected key fob against the special sensor to close the Cold water solenoid on the TMV inlet. This saves the huge amount of time that would be needed to individually access and close isolation valves manually.

Flushing Systems

Electronic WC Flushing Systems

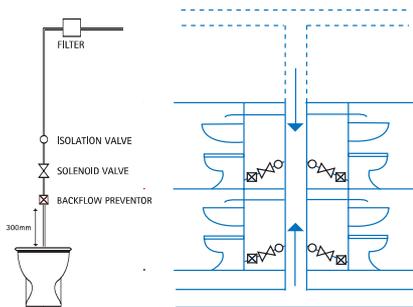
ECO-Logic offers a number of WC control options, including our unique ECO Pipetanks – vertical tanks ideal for space saving behind panel systems or in service ducts. The use of electronics enables the removal of the WC cistern, and the provision of a separate flushing valve, electronic controller, sensor and water storage tanks. This allows one tank to serve several WCs. We offer 'One Touch' or 'Non Touch' systems and we can combine sensors for WC flushing and handwashing on one plate.

- Rapid repeat flushing ideal for busy toilets
- Pre-set flush delays optional
- No local cisterns or tanks – more security and less flood risk
- Reduced water storage – more economic and less maintenance
- Less Pipework – space saving and easier installation



1. Pressurised or mains systems

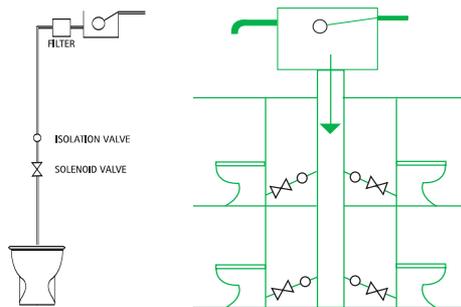
PRESSURISED SUPPLY



Rotary time controls on our controllers allow easy and accurate setting of flush volumes to comply with Bye-Laws, and to accurately match site pressures throughout the life of the building.

2. Dedicated down service tanks

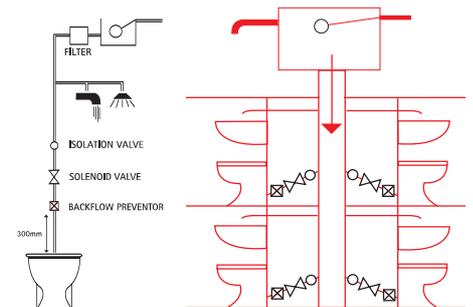
DEDICATED TANK AND DOWN SERVICE FOR WC OR URINALS



Dedicated tanks can be either larger remote or smaller local tanks, close to the WCs. Our multi-channel controllers can control several WCs and we have a range of valves to suit pressure variants.

3. Common down service tanks

STANDARD DOWN SERVICE WITH BACKFLOW PREVENTOR NEEDED ON WCs



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.

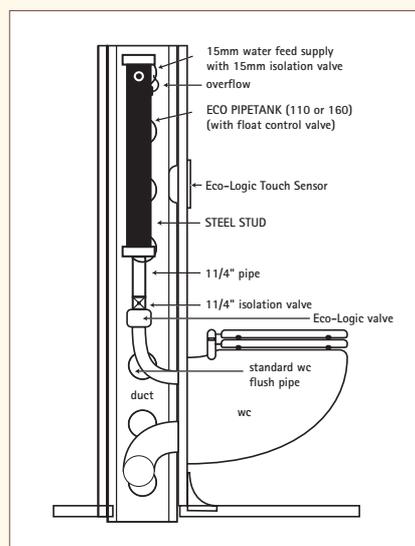
ECO Pipetanks

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

ECO Pipetanks are delivered with a pre-fitted float control valve, overflow and outlet connections and support brackets.

The ECO Pipetanks require an ECO D8 35mm valve.

All ECO Solenoid valves are WRAS approved.



ECO Pipetank 110
(1 No WC)



ECO Pipetank 160
(2 No WCs)

Automatic 'Non Touch' Sensors

ECO-Logic automatic 'Non Touch' sensors are ideal for toilet areas where high standards of hygiene and cleaning are priority.

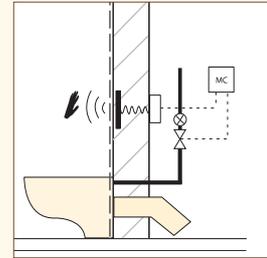
Infra Sense WC Flush Sensor

This proven system can work with any of the flushing systems shown on page 10. 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.



