

AVIGILON RULE ACTIVATOR FOR CRESTRON HOME

Revision: 1.0

Date: 02 January 2026

SUPPORTED INSTALLATION

This document covers drivers for both Crestron Home and Crestron custom target installations. The functionality is the same in each case, though the installation and configuration differ. To use this driver, you will require an Avigilon hosted system, configured correctly – Ultamation **cannot** provide support on the setup of the Avigilon solution.

The driver requires an Avigilon rule endpoint URL and an associated access Token with the necessary permissions.

DESCRIPTION

This driver provides a simple mechanism to enable or disable rules in the Avigilon system. Such rules may activate security features or trigger other logic. The driver itself merely activates or deactivates a given Avigilon rule.

CRESTRON HOME INSTALLATION

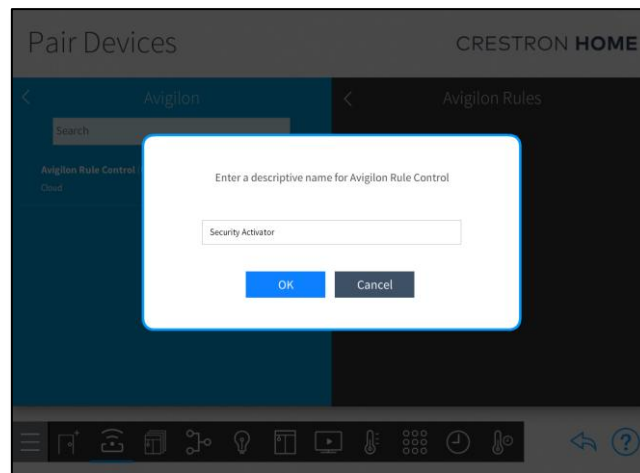
The driver can be found under:

Drivers > Custom Device > Avigilon

Adding the Driver

Ensure a room is selected, and then click on the '+' against the Avigilon Rule Control driver.

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



Avigilon Configuration:

Installation Settings

ⓘ

Avigilon URL

Enter the Avigilon URL for the rule activation.

ⓘ

Authentication Token

Enter the Bearer auth token for the request.

Cancel

Next

The page of installation settings are for you to specify YOUR Avigilon rule endpoint, and access token for activation of the rule.

The URL will have a form similar to this:

https://<site>.<region>.alta.avigilon.com/api/v1/public/ruleActivation/<rule_id>

Where you will need to replace <site>, <region> and <rule_id> with your own values. This URL is correct at the time of driver development, but may change with Avigilon updates. If you have problems finding the correct URL please contact your Avigilon maintainer.

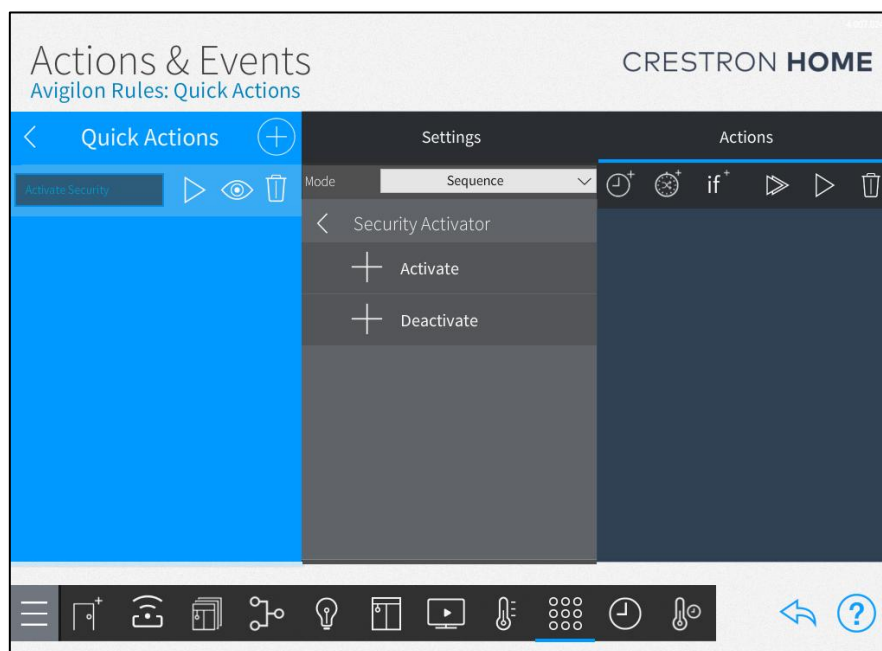
The Token will be a string of alpha-numeric characters and will be generated by the Avigilon system.

You can add multiple instances of the tile to trigger different rules. Only one licence is required.

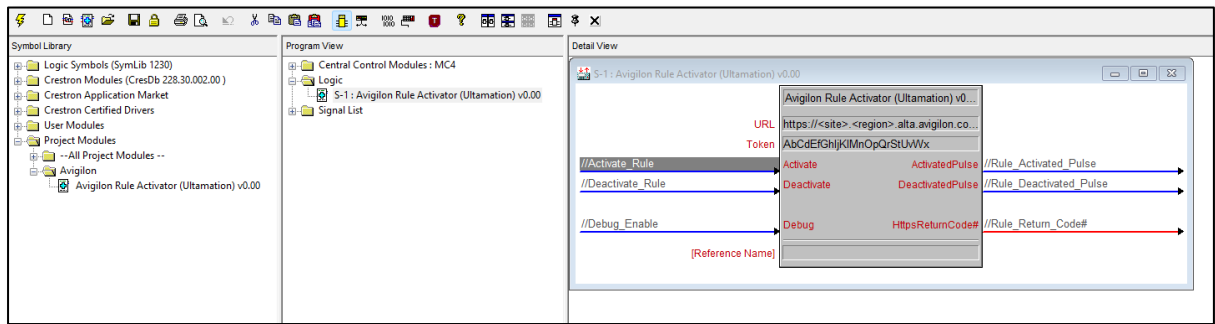
Each instance will create a simple tile in Crestron Home – the rule can be activated and deactivated from the tile. If you do not wish the tile to be user-facing, this can be placed in a "hidden" room.

ACTIONS & EVENTS

Each instance will have Activate and Deactivate events open things up to more customised solutions.



CRESTRON CUSTOM INSTALLATION



The Avigilon Rule Activator module can be found as part of example program which is downloadable from the product page.

Each instance of the module provides basic rule control – Activate and Deactivate – by pulsing the associated input signal.

If the rule action is successful, then the associated output signal will also pulse. Otherwise, the HTTP error code will be returned on the HttpsReturnCode# signal. These will be standard HTTP return codes (i.e. 200 for success, 4xx for client issues, 5xx for server issues). The only exception will be "o" which will indicate an invalid licence.

Further error information will be found in the error log.

If you hold Debug high, this will also generate additional information in the Crestron error log which may prove useful in diagnosing any issues.

The two parameters are MANDATORY. The first is the Avigilon rule endpoint URL. The second is a token generated within Avigilon which had access to invoke the rule. See the Crestron Home explanation for more details.

SUPPORT

If you have any issues with an integration solution please let us know by contacting Ultamation support on support@ultamation.com and please include as much detail about your issue as possible, such 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. If you purchase a licence **after** you have loaded the integration solution, please reboot the system to see changes take effect.

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.