Part 1. Wireless Single and Dual Paddle Self-Powered Wall Switches

## SELF-POWERED WIRELESS WALL SWITCHES

* + 1. Wall Switches
       1. The Self-Powered Wireless Wall Switches shall be the Echoflex PTM265 Decorator Style Switch by Echoflex Solutions, Inc., or equal.
       2. Mechanical
          1. Switches shall be decorator style plastic switches
          2. Switches shall be available in single and dual paddle rocker switch configurations
          3. It shall be possible to attach multiple switches together using surface mounting plates available from the manufacturer or standard electrical gang boxes
          4. Mounting plates for surface mounting shall be provided with PTM265 switch assemblies
          5. All Switches shall be available in ivory, black, and light almond
          6. Switch faceplates are not provided with PTM265 switch assemblies
          7. Switches shall have a fully enclosed electronics assembly
          8. Switches shall be constructed of ABS plastic
       3. Electrical
          1. Switches shall use 902 MHz EnOcean radios. Systems that use other frequencies radios shall not be acceptable
          2. Switches shall utilize kinetic energy harvesting that does not require any batteries or external power input
          3. Switches shall have a lateral range of at least 24 m (80 ft.) – commercial office space, (typical), up to 100 m (330 ft.) line of sight
          4. Switches shall comply with FCC Part 15.231 and IC RSS- 210
       4. Functional
          1. Switches shall be able to switch loads on and off when used with compatible wireless load controllers
          2. Switches shall be able to dim loads up and down when used with compatible wireless dimming controllers
          3. Switches shall be able to adjust LED color temperature when used with compatible wireless tunable white controllers

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