

# “UI TOGGLE TILE” DRIVER FOR CRESTRON HOME

Revision: 2.00

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## CRESTRON HOME ONLY

This document describes the configuration of Ultamation's UI Toggle Tile driver for Crestron Home only. For many control applications, a simple toggle control is all that is required. This Toggle Tile's configurable UI options allow it to be used for various devices – fans, water features, garage doors, etc.

## SUMMARY - WHAT DOES THIS MODULE DO?

There are several devices that you simply want to manually turn on and off from a single button or leave on for only a certain amount time. Ultamation's UI Toggle Tile offers a simple and generic tile that can be configured to work with in any context – that means a single UI tile purchase can be used in a variety of situations.

The tile has three programmable actions (SetOn, SetOff, and Toggle) and three programmable events (On, Off, Changed). These can be linked to your device of choice. It also provides an “auto-off” function which, when enabled, will trigger the set the tile to off, and trigger the Off Event in the process, after a pre-set amount of time.

Pressing the tile will toggle it between an off and an on state. Doing so will trigger the respective actions and events. The toggle action and changed event only happen when the tile is pressed. Pressing the ellipsis at the top right of the tile will bring up a control page that provides discrete on and off controls, along with a toggle for the auto-off feature. If the tile is on and auto-off is enabled, then the time remaining until auto-off is displayed in the tile status.

## MODULE DESCRIPTION

The Toggle tile is available from the Crestron portal or within applications like Crestron Home and can be found under: Drivers > UI Tiles > Ultamation

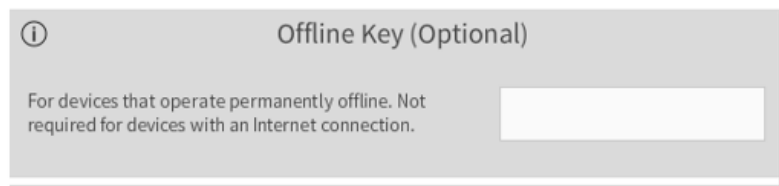
### Adding the Tile

Ensure a room is selected, and then click on the '+' against the Toggle Tile driver item.

You will be asked to provide a descriptive name for the tile – this can be anything you wish.

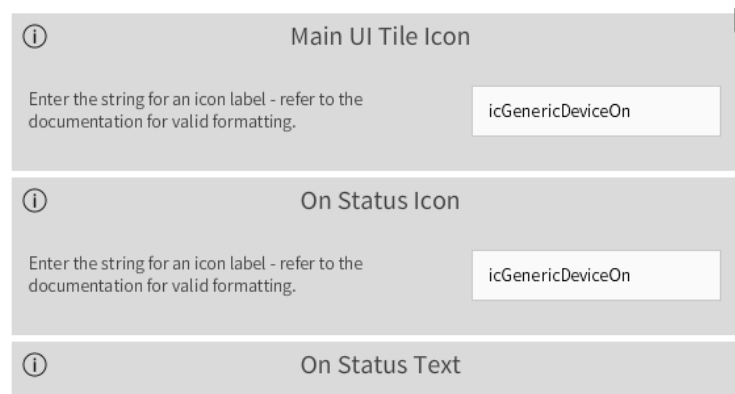
The driver is licenced via the cloud, but an optional “offline” key can be requested under special circumstances. Please FIRST refer to the “Licensing” section below and then

contact [support@ultamation.com](mailto:support@ultamation.com) if you REQUIRE offline activation. The same offline key can be used for multiple driver instances in the same system.



The screenshot shows a configuration panel titled "Offline Key (Optional)". It includes an information icon (i) on the left. Below the title, there is a text instruction: "For devices that operate permanently offline. Not required for devices with an Internet connection." To the right of this text is a white input field.

If you do not have a cloud licence and do not enter a valid offline licence key, the system will function for ONE hour and then control will be suspended. The offline licence key can be entered at any time after initial setup without having to reconfigure each tile.



