Installation + Control4 Integration in the Automated Home



The Original Leak Protection and Automatic Shutoff System.



WaterCop® Pro utilizes an automated valve and a network of addressable leak sensors to protect your property from catastrophic water damage. Our advanced technology integrates with most third-party monitoring and security systems making it the perfect choice for modern multi-family, condominium, residential, or commercial properties. WaterCop provides round-the-clock protection delivering true peace of mind.

The following instructions are intended to help the associates of Control4 Dealers install and configure the WaterCop actuator providing automated control and a visual representation of the WaterCop actuator (i.e., valve).



Requirements:

The following are needed to give a Control4 system control and real-time state updates:

- WaterCop with RJ45 jack
- WaterCop ball valve to fit the customer's existing supply line pipe installed by a plumber
- Single gang electrical outlet installed by an electrician near the location of the WaterCop
- Card Access wireless relay
- Card Access wireless contact switch to provide a visual representation in the Control4 app (optional)

Controlling the WaterCop Valve:

Relay

The Relay is the device that instructs the valve to open and close.

Wiring

Attach the following CAT wires (B spec) to the Card Access relay screw terminals.

- 1. GR to pin 1
- 2. BR/WH to pin 2
- 3. Jump pin 2 to pin 3

- 4. BL/WH to pin 4
- 5. Power adapter leads to and +
- 6. Jump to on Contact Sensor
- 7. Jump + to + on Contact Sensor

Control4 Drivers

- 1. Add Card Access Wireless Contact Relay (i.e. WCS10-R) driver to a room hidden from the navigators
- 2. Add a Relay driver (MyDrivers/Motorization) to a room hidden from the navigators named "Open"
- 3. Add a second Relay driver to the same room named "Close"
- 4. Configure both of them like the following:

Properties			
Properties			
Invert Relay			
Toggle Type			
Pulse Type:			
Pulse Length:	1000	miliseconde	5
Watts: 0	ł	Set	

5. Connect the Relays to the Card Access piece (Figure 1):6. Refresh navigator (i.e., Shift F5)

At this point, you should have control over the WaterCop valve.

Figure 1

Connections		Control & Audio Vid	leo Conne	ections			
Control/AV	Network	InHome Wireless Contact Rel	InHome Wireless Contact Relay				
Kew Project Home House Main Digital Media Internet Radio Topen Tose Inhome Wreless Contact Relay		Name	Туре	Connection	Input/Output	Connected To	
		Control Outputs					
		SPST Relay Port 1	Control	RELAY	Output	Open->Relay	
		SPST Relay Port 2	Control	RELAY	Output	Close->Relay	
		Internal Magnetic Contact	Control	CONTACT_SENSOR	Output		
System Design		RELAY Input Devices					
		Device	Name	Location	Connections		
Connections		T Open	Relay Relay	Room	InHome Wireless Contact Relay->SPST Relay Port 1		
🕞 Media		IT Close		Room	InHome Wireless Contact Relay->SPST Relay Port 2		
Agents							
Se Programming							

Displaying the State of the Valve:

Contact Sensor

The Contact Sensor is the device that provides the current state of the valve to the Control4 system.

Wiring

Attach the following CAT wires (B spec) to the Card Access relay screw terminals:

- 1. OR to pin 1
- 2. GR/WN to pin 2
- 3. BL to pin 3
- 4. Jump to on Relay
- 5. Jump + to + on Relay

Control4 Drivers

 Add a Contact Switch (MyDrivers/Sensors) to a room not hidden from the navigators with the following settings – INVERT SENSOR??? NO, DO NOT INVERT SENSOR like shown below:



 Add a Card Access Wireless Contact Sensor (MyDrivers/ Sensors) to a room not hidden from the navigators with the settings below:

Properties		Pro	perties	List View	Inf
roperties					
Status					
Contact 1:	Contact 2:	Magne	tic D		
Local Temperature	76.0	Remote Tem	perature:	-40.0	
Battery Level: 📑	Excellent (100%/3.21V)	On Battery	Power]	
Last check-in Time	e 09/03/12 14:24:5	Э			
Programming					
Contact Input Setup					
	Input 1	Input 2	M	agnet	
Input Sense/ Polarity:	● NO ● NC	● NO ● NC	0	NO NC	
Sense Hold Time:	0 <u>▲</u> sec	0 🌲 s	ec	0 ‡ sec	
Temperature Sensor	Setup				
Temperature Scale:	Fahrenheit	Celsiu	S		
	Local Sensor:	Ren	note Sens	or:	
Temp Correction:	0 ≑ degree(s)	0 🚔 degr	ee(s)	
Check-in when Reading changes by	3.0 deg C	• 3.0	3.0 deg C		
Advanced Setup					
Check-in Interval:	3 minute	(s)			
Apply Program	ming Changes				
Network					
MAC	Firmware Version:	Channel:	Gatewa	iy:	
000680000000def0	02.01.01				
Firmware Update					
D-0-1-1-1-102.01.01+-	02.00.051				

3. Connect the two as shown below (Figure 2):

4. Refresh navigator (i.e., Shift F5)

At this point, you should have control over the WaterCop valve, and be able to see it in the navigators with the proper state representation.

Figure 2

Connections		Control & Audio Vid	eo Coni	nections				
Control/AV	Network	Card Access Wireless Contac	ard Access Wireless Contact Sensor					
		Name	Туре	Connection	Input/Output	Connected To		
		Control Outputs						
		Contact Input 1	Control	CONTACT_SENSOF	Output	Water Valve State->Contact Sensor		
	Contact Input 2	Control	CONTACT_SENSOF	Output				
Digital M Control4 System System System System System Water	vledia 4 Remote Control SR-250 nd Decker Zigbee Lock oor (alve State	CONTACT_SENSOR Input De	vices		Ouput			
Card Ac	cess Wireless Contact Sensor	Device		Name	Location	Connections		
Cable T Theater	V Channels · Cable · DVD er	Bathroom Motion Sensor 08 - Smoke Detectors 25 - Downstairs Motion Sen 26 - Upstairs Motion Sensor	sor	Sensor Cascade In Contact Sensor Contact Sensor Contact Sensor	Kemp Drive H Kemp Drive H Kemp Drive H Kemp Drive H	Security System->Zone 8 Security System->Zone 25 Security System->Zone 26		



To order or for additional information, visit

or call 800-545-3636.