



## Homemation Occupancy Driver

This driver allows for quick & easy setup of Occupancy for a room to turn lights, AV & HVAC off when there has been no movement for a defined period.

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### Features:

- Ramp dimmers to a pre-set level on Occupancy
  - Set an Occupancy Timeout of 1 minute to 1 hour
  - Turn a rooms AV off when Occupancy Timeout is reached
  - Control Thermostats based on Occupancy
    - This was tested & works well with the Chowmain Intesis & Sensibo Driver but should work with all Thermostat Drivers
  - Enable or disable the Occupancy via UI Button on a Navigator
  - Enable, Disable or Toggle the driver with a Keypad with LED feedback
  - A separate but FREE Occupancy Controller driver to update multiple Occupancy Drivers simultaneously from programming. This is a HUGE time saver!
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### Properties:

#### Driver Settings

- **Timer Status:** Indicates if timer started countdown, stopped for movement or expired
- **Driver State:** Enabled or Disabled

#### Keypad Settings

- Select the LED feedback colours when linked to a keypad

#### Sensor Settings

- **Sensors:** Motion sensors that trigger the Occupancy Timer
- **Timeout [M]:** Duration after motion is detected before timer expires

#### Lights Settings

- **Light(s) on with Occupancy:** Set to "no" for Vacancy-only mode (lights won't turn on but will turn off when timer expires)
- **Light(s) off on Timeout:** Disable to prevent lights turning off when timer expires
- **Lights:** Lights controlled when Occupancy is detected/timer expires
- **Dimmer ON Level:** Level dimmers ramp to when Occupancy detected
- **Dimmer ON Ramp Time [S]:** Duration for dimmers to ramp on
- **Dimmer OFF Ramp Time [S]:** Duration for dimmers to turn off
- **Activate Switches:** Toggle whether switches turn on/off (useful for early hours when you might only want dimmers at low level)

## Thermostat Settings

- **Thermostat(s) On with Occupancy:** Toggle thermostat activation on Occupancy
- **Single Setpoint on Occupancy:** Temperature to set thermostats to (must support single setpoint commands)
- **HVAC Mode on Occupancy:** Mode to set (Off, Auto, Heat, Dry or Cool)
- **Fan Mode on Occupancy:** Fan mode to set (Auto, Low, Medium, High, 1, 2 or 3)
- **Thermostat(s) Off on Timeout:** Toggle whether thermostats turn off when timer expires
- **Thermostats:** Thermostats to turn off when timer expires

## AV Settings

- **Room Off on Timeout:** Toggle whether rooms send "Room Off" when timer expires
- **Rooms to Turn AV Off:** Rooms to turn off when timer expires

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## Programming:

### Programming Events

- When Occupancy Starts
- When Occupancy Expires
- When Occupancy Resets
- When Occupancy Stops
- When Driver is Enabled
- When Driver is Disabled

### Programming Actions:

- Start, Stop, Restart or Expire the Timer
- Enable or disable the Driver
- Change the timeout value in Minutes
- Change if the Light(s) turn on with Occupancy
- Change the dimmer(s) ON level value
- Change the dimmer(s) ON ramp on time in seconds
- Change the dimmer(s) OFF ramp on time in seconds
- Enable or disable Switch(es) from activating

- Enable or disable Thermostat(s) turning On with Occupancy
  - Set the Single Setpoint on Occupancy
  - Set the HVAC Mode on Occupancy
  - Set the Fan Mode on Occupancy
  - Enable or disable Thermostat(s) turning Off on Timeout
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## Occupancy Driver Controller Driver

- **Programming actions:** Same as Occupancy Driver but can select multiple drivers to update simultaneously
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## FAQ

### Q: Can you give us some examples of how we could use this driver?

- Quickly create occupancy scenarios without programming - just select timeout, sensor, lights, thermostat
- Use as an "all off" for entire project (turn off all lights, AV & HVAC with one command)
- Create an "all on" by simulating Occupancy briefly

### Q: Why did you make the driver?

- Started from frustration with sales staff leaving cinemas running after demos
- Many dealers asked how to program occupancy correctly

### Q: Can you have more than one Occupancy Driver per project?

- Yes - add driver for each room with motion sensor

### Q: Do you have to use it with Lighting?

- No - can use just for HVAC or AV control

### Q: What's with the Occupancy Controller Driver?

- Allows updating multiple driver instances simultaneously (e.g., update 15 drivers with same settings via schedule)

### Q: Why the HVAC Control?

- Useful for rooms not used all day (turn on when in use, off when not)

### Q: I want to try before I buy...

- Driver comes with free 15-day trial

### Q: What's with the keypad connections?

- Allows easy room welcome/shutdown via keypad buttons

### Q: Why wouldn't I want to activate lights on Occupancy?

- Useful for children's rooms - don't turn lights on during day but always shut down when empty
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## Changelog

### Version 20250801

- Converted the documentation to Markdown
- Refreshed some code in preparation for later OS X4 releases
- **IMPORTANT:** DriverCentral Cloud Driver needs to be on version 1033 or higher

### Version 20201216

- Fixed comparison code for Conditionals
- Added more Fan Mode options
- Added ability to not turn lights off on timeout
- Added extra debugging feedback

### Version 20201212

- Added code for Follow Me Driver
- Fixed bug with activating switches on first occupancy
- Added ability to change "Light(s) On with Occupancy" from programming
- Refreshed icon look

### Version 20190916

- Cleaned up keypad color update code
- Added property to choose to activate lights on Occupancy
- Added 5 new keypad connections for enhanced control

### Version 20190903

- Fixed comparison problem with Conditionals
- Added more Fan Mode options

### Version 20190901

- Corrected problem with updating keypad colors via connections

### Version 20190221

- Increased Occupancy Timeout max to 480 minutes
- Added Programming Command to simulate occupancy
- Added Thermostat control functionality
- Added Occupancy Master Control Driver

### Version 20180804

- Neatened properties page
- Added keypad connections with color feedback

#### **Version 20180130**

- Fixed event firing when driver was Enabled/Disabled
- Improved logic for sensors with long occupancy holds

#### **Version 20171007**

- Initial Release