

Cinegration White Paper WP 021

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How to use Control4 control virtual inputs on Paradox

Description:

There are times when a dealer when a dealer may need to use a Control4 action to 'trigger' a zone to open/close. Traditional alarm systems would require the dealer to wire a relay off the Control4 -> security system then create programming around. With Paradox, this can be all handled by the Driver and simple configuration of a Paradox Virtual Zone. The dealer can now use any Control4 action to trigger a zone!

Installer Note: A real security contact is always recommend. Use virtual inputs with care. DO NOT rely on this for safety or security applications.

Example: Customer is using Control4 Wireless Contact for the garage door. The dealer would add in action to the door opening/closing states to trigger the zone

 Room->Garage Door contact sensor has closed

 Execute Virtual Input 5 to Close

Paradox Virtual Zone Programming:

Recommend using BabyWare. Here is a snapshot of zone programming that is required on the Paradox. Dealer will need to create a zone for each virtual zone that is going to be used.

No.	Label	Module	Input No.	Serial No.	TX Serial #	Zone Type	Area Assignment	Alarm Type	Auto Shutdown	Bypass	Stay	Force	Intellizone	Delay Before Transmission	Zone Tamper Follow panel setting
05	Zone 5	EVOHD	5	07000000		Disabled	Access Co...	Steady Alarm	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
06	Zone 6	EVOHD	6	07000000		Disabled	Access Co...	Steady Alarm	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
07	Zone 7	EVOHD	7	07000000		Disabled	Access Co...	Steady Alarm	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
08	Zone 8	EVOHD	8	07000000		Disabled	Access Co...	Steady Alarm	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
09	Garage Door (C4)	APR3-PRT3	1	00000000		Instant	Access Co...	Report Only	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10	Side Gate Lock	APR3-PRT3	2	00000000		Instant	Access Co...	Report Only	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
11	Zone 11		0	00000000		Disabled	Access Co...	Steady Alarm	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
12	Zone 12		0	00000000		Disabled	Access Co...	Steady Alarm	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
13	Zone 13		0	00000000		Disabled	Access Co...	Steady Alarm	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
14	Zone 14		0	00000000		Disabled	Access Co...	Steady Alarm	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
15	Zone 15		0	00000000		Disabled	Access Co...	Steady Alarm	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
16	Zone 16		0	00000000		Disabled	Access Co...	Steady Alarm	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Now use Control4 programming and define when the zone should be open and closed.

Access Control System (Paradox) Actions

 Execute Virtual Input 1 to Close

Commands Conditionals Loops

Device Specific Command

VIRTUAL_INPUT

Input: 1

Action: Close

Below is an example of a properly communicating Control4/Paradox system using Virtual Inputs. (In this example, the Control4 attempted to close input 1). Note: To view communication, turn on debug mode in driver.

```
Lua Output
>
Message Sent to Device
<
>
RS232 -> Message Received From Device... Begin Processing
<
>
Previous String was received ok: VC001
.
```