



WARDEN 2 ELECTRONIC SANITARY FIXTURE CONTROL

Warden 2 is a proven low voltage, plumber installed, electronic control system providing real benefits for the building owner.



MACDONALD
INDUSTRIES LIMITED

APPLICATION

Warden 2 is a multi-function electronic water controller that can be pre-programmed to deliver water savings on;

- WC's
- Basins
- Showers

Using ultra reliable piezo electric switching, Warden will determine the frequency of use, delays between use and, if necessary, provide long lock outs after use where institutional installations demand this sort of functionality.

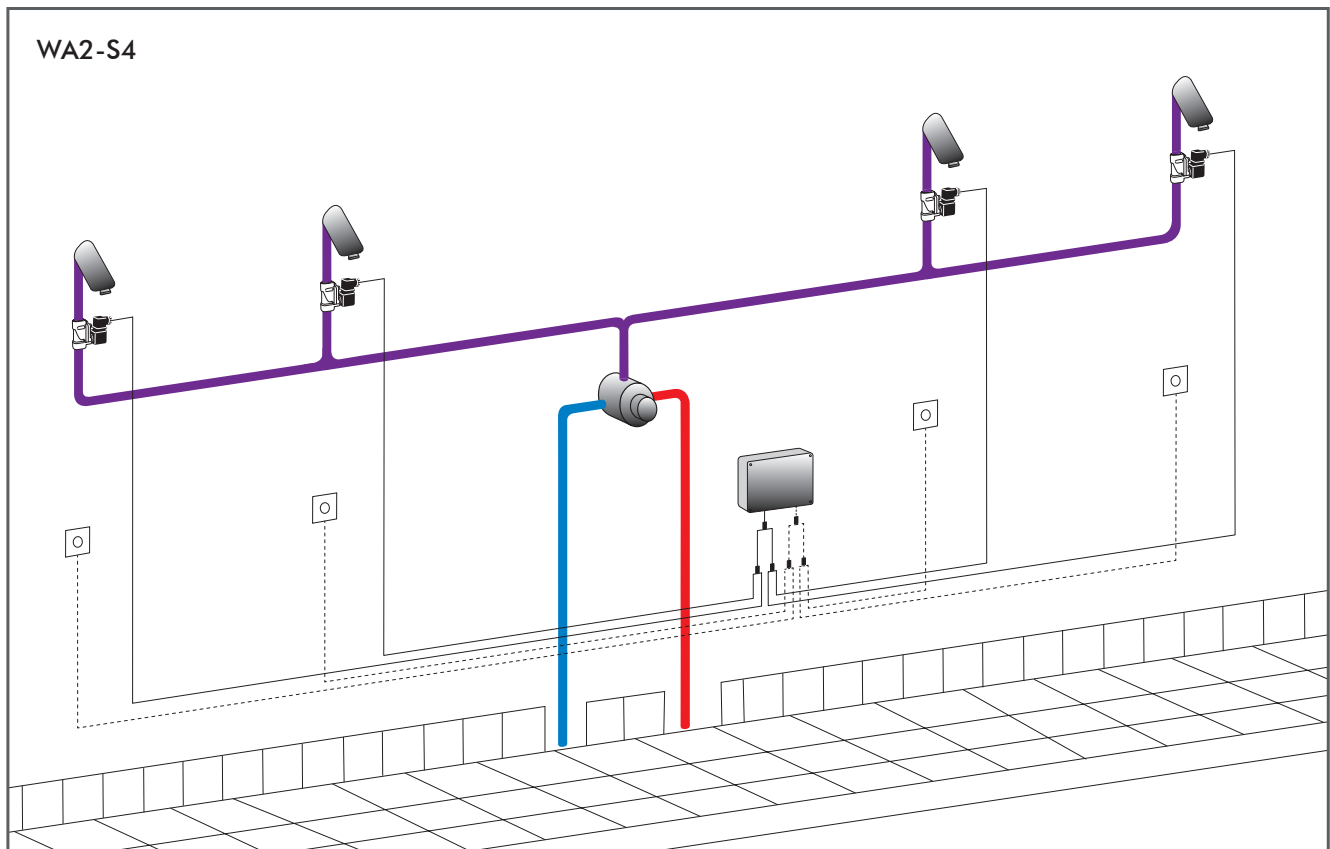
Developed for use in correctional facilities, Warden 2 has now become an accepted method of controlling water in;

