

Motion Sensors for Workplace Lights

Your effort supports U-M's waste reduction goal:

Reduce scope 1 and 2 greenhouse gas emissions by 25% by 2025.



How They Help

Control of lights through motions sensors may be appropriate for areas that are used intermittently throughout the day. For example: single occupancy offices, kitchens, break rooms, and bathrooms. By automatically turning off after a few minutes, motion sensors prevent energy waste.

Types of Motion Sensors

Switch Mounted Sensor

This sensor works for smaller areas or single occupancy offices. By installing a switch-mounted motion sensor you could save approximately \$30/year. The cost of the device and its installation is typically around \$800.



Ceiling Mounted Sensor

These sensors function best for cubicles or larger open spaces. Since these units often cover more area, they can also save you more—over \$200/year. However, the average cost of the device and installation is also higher, at roughly \$1,300. The payback for this type of motion sensor is 6.5 years.



If you are interested in arranging installation of motion sensors, [contact](mailto:energyconservation@umich.edu) your regional energy manager or email energyconservation@umich.edu.

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