



Repeat



User Guide

The Repeat Group app is used to run all apps within the group multiple times, while a given repeat condition remains true. You can have the apps repeat a defined number of times, forever, or while a defined modbus configuration is detected. You can also define *when* the Repeat app will be restocked (the apps within the group will be executed another time). The available restocking actions include: immediately, after a given time, when a modbus signal is detected or when a user interaction is detected.

Tab: Repeat Setup

Define how many times the apps within the repeat group will be executed.

Option: Repetition Mode - Count

Select this option to repeat the apps within the group for a given number of times (or forever). Use the slider to select the number of repetitions, or select 0 for unlimited repetition.

Option: Repetition Mode - Modbus

Select this option to repeat the apps while a defined modbus configuration is detected.

In the modbus configuration section, select whether you want to wait for an Input or Output modbus signal.

Configure the modbus signal, including Module(s), Cards(s) and Pin(s). Click on the pins to indicate whether the signals should be on (green) or off (red).

Select whether all of the configured signals should be detected, or at least one of the configured signals should be detected.

Tab: Restocking Action

Select from one of four restocking options for when the apps within the repeat group should be executed again.

Option: Repeat

The apps will be re-run immediately after the last app within the group has finished executing.

Option: Wait

After the last app within the group has finished executing, the repeat app will wait for a defined number of seconds before restocking.

Option: Wait for modbus

After the last app within the group has finished executing, the repeat app will wait for the defined modbus signal to be detected before restocking.

Option: User Interaction

After the last app within the group has finished executing, the repeat app will wait for a user interaction (tapping on the robot) to be detected before restocking.

Tab: Duration

Define the duration, in seconds, to use as a delay when using the wait restocking action.

Tab: Modbus Configuration

Define the modbus configuration to be used, when using the *Wait for Modbus* restocking action. You can also define whether all of the configured signals should be detected, or at least one of the configured signals should be detected.