The screenshot shows three stacked configuration panels. Each panel has an information icon (i) on the left. The first panel is titled "Main UI Tile Icon" and contains the instruction "Enter the string for an icon label - refer to the documentation for valid formatting." followed by an input field containing the text "icGenericDeviceOn". The second panel is titled "On Status Icon" and contains the same instruction and input field with "icGenericDeviceOn". The third panel is titled "On Status Text" and is currently empty.

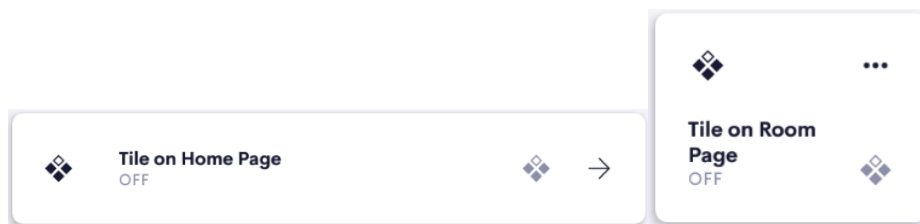
The device will be added to your system and you will be asked to enter some more settings. These settings provide the licence key to ensure that the integration will function after the initial one-hour trial period.

The first parameter will be the licence key that was emailed to you with your order acknowledgement. The same key should be used in each tile in the UI Tiles group in the system (though different Crestron Home systems will require different licence keys). If you do not enter a valid licence key here, the system will function for 1 hour and then control will be suspended. The licence key can be entered at any time after initial setup without having to reconfigure each tile.

The other parameters are as follows:

- ☼ Main UI Tile Icon\* - This is the icon that will appear at the top left of the tile.
- ☼ On Status Icon\* - This icon will be displayed in the bottom right of the tile when it is in the on state. It will also be displayed on the "on" button in the control page brought by the ellipsis.
- ☼ On Status Text - This will be displayed in the bottom left of the tile when it is in the on state. It will also be displayed on the "on" button in the control page.
- ☼ Off Status Icon\* - This icon will be displayed in the bottom right of the tile when it is in the off state. It will also be displayed on the "off" button in the control page.
- ☼ Off Status Text - This will be displayed in the bottom left of the tile when it is in the off state. It will also be displayed on the "off" button in the control page.

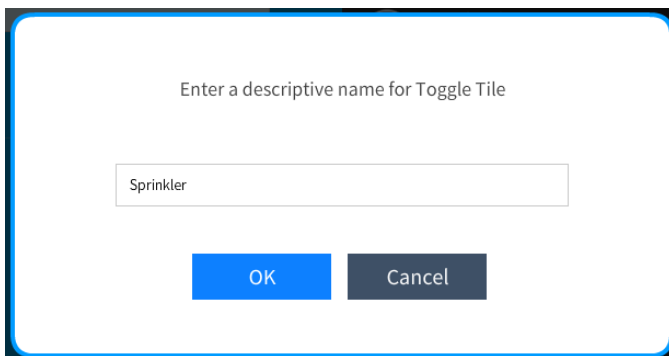
- ☼ Control Title – This will be displayed at the top of the control page.
- ☼ Auto-off in - This is the time that will be used by the auto-off feature. It will be displayed on the auto-off toggle in the control page. It must be given in the format of hh:mm:ss. If an invalid value is given, then a default value of 1 minute will be used.
- ☼ Status on Main Icon – If this is ticked then the status icon will be shown in the main icon position and the secondary icon position will be blank. Leave it unticked to use the secondary icon for the status icon.
- ☼ Show In Home Page – If this is ticked then the tile is shown on the home page. Leave it unticked to have it shown in the selected room.