Trans Sense WC Flush Sensor

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



'One Touch' Sensors

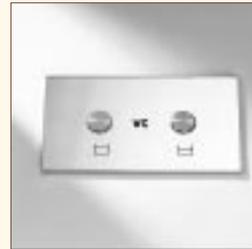
ECO-Logic has two options: 'Touch Sense' - a solid state, high strength sensor with an extra thick surface, or 'React' - a switch sensor with a light press action. Both sensor types can be disc or plate mounted, and can have rear fixings to suit a variety of wall/panel thicknesses. We offer a single flush, or a 'Full' & 'Economy' flush option, or a combination of functions eg. Hot/Cold for handwashing & WC Flush.



React Sensor Disc



Touch Sensor Disc



'Full' & 'Economy'
Flush Plate



Combination Basin &
WC Plate

Urinal Flushing

ECO-Logic water controls work on low voltage 6vDC for safety (either battery or reduced mains power) and are designed for ease of installation. 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.

Individual Bowls



ECO EU13CT

Trans Sense Controller

- Ideal for a range of urinal bowls
- Fully concealed sensors on each bowl
- Initiates flush cycle for that bowl alone
- Totally vandal resistant
- Low maintenance system
- Easy installation

Cisterns



ECO EU9

PIR Controller

- Ceiling or wall mounted
- Senses approach area in front of urinals
- Adjustable flush frequency
- Easy set-up and commissioning
- 70-90% water saving over uncontrolled systems



ECO EU10

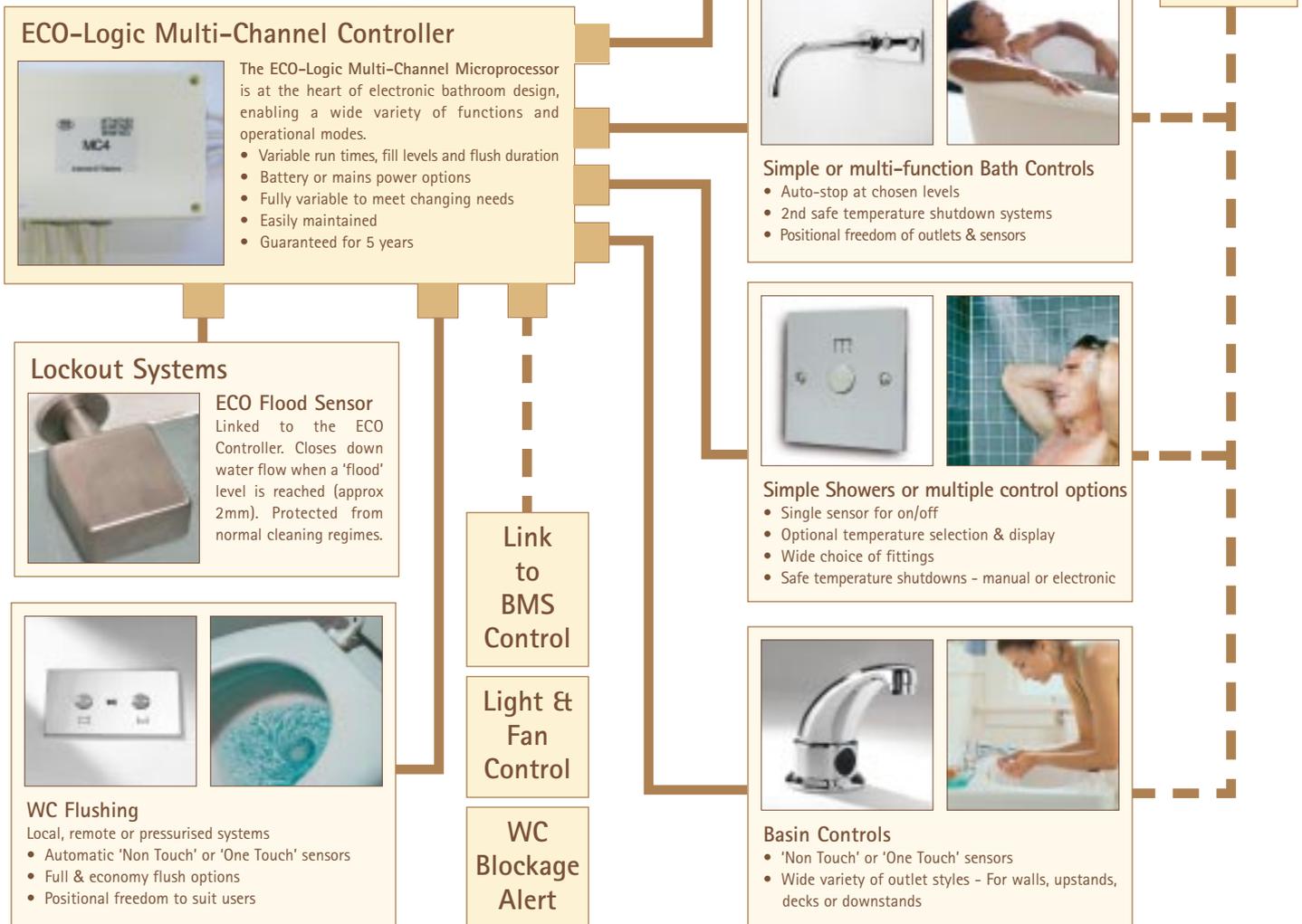
PIR Controller

- Controller is concealed behind ceiling tile and white PIR sensor secured within ceiling tile
- Adjustable flush frequency
- Easy set-up and commissioning
- 70-90% water saving

ECO-Logic Total Management Control

The outstanding flexibility of ECO-Logic multi-outlet controllers enables a unique approach to designing safe bathing facilities for Hospitals, Care Homes and Staff Accommodation.

