i -Control EVC4. Auto safety shutoff system for Ultra Violet disinfection and water treatment systems

Features and benefits

i–Control is an *integrated monitor* and power supply to operate a safety shutoff valve at the discharge end of water treatment systems preventing untreated water passing to service.

Provides automatic shutoff for UV disinfection and filter systems in the event of power failure.

Fully integrated with the *SS-i* range of UV Systems to provide both power and UV lamp failure protection.

Three additional inputs for connection of filter systems via normally closed micro-switch kits to shut down the water supply to service during the filter backwash cycle.

Volt free contacts for connection of additional alarms, beacons or clean water backwash valves.

Self-powered; *i–Control* is a standalone system providing power for the auto shutoff valve and the necessary control for the signaling connections.

Safety in damp environments – Low voltage signal control and valve operation. IP65 rated enclosure.

Fully compliant with the requirements of the *Drinking Water Inspectorate* Risk Assessment for Private Water Supplies.

Available as a complete kit with ¾” - 2” valves.

Interface connection kits with microswitches are available for Clack, Autotrol and Fleck valves and *SS–i* range UV disinfection systems

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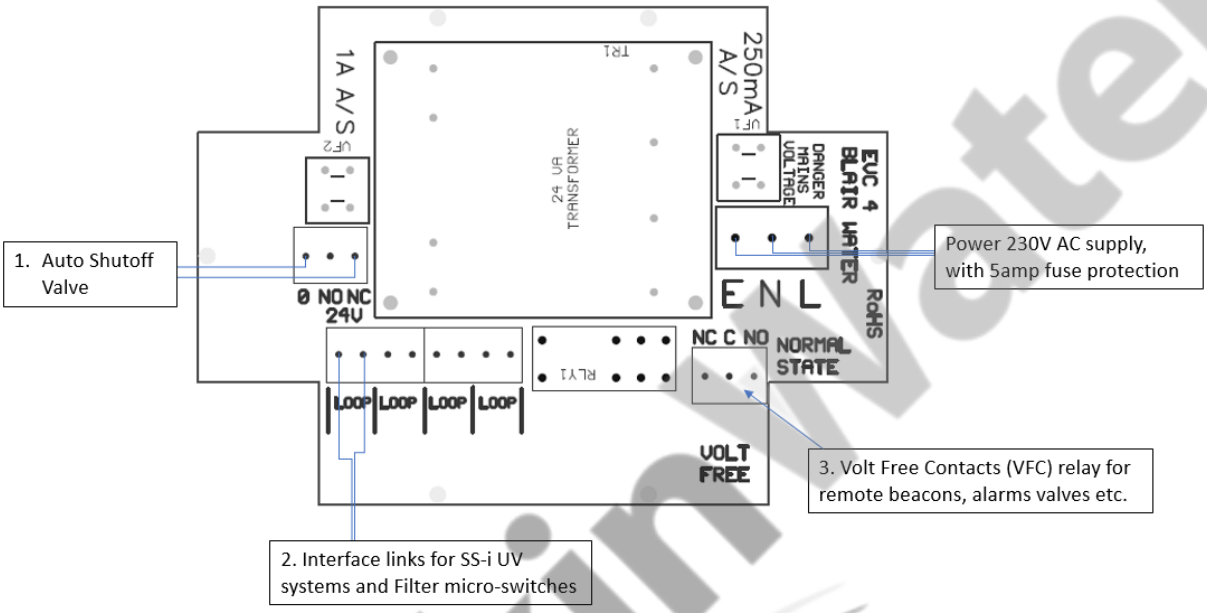
Connections



1. Auto Shutoff Valve

The auto shutoff valve should be connected to the 24V 0 NO NC terminal block.

For full Auto Safety shutoff protection connect the valve to the 0 and NC connections.

It doesn't matter which way round the wires are connected.

2. Interface links for SS-i UV systems and Filter micro–switches

I-Control is fitted with four input (loop) connections, each must have either an interface cable or a link in place for the system to operate.
If only an *SS-i* range UV disinfection system is being connected, remove any link and connect the interface cable. It doesn't matter which way round the wires are connected.

3. Volt Free Contacts (VFC) relay for remote beacons, alarms valves etc.

The VFC relay is un-fused and can be used as a remote signal switch for external equipment with normally open, or normally closed contacts according to the operating condition required.

If the VFC relay is used as a power relay the circuit should be protected by an external fuse sized according to the to the connected equipment. The maximum current of the VFC relay is 8 Amps at 240 V AC.