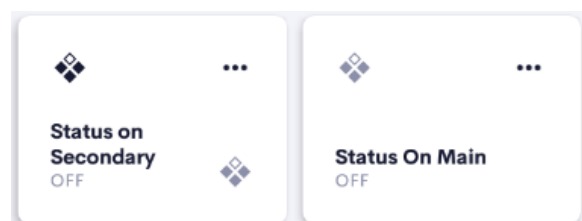
\*For the icon parameters, the Crestron documentation on valid values can be found here: [https://sdkcon78221.crestron.com/sdk/Crestron\\_Certified\\_Drivers\\_SDK/Content/Extension-Device-Icons.pdf](https://sdkcon78221.crestron.com/sdk/Crestron_Certified_Drivers_SDK/Content/Extension-Device-Icons.pdf)

### Example

As an example, here is a setup one might use for a sprinkler. Firstly, set the name:



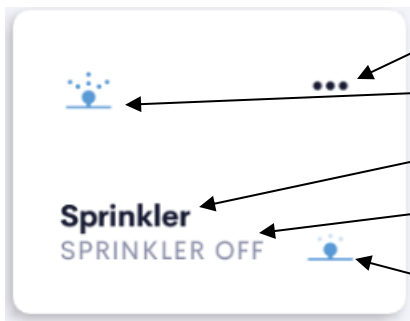
Then set the parameters:



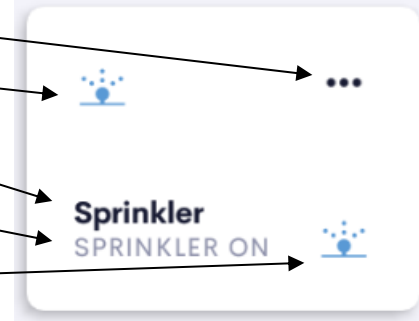
<p>①</p>	<h3>Main UI Tile Icon</h3> <p>Enter the string for an icon label - refer to the documentation for valid formatting.</p>	<input type="text" value="icSprinklersOn"/>
<p>①</p>	<h3>On Status Icon</h3> <p>Enter the string for an icon label - refer to the documentation for valid formatting.</p>	<input type="text" value="icSprinklersOn"/>
<p>①</p>	<h3>On Status Text</h3> <p>Enter the text will be displayed for the on status.</p>	<input type="text" value="Sprinkler On"/>
<p>①</p>	<h3>Off Status Icon</h3> <p>Enter the string for an icon label - refer to the documentation for valid formatting.</p>	<input type="text" value="icSprinklersOff"/>
<p>①</p>	<h3>Off Status Text</h3> <p>Enter the text will be displayed for the off status.</p>	<input type="text" value="Sprinkler Off"/>
<p>①</p>	<h3>Control Title</h3> <p>Enter a header text for the page which appears after clicking the three dots on the tile.</p>	<input type="text" value="Sprinkler Control"/>
<p>①</p>	<h3>Auto-off in</h3> <p>Enter the time after which the state will change to off. Specify in hh:mm:ss.</p>	<input type="text" value="00:0:00"/>
<p>①</p>	<h3>Status on Main Icon</h3> <p>Setting this to true will mean the main icon is used for the status icon, rather than the secondary icon.</p>	<input type="checkbox"/>
<p>①</p>	<h3>Show in Home Page</h3> <p>Setting this to true will mean the tile is shown on the home page, rather than in the selected room's page.</p>	<input type="checkbox"/>

This will result in the following UI:

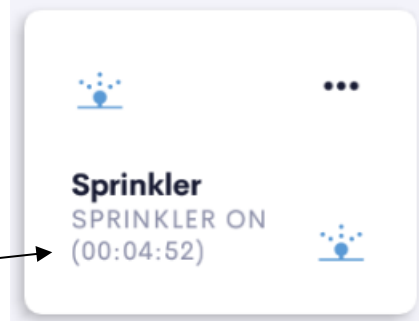
Tile - off state.



Tile - on state (auto-off disabled).

