# Wireless Cubicle Sensors

## Wireless Sensors

### Cubicle Controller Sensor

#### The Cubicle Controller Sensor shall be the Echoflex ERUSB-CU Series Cubicle Controller Sensor by Echoflex Solutions, Inc., or equal.

#### Mechanical

##### The Sensor shall be constructed of ABS injection molded plastic

##### The Sensor shall provide a short range occupancy sensor with a range of at least 6 feet

##### The Sensor shall have a button for linking the sensor to a wireless controller

The button shall be accessible when the Sensor is mounted

##### The Sensor shall utilize a USB connection for power input

###### A 3-foot cable USB type A to USB mini-B shall be included

##### The Sensor shall support peel-and-stick mounting using double sided tape or Velcro to any surface

##### The Sensor shall be available in black

##### The Sensor shall have a fully enclosed electronics assembly

#### Electrical

##### The Sensor shall use 5.0V USB power

###### An external power supply shall be supported

##### The Sensor shall use a 902 MHz EnOcean radio. Systems that use other frequencies radios shall not be acceptable

##### The Sensor shall have a range of at least 80 feet through walls (laterally) up to 300 feet in open space

##### The Sensor shall comply with FCC Part 15.231 and IC RSS-210

#### Functional

##### The Sensor shall transmit cubicle occupancy status to compatible wireless lighting controllers

##### The Sensor shall switch loads on and off via the button when used with compatible wireless load controllers

##### The Sensor shall have the ability to provide for either occupancy or vacancy operation based on the configuration settings of the compatible linked wireless lighting controllers

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