How to configure lighting control for a small-office setting

Before using the cheat sheet, please make sure you have the basic Casambi App knowledge for creating a network, pairing devices, creating groups and enabling control hierarchy. For more information, please refer to the tutorial videos on: https://casambi.com/training/

Scenario

Small-office with one lux/presence sensor

An office with 2 luminaires (L1 and L2) and one presence/lux sensor (S1) positioned over the desk. When occupied, lights automatically switch on and try to maintain the illumination on the desk at 500 lux.

Key Programming Overview

1 Scene

 Office - Daylight scene (Closed loop daylight with target lux level set to 500 lux).

1 Sensor

- Presence mode: It activates the Office scene while movement is detected.
- Daylight: It measures the lux level and adjusts the lights to maintain the target lux level set.

CASAMBI



Casambi Cheat Sheet: V2.0 EN

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Information in this document is subject to change. For more information www.casambi.com/support

Casambi Cheat Sheet

Office: Small-Office (Close loop)

STEP 2: SENSOR	Casambi App
C Back S1 INFORMATION Name Name S1 Icon Tap to set ⇒ Vendor Casambi Technologies Gy Model DemoCube Sensor Details ⇒ ressence tensor ⇒ messence tensor ⇒	
<text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></text></text></text></text></text></text></text></text>	Control Symp Image: Second
	 Sensitivity and Tolerance adjustment to ensure lights do not react too fast to rapid changes of external illumination. Configuring a closed loop scene to achieve 500lx on a surface: Place a lux meter on the surface below the sensor Dim the lighting to achieve the desired lux on the surface (500lx measured by the lux meter positioned on the desk) In the Casambi app, read the lux value being measured by the sensor (this is likely to be different from the 500lux target, for example, 400lx) Use the sensor lux value (400lx) as the target lux value (Desired iluminance) in the Closed loop daylight scene. Set up the daylight scene when no "external light" is affecting the lux in the room (e.g. at night). So, <u>ONLY</u> the 2 luminaires provide the illumination.
STEP 3: PERFORMANCE	Casambi App
Cascel Performance & Security Done Image: Security Control of the security of the securety of the securety of the securety of the secur	H Min sensor reporting time defines how often lux sensors report values to the network. Choosing a higher interval reduces network traffic, especially in networks with many sensors.

Allow unpair
 Allow flick unpair

Allow firmware updates

Devices always visible

ISSION POWER



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Scenario

Small-office with a switch and outdoor lux sensor

- An office with 2 luminaires (L1 and L2), one lux sensor (S1) positioned outside the building, and one EnOcean switch.
- Lights are switched on/off from the switch.
- While On, the lights automatically dim up or down as it gets brighter or darker outside.

Key Programming Overview

1 Scene

Office - Daylight scene: (Open loop daylight with appropriate response graph defined).

1 Sensor

• Daylight: It measures the lux level and adjusts the dimmed level of the scene while it is active.

1 Switch

Scene

The switch triggers on/off the Office scene.

STEP 1: SCENE









Casambi App



Define the **Response Graph** so that it doesn't get too dark in the room when there is insufficient natural light.





Casambi Cheat Sheet

Office: Small-Office (Open loop)

STEP 2: SENSOR		Casambi App ——————————————————————————————————	More		
♦ Back \$1 R#ORMATION Name Name \$1 Icon Tap to set > Vendor Daniers Limited Model CBU-CESR Details > PESSINCE SENSOR > © Daylight sensor 106 fux > The sensor measures the light level and daylight finited content sensored at Units of the light sensor > © Uppair device > © Uppair device > Usensor file file, device so that it can be added to architer for the originates of the content retroer. (*)			Tolerance: How much ove	er-/under-shoot	be before any sensor reaction. of the actual target value is to fast to rapid changes of
STEP 3: PERFORMAN	NCE	Casambi App — N	More ————————————————————————————————————	etup — I	Performance & Security
Mini sensor reporting time 0.01 > Reduces network data traffic. Increase the time to Increase the continuously send information Allow upper Allow tipset Allow fick upper Allow fick upper Macmun RADIO TRANSMISSION POWER Macmun Request, baset action transmission power to the maximum	1	Min sensor reporting time of higher interval reduces netwo			



Use toggle: If enabled, one push of a switch will activate the set function (e.g. Select a scene). A second push will deactivate it. Disabling this function means that pushing a switch will only activate the selected function.

Disable dimming: Disabling dimming prevents a long button push from adjusting the preset scene dimmed level.

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Devices always visible