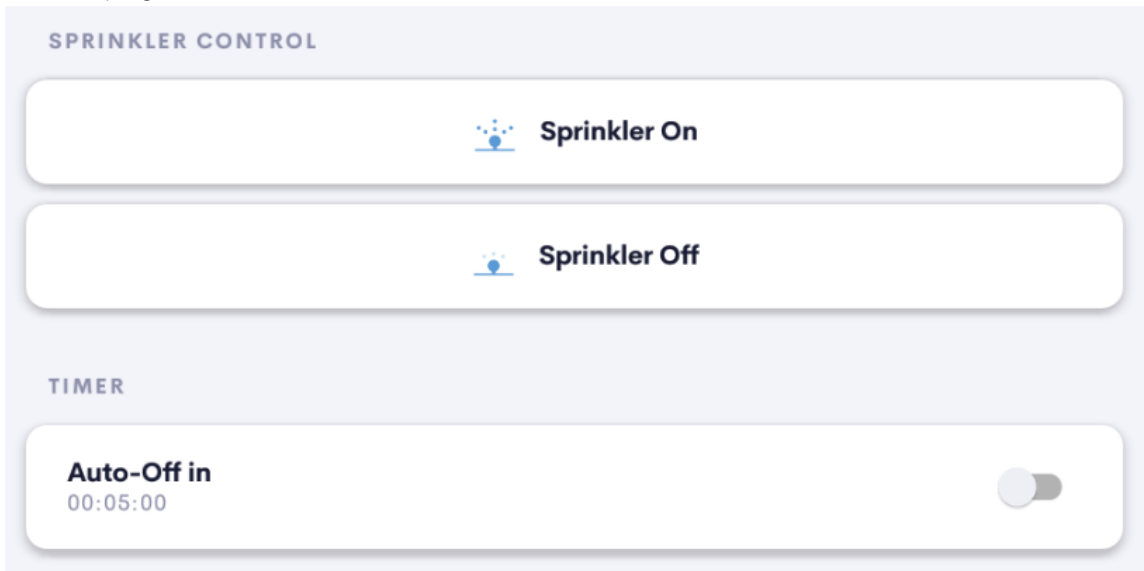


Tile - On state (auto-off enabled).



Time remaining until auto-off

Control page.