ECO-Logic controllers can link all the water outlets within the bathroom and allow users full control over the facilities, whilst ensuring high levels of discreet management control. ECO-Logic controls offer a cost effective, bespoke solution designed to meet user, staff and management needs. The combination of controller, sensors, outlets and valves is fully adjustable – just tell us your design criteria!

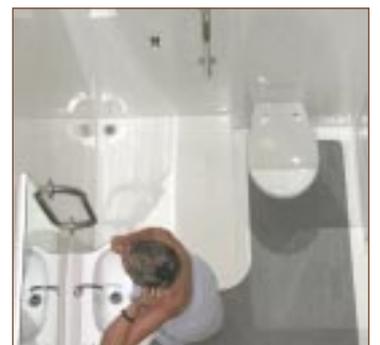


Modular Bathrooms & Shower Rooms

ECO-Logic is an experienced provider of quality water control systems to the modular construction industry. The ability to offer bespoke solutions to meet clients needs is a major benefit in many multiple bathroom design projects.

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

- Lighting • Security • Safety • Economy • Sanitaryware • Water Controls •



Lockout 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 allow Facility Management to maintain control over water resources at times of misuse, accidental or deliberate damage, or to assist maintenance work. ECO-Logic has four basic approaches to lockout systems:

Lockout Switch - Control Box



All ECO Controllers have short anti-tamper programmes to prevent overuse at individual outlets. Additionally, controllers can be fitted with manually operated switches that can close down all outlets linked to the controller, or open valves for pipe cleaning/disinfection purposes.

Position 1 Normal Operation

Position 2 Closes all solenoid valves to outlets.

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

Lockout switches can be located on separate switch plates and wired back to the controllers.



Multiple Lockout

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

Alternatively, the ECO Controllers can be interfaced to a Building Management System (BMS) to provide lockout control.



Key Switches

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 fob latching.

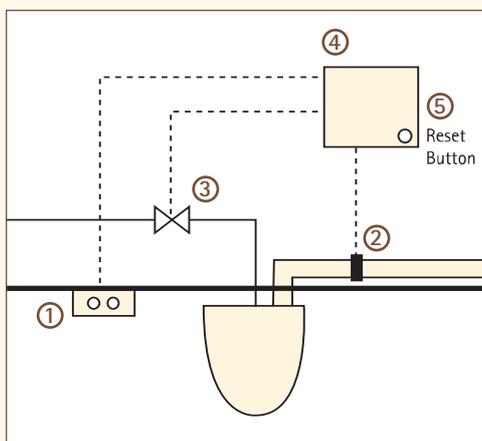
The control of specific outlets remains firmly with nursing staff, who retain the key or fob after use. Key switch systems can be used to isolate whole rooms.



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.

WC Blockage Alert



- WC Flushing is initiated in the usual way by using ECO-Logic Sensors (1).
- If the ECO Trans Sense Sensor (2) detects no flow through the waste pipe or only limited flow, it signals a blockage to the ECO Controller (4). The controller prevents further flush activations at the sensors (1) and closes the solenoid valves (3).
- A blockage alert signal can also be sent to a control point or management system.
- When the blockage has been cleared the WC can be returned to normal use by pressing the Reset Button (5) on the Controller.
- The ECO-Logic Blockage Alert can also work with conventional cistern pipework - contact us for more details.

The range also includes Call Systems, Light/Fan Controls, Tank Water Monitoring and 'Smart Controls' enabling computer and remote controlled operation.

ECO-Logic Secure Sanitaryware

In healthcare environments, as in many other public buildings, vandalism is sometimes a factor. In special care establishments prevention of self-harm can also be a consideration, requiring robust or anti-ligature designs. Addressing both these concerns, ECO-Logic has identified a range of extra strong sanitaryware ideally suited to heavily used, vandal prone areas. With our 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 Sanitaryware – Extremely tough polymer products are moulded to eliminate sharp edges, with shrouded waste and pipe connections. With a white satin finish the products are easy to clean and are fire, chemical and stain resistant.

ECO-Logic Stainless Steel – High grade stainless steel is well proven in secure environments and manufactured to meet UK and EU standards.



