



Type(s)  
Project  
Date  
Notes

**GENERAL INFORMATION**

The keycard station communicates wirelessly with Echoflex Controllers making it easy to add suite level setback control of heating, air conditioning, and lighting circuits, thus reducing energy consumption and operational costs. The keycard station is available as battery-powered (KSS) and kinetic-powered (PTM265KA) models.

Keycard stations are commonly used in the hospitality industry to provide energy savings in guest suites and rooms. Keycards supplied by the facility to guests for the suite’s door lock are inserted into the switch station indicating the suite’s occupied state. When the guests leave, they remove the keycard which indicates a pending vacant state. Linked room control devices can be used to setback temperature controls or turn lighting circuits off to conserve energy.

The KSS model is powered by a replaceable coin cell battery and has an expected lifetime of 100,000 actuations over 10 years. The low-profile and discreet LED indicators behind a clean faceplate give the KSS a sleek contemporary appearance. When a card is inserted, the station provides a soft audible click and a green LED blink. A red LED blink indicates a low battery condition. For no-maintenance applications, the PTM265KCA model uses an integrated mechanical energy harvester and is completely battery free.

The stations are designed to fit in a standard wall outlet or mud ring (KSS - back support plate provided) or can be installed flush mounted with screws (PTM365KCA - requires a flush mount plate ). For installations over line voltage boxes, a separate barrier plate kit is available. See the Accessory section for UL approved barrier kits and flush mount kits.

**APPLICATIONS**

- Hospitality: Suites, housekeeping
- Healthcare: Clinics, patient rooms
- Commercial office: Conference rooms, private offices, store rooms

**ORDERING INFORMATION**

**Keycard Stations**

MODEL	DESCRIPTION
KSS-UW	Keycard Switch Station, battery-powered, 902 MHz, white
PTM265KCAU	Keycard Activated Switch, 902 MHz, white

**Accessories**

MODEL	DESCRIPTION
PTM365BP1W	Single barrier kit, UL rated, white
PTM2651GFW	Single gang surface (flush) mount plate

**FEATURES**

- Wireless low profile switch station with screw-less face plate
- Accepts cards that meet ISO/IEC 7810 ID-1 specifications - no embossed cards
- LED indicators and haptic card activation
- Reliable radio reception range of 24 m (80 ft) - commercial office spaces (typical), up to 100 m (330 ft) line-of-sight
- The KSS model is powered by replaceable coin cell battery (CR2032), 100,000 actuations or ten-year battery life
- Installation options: Flush mount with screws, on a mud ring with back support plate, or over a line voltage electrical box with UL approved barrier, sold separately

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## SPECIFICATIONS (KSS)

### HARDWARE

- Operation mode: Card inserted, card extracted
- Card format: ISO/IEC 7810 - ID-1
  - 85.60x53.98x0.76 mm (3.37x2.125x0.03 in)
- Power supply: One coin cell battery - CR2032
- Inputs: Test button
- Outputs: LEDs - green, yellow and red
- Life cycle:
  - Up to 100,000 actuations
  - Standby battery life up to 10 years at 25°C (77°F)

### EQUIPMENT PROFILES

- EEP-F6-04-01: Keycard activation switch

### MOUNTING (HARDWARE NOT SUPPLIED)

- Flush mount with screws and wall anchors
- Wall switch junction box or mud ring using supplied metal back support plate
- For line voltage applications, order - UL approved barrier kit - see Accessories on page one for order info

### COMMUNICATIONS

- 902 MHz (U) radio frequency
- Wireless range of up to 24 m (80 ft) - commercial office spaces (typical), up to 100 m (330 ft) line-of-sight
- Integrated whip antenna

### ENVIRONMENTAL

- Operating temperature: -10°C to 45°C (14°F to 113°F) ambient
- Relative humidity: 5%–92% non-condensing

### REGULATORY AND COMPLIANCE

- Complies with UL 916
- FCC Part 15.231 - Remote Control Transmitter
- Industry Canada RSS-210

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## SPECIFICATIONS (PTM265KCA)

### HARDWARE

- Operation mode: Card inserted, card extracted
- Card format: ISO/IEC 7810 - ID-1
  - 85.60x53.98x0.76 mm (3.37x2.125x0.03 in)
- Power supply: Electrodynamical energy harvester
- Life cycle: 50,000 actuations

### EQUIPMENT PROFILES

- EEP-F6-04-01: Keycard activation switch

### MOUNTING

- Screws with wall anchors or double-sided tape (not included)

### COMMUNICATIONS

- 902 MHz (U) radio frequency
- Wireless range of up to 24 m (80 ft) - commercial office spaces (typical), up to 100 m (330 ft) line-of-sight
- Integrated whip antenna

### ENVIRONMENTAL

- Operating temperature: -25°C to 65°C (-13°F to 145°F)
- Relative humidity: 5%–92% non-condensing

### REGULATORY AND COMPLIANCE

- Complies with UL 916
- FCC Part 15.231 - Remote Control Transmitter
- Industry Canada RSS-210

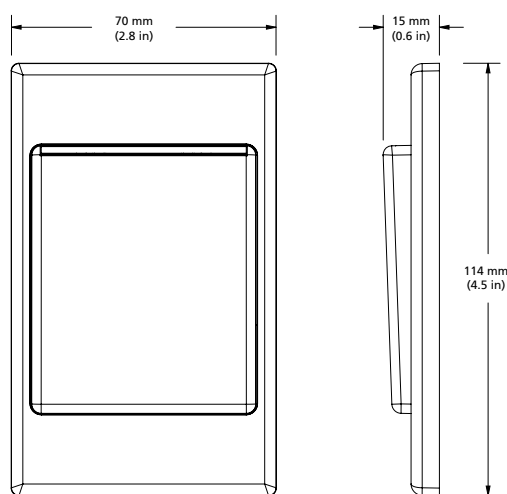
## PHYSICAL

### Keycard Stations Weight and Dimensions†

MODEL	HEIGHT		WIDTH		DEPTH		WEIGHT	
	mm	in	mm	in	mm	in	g	oz
KSS	114	4.5	70	2.8	15	0.6	42	1.5
PTM265KCA	114	4.5	70	2.8	36	1.4	142	5.0

†Note: Mounts in typical flush-mount North American style two-gang electrical boxes, minimum depth 51 mm (2.0 in)

**KSS**



**PTM265KCA**

