

Smart Watering Valve – Control4 Driver

The **Smart Watering Valve** driver is designed to be used in conjunction with the **Smart Watering with Rachio** proxy driver. It represents individual sprinkler zones or Smart Hose Timers within the Control4 ecosystem.

Configuration

Prerequisites

Ensure the **Smart Watering with Rachio** driver is installed and properly configured before adding this driver. Refer to the Smart Watering with Rachio documentation for setup instructions.

Driver Configuration

- Timer Values** (optional): Specify the watering durations available through the Navigator UI. Example: If set to `5,10,15`, tapping the Navigator button once sets a 5-minute timer, twice sets 10 minutes, and so on. Valid values are displayed beneath the property in Composer.
- On Default Time**: This value is used when activating the valve through a keypad button (using the **On** control output). Default is 10 minutes.

Driver Properties

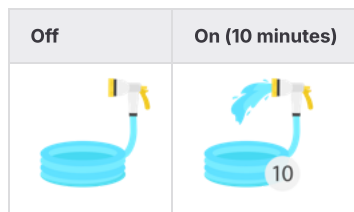
Property	Description
Cloud Status	Indicates whether the license is activated, expired, or if updates are available.
Automatic Updates	If On , the driver auto-updates when new versions are available.
Driver Version	Displays the current driver version.
Status	Current valve state: On/Off. Also reflects success or failure of timer value updates.
Icon Set	Icon set for Navigator: choose from Hose , Grass , or Flowers . Auto-selected during auto-creation but can be changed.
Log Level	Logging detail for Composer's Lua tab and the Control4 debug log.
Timer Values	Comma-separated list of timer durations available via Navigator. Taps cycle through these values.
On Default Time	Timer used when triggering the On button link.

Navigator Integration

This driver includes experience buttons for display in room Navigators.

To display the button:

- Select a room in the **System Design** pane.
- Go to the **Navigator** tab.
- Choose an **Comfort** and click **Modify...**
- Locate the valve device in **Hidden Devices** and click **<< Show**.
- Click **OK** and refresh navigators to apply.





Button Behavior

- **First tap:** Turns on the valve using the first time from the `Timer Values` list.
- **Additional taps** (within 5 seconds): Cycle through configured timer values.
- **After 5 seconds:** The next tap will turn the valve off.
- **Time display behavior:** The Navigator button shows the closest matching timer from the following list: `1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 15, 20, 25, 30, 45, 60, 90, 120`. For example, if 26 minutes are remaining, the button displays `30` until the timer reaches `25`.

Keypad Button Integration

Each valve device exposes control outputs in the **Connections** pane of Composer Pro:

- **Toggle** – Switches the valve on or off.
- **On** – Turns the valve on for the duration specified in the `On Default Time` property.
- **Off** – Immediately turns the valve off.

Programming Integration

The Smart Watering Valve driver supports various events, commands, and variables to facilitate advanced Control4 programming.

Events

- When watering starts
- When watering stops
- When `IS_WATERING` changes
- When `TIME_REMAINING` changes

Commands

- **Start watering** – Starts watering. Accepts a `Timer` parameter (in minutes).
- **Stop watering** – Stops watering immediately.

Variables

Variable	Description
<code>IS_WATERING</code>	Boolean value: <code>1</code> (true) if currently watering, <code>0</code> (false) otherwise.
<code>TIME_REMAINING</code>	Integer representing minutes left on the active watering timer. <code>0</code> if off.

Conditionals (Examples)

- If `IS_WATERING` is true – Valve is currently on.
- If `TIME_REMAINING` ≤ 1 – One minute or less remains on the timer.

Support

We hope you have a smooth experience with this driver. If you encounter issues:

1. Contact [Driver Central Support](#).
2. If the issue cannot be resolved, it will be escalated to **Blessing Innovations LLC**.

To request features or report bugs, visit the GitLab issue tracker: [👉 Submit an Issue](#)