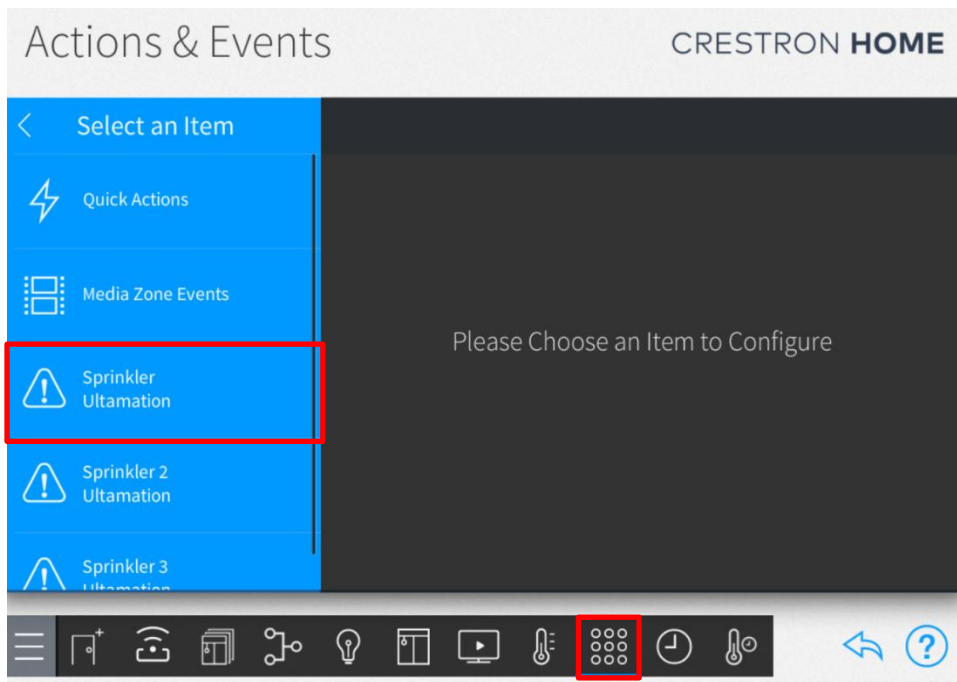


## Actions & Events

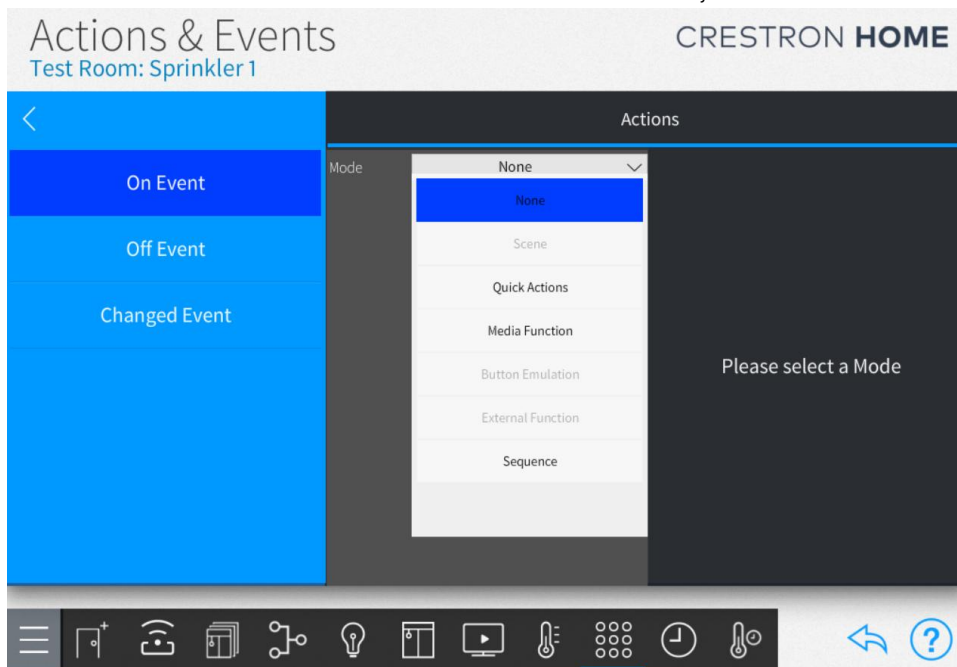
The Toggle Tile has three programmable actions and three programmable events. The On Action puts the tile into its on state and triggers the On Event. Likewise, The Off Action puts the tile into its off state and triggers the Off Event. The Toggle Action changes the state to opposite of the current state and triggers the corresponding event AND the Changed Event.

### Events

A toggle tile's events can be connected to the corresponding device through the Actions & Events menu. Select the tile from the item list.



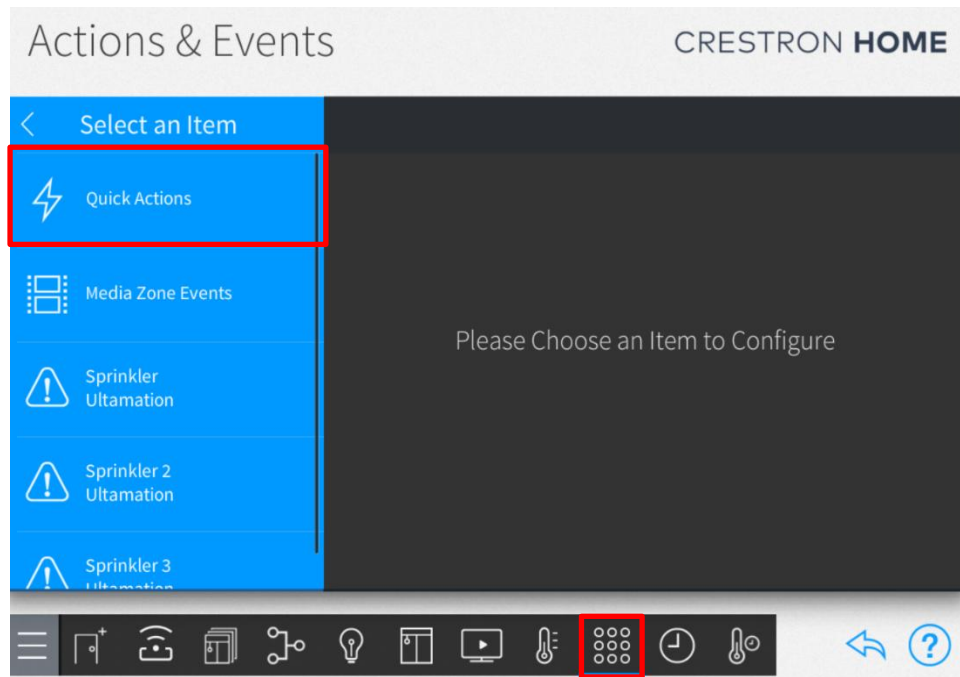
Choose an event, and then find the device function you want to connect to it.