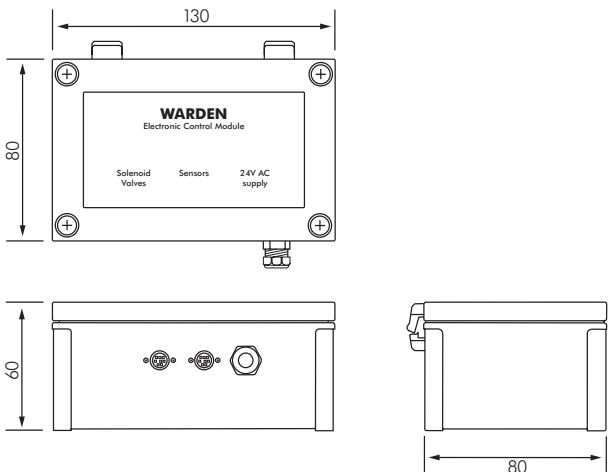
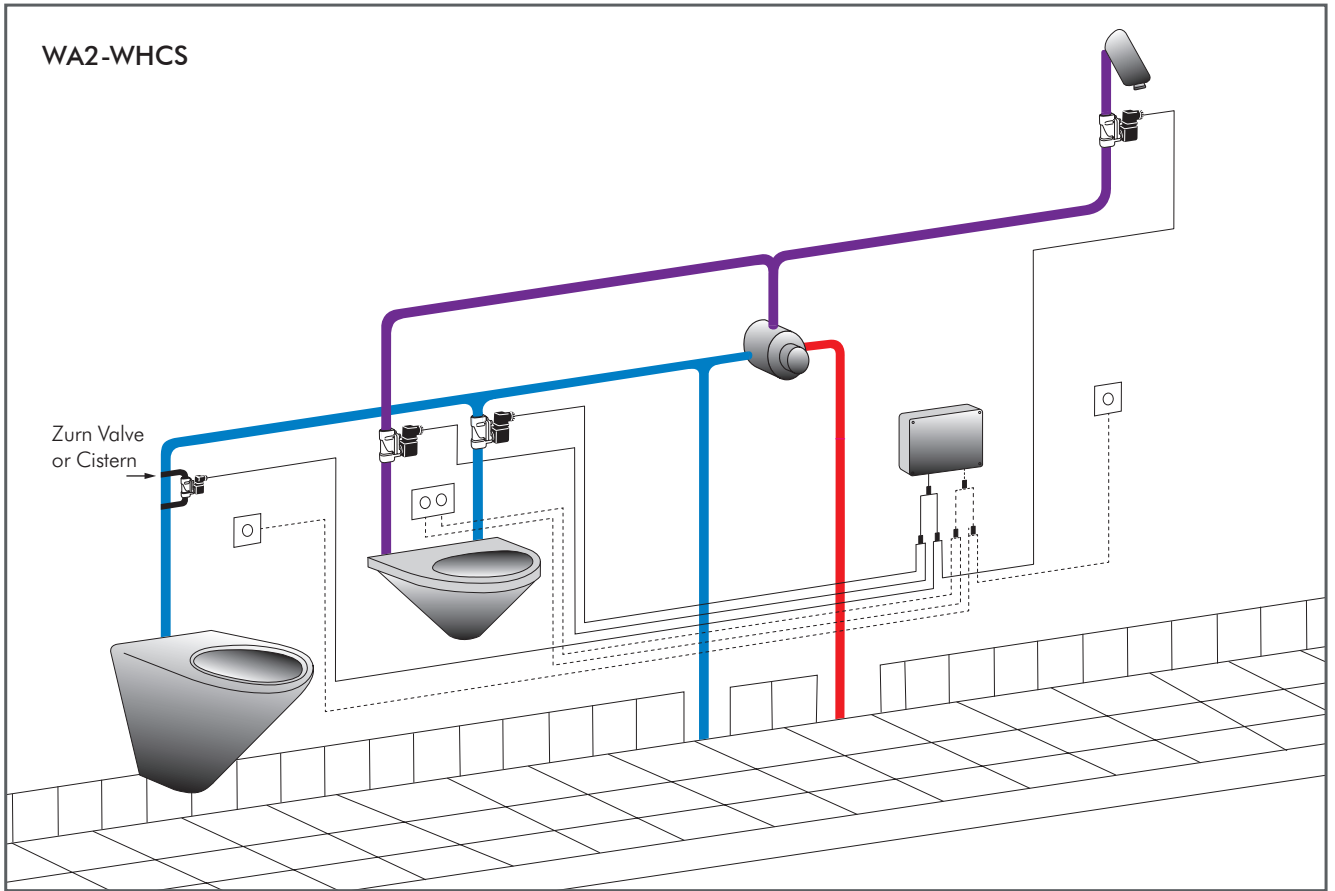
- Schools
- Parks
- Public Ablutions
- Campgrounds
- Swimming pool complexes

