# Wireless Keycard Switches

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#### The Keycard Switches shall be the Echoflex KSS-UW Series Keycard Switch Stations by Echoflex Solutions, Inc., or equal.

#### Mechanical

##### Keycard Switches shall be a standalone switch with an exposed slot that accepts cards meeting ISO/IEC 7810: ID-1 card specifications

###### The slot shall not allow embossed cards to be inserted

###### The station shall allow a card to be inserted and removed

##### Keycard Switches 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

##### UL Standard 514D rated Barrier Plates shall be available from the manufacturer for mounting the station over electrical junction boxes

##### Keycard Switches shall be available in white

* + - * 1. Keycard Switches shall include screw-less faceplates

##### Keycard Switches shall be constructed of PC+ABS plastic

##### Keycard Switches shall have a fully enclosed electronics assembly

#### Electrical

##### Keycard Switches shall use 902 MHz EnOcean radios. Systems that use other frequencies radios shall not be acceptable

###### Keycard Switches shall have a range of at least 24 m (80 ft.) – hospitality space (typical), up to 100 m (330 ft.) line of sight

##### Keycard Switches shall comply with FCC Part 15.231 and IC RSS-210

##### Keycard Switches shall be powered by a single replaceable coin cell battery

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

#### Functional

##### Keycard Switches shall be able to switch relay loads on and off when used with compatible wireless load controllers

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