**Electrical Energy**

**(EE08)**



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| **Fact Sheet EE08: Use occupancy sensors to switch-off electrical loads (except the minibar) when no one is in the room** |
| **Overview** |
| *Objective* | Reduce electrical energy consumption in guestrooms |
| *Action* | Install occupancy sensors or key card switches to switch off electrical loads when guests are not in their rooms |
| *Key Challenges* | Coordinating the installation process with room occupation |
| **Process** |
| *Complexity* | Low |
| *Equipment & Material*  | Units to be installed |
| *Human Resources* | Maintenance and engineering department personnel |
| **Considerations** |
| *Regulatory Aspects* | None |
| *Economic*  | Relatively low CAPEX, low OPEX and reasonable expected net annual savings |
| *Advantages* | * Easy to implement and install
* multiple off-the-shelf technologies available
 |
| *Disadvantages* | Difficult to estimate actual savings |
| **Impacts** |
| *Environmental* | Pollution reduction by avoiding CO2 emissions |
| *Employment Opportunities* | None |