Part 1. Wireless Active Circuit Transmitter

* 1. WIRELESS TRANSMITTER
     1. Active Circuit Transmitter

The Power Sensor shall be the Echoflex ERM-xAU Series Active Circuit Transmitter by Echoflex Solutions, Inc., or approved equal.

* + 1. Mechanical
       1. The Transmitter shall mount inside a standard electrical junction box
       2. The Transmitter shall have Repeater enable/ disable and status buttons for configuration
          1. The buttons shall be accessible when the Power Sensor is mounted prior to the installation of junction box cover
       3. The Transmitter shall have two LED indicators to display power and status information
       4. Electrical

1. Transmitter supply voltage shall be one of the following:

1) 120-277 VAC, 50/60Hz

2) 90-240 VAC, 50/60Hz

3) 24 VAC/VDC

1. The Transmitter 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 transmitter shall be ETL listed, conform to UL 508, and certified to CAN/CSA Standard C22.2 No.14
4. The Transmitter shall comply with FCC Part 15.231 and IC RSS-210
   * + 1. Functional
5. The Transmitter shall monitor power from a connected circuit and transmit the circuit status to connected controllers as occupancy status
6. The Transmitter shall provide the option of single or dual-hop wireless signal repeating to other controllers. Systems that do not provide signal repeating shall not be acceptable

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