Part 1. Wireless Pushbutton Wall Switch Stations

## PUSHBUTTON WIRELESS WALL SWITCH STATIONS

* + 1. Wall Stations
       1. The Pushbutton Wireless Wall Switch Stations shall be the Echoflex MBI-2, MBI-4, and MBI-8 Series by Echoflex Solutions, Inc., or equal.
       2. Mechanical
          1. Stations shall be multi-button, decorator style plastic switches
          2. Stations shall be available in 2 button, 4 button, or 8 button assemblies
          3. Stations shall mount upon a flat surface without requiring any additional brackets

Stations can be adhered to the flat surface using double sided tape or using screws and wall anchors

* + - * 1. It shall be possible to attach multiple switches together using standard decorator style face plates available from the manufacturer or electrical distributors
        2. UL rated Barrier Plates shall be available from the manufacturer for mounting over electrical junction boxes
        3. Stations shall be available in white and gray
        4. Station assemblies shall include screw-less faceplates
        5. Stations shall have a fully enclosed electronics assembly
        6. Stations shall be constructed of a PC+ABS plastic blend
      1. Electrical
         1. Stations shall use 902 MHz EnOcean radios. Systems that use other frequencies radios shall not be acceptable
         2. Stations shall be powered by a single replaceable coin cell battery

Battery life shall provide up to 100,000 button activations or 10 years

* + - * 1. Stations shall have a range of at least 24 m (80 ft.) – commercial office space (typical), up to 100 m (330 ft.) line of sight
        2. Stations shall comply with FCC Part 15.231 and IC RSS- 210
      1. Functional
         1. Stations shall be able to switch loads on and off when used with compatible wireless load controllers
         2. Stations shall be able to dim loads up and down when used with compatible wireless dimming controllers
         3. Stations shall be able to adjust color temperature when used with compatible wireless tunable white controllers

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