ECO-GYP-BS-AL

- Anti-ligature shrouded waste design.
- Thicker, stronger upstand.
- Holes drilled to suit sensors & fittings.



ECO-ELC-BS-43/38

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



ECO-GYP-BS-VP

- Vandal resistant design.
- Wall or deck fixing.
- Rear bolts for secure fixing.
- Drop-in basins for deck mounting also available.



ECO-ELC-BS-40

- Wash trough with splash screen.
- Available in a variety of lengths.
- With or without tap holes.
- Complete with support brackets.
- Material AISI 304.



ECO-GYP-BS/S-VP

- Shrouded outlets for added vandal resistance.
- Rear waste outlet.
- Holed for 2 sensors (as shown) or a single plate (with Hot & Cold).



ECO-ELC-BS-230N

- Corner basin with single tap hole.
- Ideal for small areas.
- Waste has 1 1/2" connection.
- Material AISI 304
- Basins with shrouded wastes available.



ECO-GYP-WC-VP

- Moulded seat
- Bolted rear fixing
- Waste and water pipe connections
- Large waste pipe prevents blockages



ECO-ELC-WC-40

- Floor standing WC for back-to-wall fixing.
- Anti-ligature version available.
- Available with toilet seat holes.
- Material AISI316
- Other designs available.



ECO-GYP-UR-AL

- Anti-ligature shrouded waste.
- Rear bolts for secure fixing
- Supplies through concealed connections



ECO-ELC-UR-345

- Wall hung urinal bowl.
- Floor or wall trap connection.
- 1/2" Flush Pipe Connection.
- Material AISI 316.
- Other designs available.

Design Solutions for the less able

The flexibility of being able to place ECO-Logic 'One Touch' or 'Non Touch' sensors where users can comfortably operate them, gives electronic water control a unique design advantage. Indeed the sensors for all facilities within a toilet or bathroom can be grouped together – offering designers alternative layout options.

Easy to Use - ECO Rota Sense



For those with limited hand movement or grip this tap sensor is ideal. The user can use an arm, hand, wrist or finger to move the sensor to start flow and the flow will stop automatically after the pre-set time. Alternatively, the user can operate the lever again to stop the flow. The lever can be basin, deck or wall mounted and recoils automatically following each use.



The ECO-Logic range also includes easy to use 'One Touch' and 'Non Touch' Sensors

Positional Freedom



Care professionals and installers welcome the freedom of positional choice available with electronic systems. Easy-to-use sensors can be sited in the most convenient position for the user.

Fixings are available for basin, bath and sink, for upstands and downstands, for variable height units and for walls or work tops.

One Control Point - Multi-Function Plate



For convenience different sensor functions can be mounted onto one plate, typically Basin (Hot & Cold) and WC Flush.

Electronic Waste Plug & Divert to Shower



For those with limited movement ECO-Logic Bathfill Controllers include an electronic waste plug and a simple Touch Sensor divert to shower or pull-out shower over bath.

All this in addition to auto-stop at selected levels and safe temperature bathing controls.

Protected Use Systems



An ideal system for carers, allowing supervised bathing and preventing unsupervised use. Controls can be key switches or a magnetic fob (as shown).

Extra Safe Bathing & Showering



Our unique electronic temperature monitors all ensure rapid shutdown if unsafe temperatures are detected. Thermostatic mixer controls and LCD temperature displays help guard against unsafe bathing temperatures.

Visual Communication



To aid understanding plates, pedestals and discs can be supplied with colour and graphics.

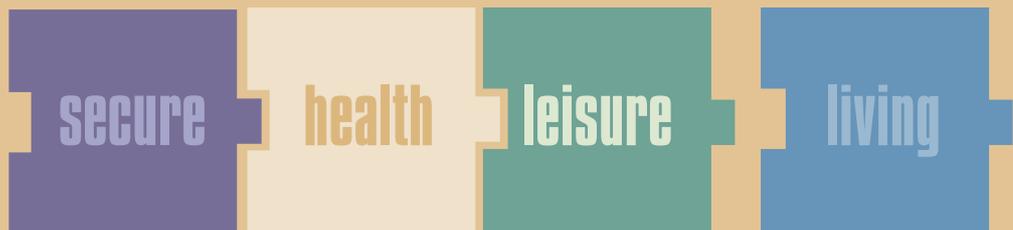


Security & Peace of Mind

- Ultra-safe power systems using 6vDC batteries or mains power transformers.
- Long life battery systems providing typically 4-5 years' life.
- All controls have automatic stop facility making it easy to fill basins, sinks and baths.
- Remote sensor systems and lockout switches available.
- Brassware designs include some which prevent self-harm.
- All ECO Controllers and sensors are guaranteed for 5 years.

This portfolio has been developed with the less able in mind but this page highlights specific features.

other eco-logic portfolios are available;



call us for more information on 0121 766 3016
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eco-logic

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