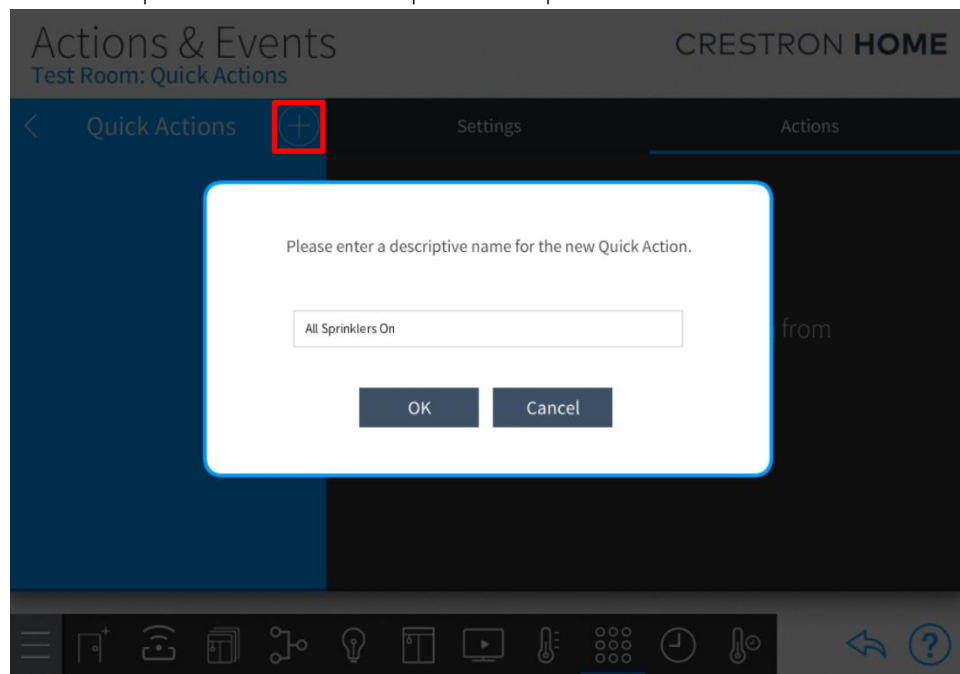
### Actions

Following from the previous example, here is how to create a quick action that turns three of those sprinkler tiles on simultaneously:

