# Part 1. Wireless Transmitting Wired Sensor Power Pack

* 1. WIRELESS OCCUPANCY SENSOR
     1. Sensor Power Pack
        1. The Transmitting Wired Sensor Power Pack shall be the Echoflex ERDRC-ETU Transmitting Sensor by Echoflex Solutions, Inc., or approved equal
        2. Mechanical
           1. The Sensor Power Pack shall mount to a ½” electrical junction box knock out using the threaded nipple and retaining nut
           2. The Sensor Power Pack shall have a button to enable or disable telegram repeating and a teach button for linking to compatible controllers

The buttons shall be accessible when the Controller is mounted

* + - * 1. The Sensor Power Pack shall have two LED indicators to display status and telegram repeating operation
        2. The Sensor Power Pack shall be UL2043 plenum rated
      1. Electrical
         1. The Sensor Power Pack shall be available in a 120/277/347VAC, 60 Hz configuration.

##### The Sensor Power Pack shall support wired low voltage occupancy sensor connections

###### The Power Pack shall supply 75mA of 24VDC power for wired occupancy sensor power

###### The Power Pack shall support dry contact input for wired occupancy sensor status

* + - * 1. The Sensor Power Pack shall use a 902 MHz EnOcean radio. Systems that use other radio frequencies shall not be acceptable
        2. The internal radio shall have a range of at least 80 feet through walls (laterally), up to 300 feet in open space
        3. The Sensor Power Pack shall be ETL listed, conform to UL 508, and certified to CAN/CSA Standard C22.2 No.14
        4. The Sensor Power Pack shall comply with FCC Part 15.231 and IC RSS-210
      1. Functional
         1. The Sensor Power Pack shall wirelessly transmit the connected wired occupancy sensor state
         2. The Sensor Power Pack shall have the ability to provide for either occupancy or vacancy operation based on the configuration settings of the compatible linked wireless lighting controllers
         3. The Sensor Power Pack shall transmit minimum every 120 seconds when the PIR is activated

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