

application ideas

HOW MOTION SENSORS “MAKE SPACE” AND SAVE MONEY

MOTION & DAYLIGHT CEILING SENSOR

POE-CS2

- ▶ PIR MOTION & LIGHT LEVEL
- ▶ CEILING OR IN-FIXTURE MOUNTING
- ▶ SPACE-USE OPTIMIZATION
- ▶ ENHANCING EMPLOYEE EXPERIENCE



How many times have you worked in or visited a building where every conference room was booked? How many times in that situation did you wander around the building to find a vacant room? We've all been there. In buildings that are over-utilized, it's a common problem.

One simple way to solve the problem is by using a motion sensor paired to a color beacon or backlit color wall station. Platformatics Connect makes it easy for the system administrator to set a "scene" in the software.

By tying a motion sensor to a color beacon light or color backlit wall station, it's easy to detect when people are in the room and show the status. If motion is detected, the color light or beacon illuminates red. This indicates that the room contains people. If no motion is detected for 5 to n-number of minutes, the light turns green—thus signaling to wandering users that the room is vacant.

While this is a simple strategy, for customers with larger sites, it may be useful to connect the motion output signal for this scene to a room reservation system. For rooms that are reserved, the beacon should remain red until 30 minutes before the end of the meeting. At 30 minutes before the meeting ends, the beacon could turn yellow to indicate that the room is currently occupied but not booked at the top of the next hour. The priority for booking it another hour could be given to the current user.

They might have 10 minutes to decide (we might indicate a room reservation extension by blinking the meeting room lights 30 minutes before the meeting ends. Alternatively, we could have a color indicator in the room that blinks blue or another color to signify that the user has 10 minutes to extend. Meanwhile, the yellow light outside the room would turn green at the top of the hour.

It's even possible to use a scene control input on the room's wall station to reserve the room until the top of the next hour (or thirty minutes). This would allow a user without room reservation login credentials to grab the room.

In the future, building operators may want to measure the efficacy of a room reservation. What they find might surprise them. While some employees will only reserve the right-sized room for their meeting, more often this is not the case. It is common for large meeting rooms to be occupied by a handful of people. By tying the room reservation system to the Platformatics API, it's possible to build a user compliance list and identify the most efficient room users vs the most wasteful. Ultimately users might be directed in an intelligent way to the most effective rooms for their meeting profile.

At the end of the day, motion sensing, scene controls, color beaconing and people counting are used to "Make Space" by ensuring it's not wasted.



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