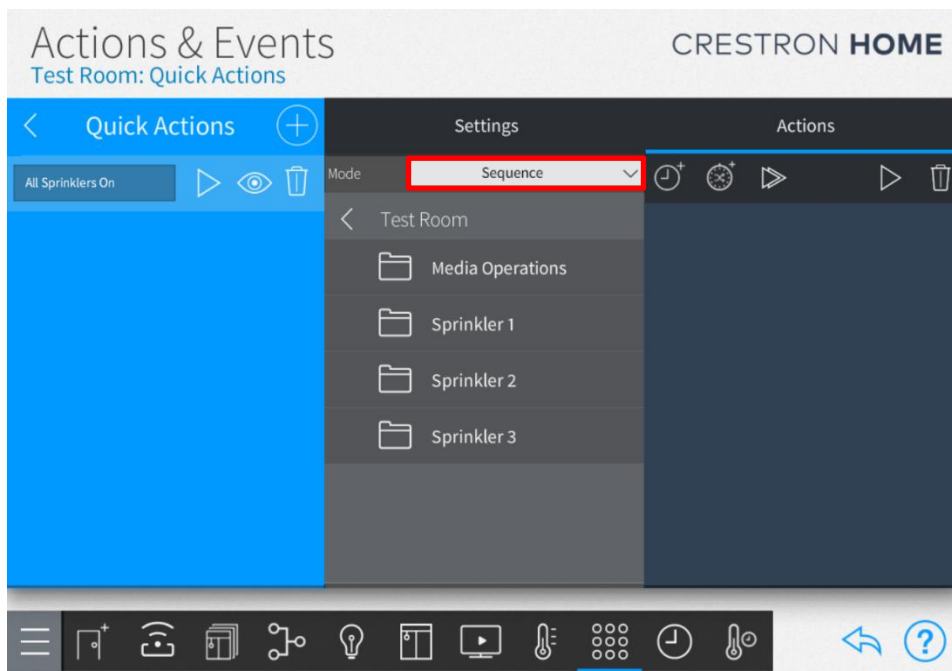
Select Quick Actions from the Actions & Events menu.



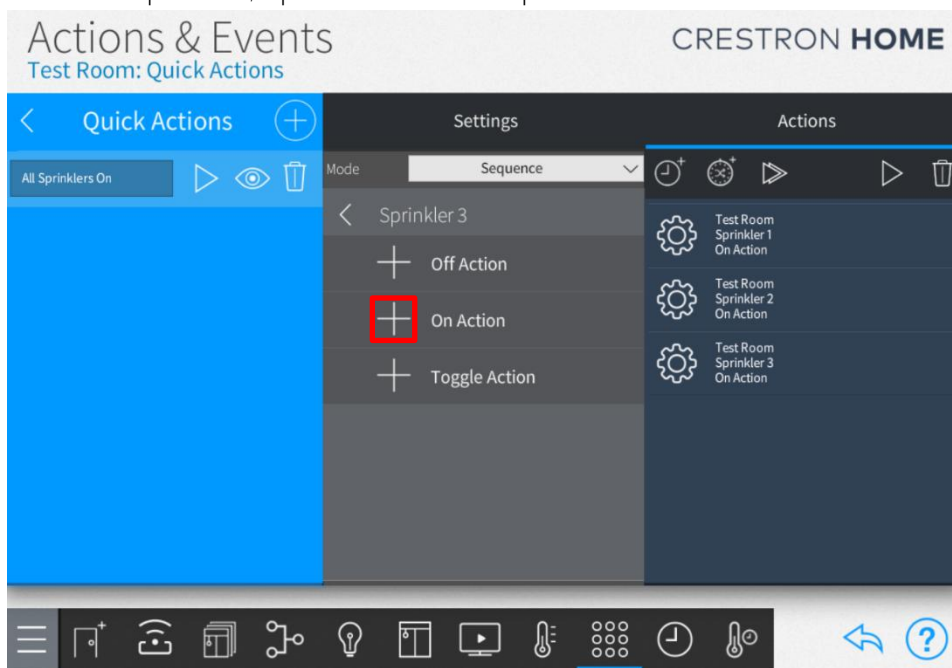
Press the plus button in the top left and provide a name for the new Quick Action.



