Rachio Smart Hose Timer

The Rachio Smart Hose Timer driver is to be used with the Rachio Smart Watering proxy driver.

Configuration

Prerequisites

Install and configure the Smart Watering with Rachio driver. See Rachio Smart Watering driver documentation for more details.

Driver configuration

1. Specify **Timer Values**, if desired. These values indicate the timers that are available when tapping the Navigator button multiple times. For example, if the **Timer Values** are `5,10,15` then tapping the Smart Hose Timer button in Navigator once will turn the Smart Hose Timer on and set a timer for 5 minutes. If tapped twice, 10 minutes, and so on. Valid values for this property are indicated in the textbox below the property.
2. Specify an **On Default Time**. This value is used when turning on a Smart Hose Timer using a keypad button link.

Properties

- `Cloud Status` : Indicates if the license is activated, expired, or if updates are available.
- `Automatic Updates` : If 'On', automatically installed updates when they become available.
- `Driver Version` - Numeric version of the driver.
- `Status` : The current status of the Rachio Smart Hose Timer. This will indicate if the hose timer is on or off. It also indicates whether the `Timer Values` property was successfully updated or if invalid values were entered.
- `Log Level` Print messages to the 'Lua' tab, and also log to the Control4 debug log. Debug level prints detailed debug information from the driver.
- `Timer Values` : The times that are available for the Navigator button. For example, the first value is the time that is set on first tap of the button. Each successive tap within the first 5 seconds will cycle through these values followed by 'Off' as the final value. Valid values are listed below this property.
- `On Default Time` : The time set when using the 'On' button link.

Navigator Button

This driver provides icon buttons for use in room navigators.

1. Select a Room in the **System Design** pane.
2. In the **Navigator** tab, choose an **Experience Menu** and click **Modify**.
3. Find the Smart Hose Timer device in the **Hidden Devices** list and click **<< Show** to make it visible.
4. Click **OK**.
5. Refresh navigators to see the button.

Off	On (10 minutes)

Usage

- When off, tapping the navigator button will turn on the smart hose and set the time to the first value configured for the **Timer Values** property.
- Each successive tap within the first 5 seconds will cycle through the **Timer Values**. For example, if the **Timer Values** are `5,10,15` then tapping the button once will turn the Smart Hose Timer on and set a timer for 5 minutes. If pressed twice, 10 minutes, and so on.
- After 5 seconds, the next tap will turn the Smart Hose Timer off.
- During watering, the timer indicator on the button will update as the timer runs down. The button is able to display the following times - 1,2,3,4,5,6,7,8,9,10,15,20,25,30,45,60,90,120. For example, if there are 26 minutes remaining on the timer, the button will still show 30. But once the timer reaches 25 minutes remaining, the button will show 25.

Keypad Button Link

There are button link control outputs available on each Rachio Smart Hose Timer device in the project. Find them in the Connections pane of Composer Pro.

- Toggle: Toggle the Rachio Smart Hose Timer on and off with a single button.
- On: Turn the hose timer on. Timer will be set to the value of 'On Default Time' property. Default is 10 minutes.
- Off: Turn the hose timer off.

Programming

Various events, commands and variables are available to allow users to easily program the Rachio Smart Hose Timer.

Events

- "When watering starts"
- "When watering stops"

Commands

- "Start watering": "Timer" parameter specifies the time that the water runs.
- "Stop watering"

Variables

- `IS_WATERING` is a boolean variable that is set to `1` (true) when watering and `0` (false) when not watering.
- `TIME_REMAINING` is an integer variable that is set to the number of minutes remaining when watering. Value is `0` when not watering.

These variables can be used in programming either as events or as conditionals:

Events

- "When IS_WATERING changes"
- "When TIME_REMAINING changes"

Conditionals

- "If IS_WATERING is false" or "If IS_WATERING is true"
- "If TIME_REMAINING is <= 1"

Support

We hope you have a trouble-free experience with this driver. If you encounter problems, please contact Driver Central support as a first step. If they're unable to resolve your problem they will escalate the problem to Blessing Innovations LLC.

If there are additional features you would like to see in this driver, please submit them by creating an issue at https://gitlab.com/dblessing/c4-rachio-smart-watering/-/issues.