Warden 2 has 4 Inputs/Outputs (I/O) which can be linked to any fixture and pre-programmed to suit the customer's needs. For instance, all 4 I/O can be used to run 4 showers. Alternatively it could be used to control 2 x dual flush flushing valves. It's only a matter of the customer deciding what they want to control and how.

Warden's multi-purpose functionality doesn't stop there – Warden 2 has a series of 8 DIP switches which allows on-site adjustments of fixture run times. e.g. showers may be given up to 4 different run times and 2 dead times (delays after use), which can be set on site if the chosen times are not ideal. This means the customer can amend the settings themselves to suit environmental changes that may occur.

Warden 2 is a fixture, timing and use control, and does not control flow volume or temperature. It is vital to select products that compliment Warden 2 by offering stable water temperature and flow regulation.





PROGRAMMING

Warden 2 is a stand alone product that can be programmed to suit your customers needs. Because of its flexibility in programming it requires personal attention between the customer and ourselves. Warden 2 can limit the use of fixtures in many ways, but in simple terms it limits run time and frequency of use and provides maximum number of uses within a specific time period.

The Warden controller and transformer are common to all installations. However, valves, switches and cabling needed to serve the fixtures that are to be installed, require personal detailing. Because of the bespoke nature of each Warden installation, this should be discussed with your MacDonald Industries representative at time of specification based on the Warden Order/Specification sheet available.

SPECIFYING WARDEN

Refer to the Warden Order/Specification sheet for comprehensive details on how to specify Warden 2. The following is a base for Warden 2 specification.

WA2-S	Shower
WA2-W	Zurn single flush valve
WA2-DFW	Zurn dual flush valve
WA2-H	HW to basin
WA2-C	CW to basin

Where multiple fixtures are used (e.g. multi showers) the last suffix is the quantity.

Examples;

- WA2-S4 is a 4 shower controller as depicted in Page 2 of this brochure.
- WA2-WHCS is a controller as depicted on Page 3 of this brochure.
- WA2-DFW2 is a controller serving 2 x dual flush WC valves.

To complete the installation Warden should include such items as;

- shower heads
- flushing valves or cisterns
- basin bubblers or spouts
- thermostatic mixing valves
- water hammer arrestors
- line filters and isolating valves

Discuss these items with your MacDonald Industries representative to ensure the best choices are made.

COMPLIMENTARY PRODUCTS



Zurn Recessed Flush Valve

Electronically activated WC flush valve designed to be installed in a plumbing duct directly behind the WC. Single or dual flush options



MacDonald Inwall Cistern

Electronically activated 6L stainless steel cistern. Suitable only for duct mounting



Delabie Securitherm Thermostatic Mixers

A range of high quality mixers allowing for safe delivery of mixed water to prevent scalding.



Piezo Switch Plates

Options on 1, 2, 3 or 4 button piezo switch plates to suit the projects needs.



Stainless Steel Bubbler

Mounted over a wash hand basin where the highest resistance to vandalism or self harm is required.



Delabie Security Shower Heads

A range of vandal resistant wall mounting shower heads.



MACDONALD INDUSTRIES LIMITED

Auckland (Head Office)

20 Carr Rd, Three Kings
Auckland 1041

P: 09 624 1115

F: 09 624 1110

E: sales@macdonaldindustries.co.nz

Wellington

P: 04 569 8033

F: 04 569 8066

Christchurch

P: 03 348 2356

F: 03 348 2376

www.macdonaldindustries.co.nz