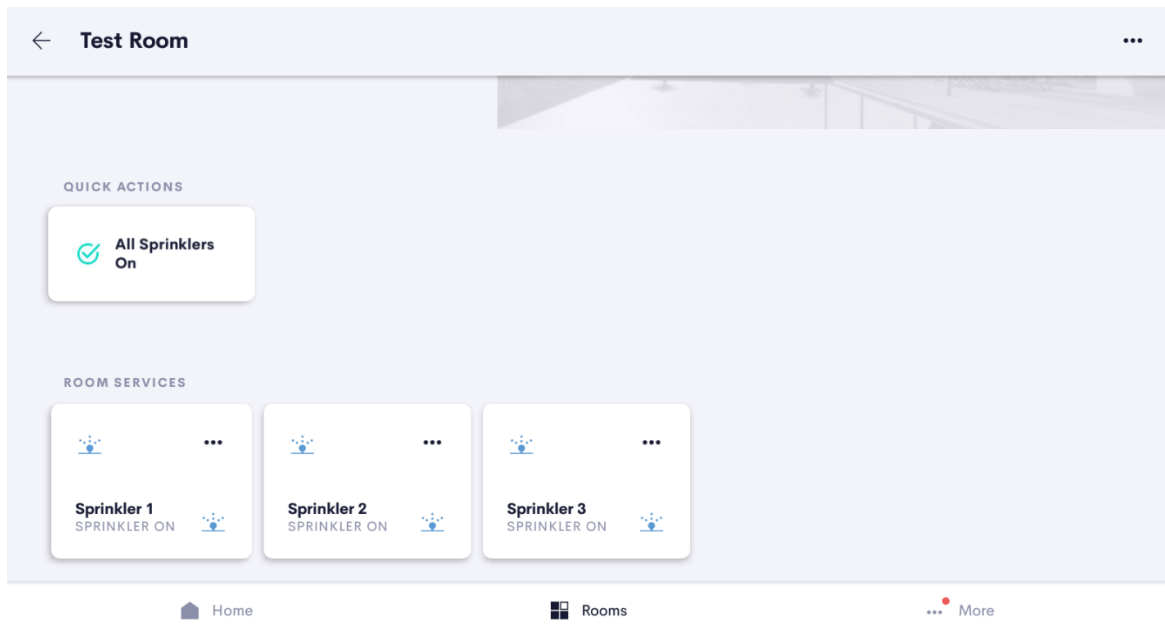
Under actions, select the sequence mode. Then select the room containing the sprinkler tiles.



For each sprinkler, open its folder and press the '+' next to its On Action.



In the room this will create a Quick Action like this, which will turn on all sprinklers when pressed:



## SUPPORT

If you have any issues with an integration solution please let us know by contacting Ultamation support on [support@ultamation.com](mailto:support@ultamation.com) and please include as much detail about your issue as possible, such as a recent processor error log.

Licence verification messages are posted to the error log, so please ensure you have checked this.

## LICENCING

This integration solution (including software, images and all other associated assets distributed as part of the purchased download package) is licenced on a PER PROCESSOR basis.

A purchase should not be completed without correct information as refunds cannot be issued for errors or changes made to details following purchase.

This is an electronic product and there is no physical delivery.

The integration solution is provided without any warranty with respect to the reliability of the controlled device or changes to device protocol. We will endeavour, through best efforts, to maintain the integration solution's functionality and any bug fixes will be provided free-of-charge. Additional functionality may be released as a variation of this integration solution and this will be a separate, purchasable, product.

## CLOUD LICENCE

This integration solution contacts Ultamation's licencing server at startup. If the server finds a matching licence for the integration solution and processor then the integration solution will be licenced. Otherwise, the integration solution will check the offline licence key. If you purchase a licence **after** you have loaded the integration solution, please reboot the system to see changes take effect.

If you purchased a licence **before** it was migrated to the cloud service, i.e. you have a licence key already, you must enter this into the **Offline Key** user attribute. If you purchased the integration solution **after** it was migrated, and you don't have a licence key, no further action is required.

If no licence exists for the product/processor the integration solution will enter a short trial period (ONE HOUR) to allow for verification of correct control or evaluation.

To request an OFFLINE key, please contact [support@ultamation.com](mailto:support@ultamation.com) with your order details and a brief explanation why you REQUIRE offline activation. Ultamation reserve the right to refuse offline activation.

**NOTE:** Once an offline key has been issued no further licence changes will be granted. Moving the integration solution to a new processor will require an additional licence purchase.