ACTIVATION & CONTROL

We supply a comprehensive range of electronic, mechanical and pneumatic water-activation methods for our WCS, basins and showers together with a range of highly capable and flexible electronic controls.

WDC electronic controllers
An electronic controller range with the ability to manage water only or water, lighting and power to one or two rooms. Incorporating features such as timed flow, purge cycles, time slots and lock outs, they also log and store individual outlet activity for analysis. Can be used locally or networked.

**KEY FEATURES**
- manage all outlets for 1 or 2 rooms
- water only or water, light and power options
- standalone or networked management

Mechanical WC flush activation
The Wallgate mechanical activation is a finger push or palm push activation button. Designed for use without electrical power, it is the most basic form of activation and does not permit any form of water management.

**KEY FEATURES**
- very cost effective
- easy to install
- robust

Pneumatic WC, basin & shower water activation
Our pneumatic controls include an activation button, cross wall fixings and valve to activate a WC, basin or shower. All of our range of WC Pans, Basins, Baths and Showers are compatible with pneumatic operation. Controlling a single device per unit via a cross wall, they provide a timed flow and eliminate the need for an electrical power supply to be installed. Although basic in functionality and control our pneumatic activation package provide an effect solution to water activation and control where no electrical power is present.

**KEY FEATURES**
- extremely robust
- no electrical power required
- provide some degree of control
Piezo sensor activation

Our Piezo touch sensors are made of stainless steel and are both anti-ligature and highly robust in design. Electronically operated with no moving parts and no meaningful voltage they integrate with our WDC range of electronic controllers to activate and manage both the associated outlet and the whole washroom environment. Where relevant, the Piezo sensors are supplied complete with all through wall fixings and appropriate markers.

**KEY FEATURES**
- highly robust
- anti-ligature
- low/no voltage

Infrared sensor activation

Our infrared touch free sensors are made of stainless steel and are both anti-ligature and highly robust in design. Electronically operated with no moving parts and low voltage they integrate with our WDC range of electronic controllers to activate and manage both the associated outlet and the whole washroom environment. Where relevant the infrared sensors are supplied complete with all through wall fixings and appropriate markers.

**KEY FEATURES**
- highly robust
- anti-ligature
- low/no voltage

Basin and shower valve packs

Our WVP water valve pack is supplied with solenoid valve(s) and cable(s) for connection to the Wallgate WDC series of plug and play electronic water controllers. The WVP can activate Wallgate basins, showers or vanity tops. All packs come with 4m cables as standard with bespoke lengths up 20m available. Maximum water efficiency is achieved with basin valves fitted with 5 litre flow restrictors and shower valves 8 litre (other volumes available). Activation is via Piezo touch button or infrared sensor.

**KEY FEATURES**
- comprehensive package
- easy to install, ‘plug and play’
- robust and reliable
Flush valve cables

Electronic water flush valve cable range, 4 metre length as standard.

**KEY FEATURES**

- plug and play
- clearly identified
- standard 4m length

Water blending & distribution manifold, TMV3 thermostatic mixing valve

Our manifold assembly blends hot water through a TMV valve to a safe set temperature and then distributes both the blended hot and cold water to basins, showers and WC cisterns via a manifold. Designed to save cost, space and time in construction they integrate with our range of sanitaryware and WDC electronic controllers.

**KEY FEATURES**

- greatly reduces on site costs and time
- space saving
- integrates with our range of sanitaryware and controls

Extension cables

A range of extension cables to enable sensors and valves to be sited further way from the control box than the standard 4 metre cables allow.

**KEY FEATURES**

- plug and play
- clearly identified
- enable valve and activation sensors to be remotely located
**ACTIVATION & CONTROL**

### Key switch isolation

Our room isolation key switch is normally located just outside a secure room and enables either just the water supply to be shut down or in addition, the purging of sanitaryware remotely without entering the room, depending on the model.

**KEY FEATURES**

- external shutdown of water
- remote purging of sanitaryware
- safe, quick and easy to use

### Data logging & networking

Our WDC range of electronic controllers are supplied 'network ready' and, when coupled with our powerful WDCMS software, controller operations are monitored and managed via remote PC. Selectable permissions are available to control features for each user, with multiple PCs supported. The remote management allows real time system feedback and remote control of all parameters including manual lock-out overrides and purging, all via a graphical interface.

In addition to remote software, all WDC controllers record automatic (hygiene) purge and all standard operations. Purge and usage data can be downloaded remotely via the WDCMS network or from each unit individually for later reporting and analysis via our database report creator.

**KEY FEATURES**

- safe, robust and automatic recording of hygiene purges and item usage
- full remote management of entire controller network via our dedicated front-end software
- front end software will be configured specifically for your project

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