

**T&J ELECTRIC (SINGAPORE) PTE LTD**

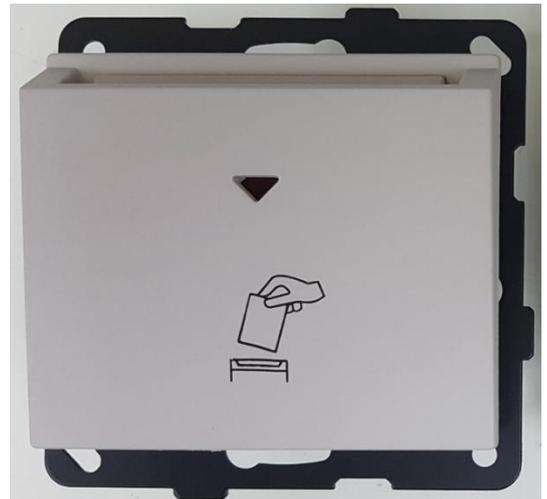
Company Registration No: 200205797Z  
10 Ubi Crescent, #02-24, Ubi Techpark, Singapore 408564  
Telephone: +65 6547-4333 Fax: +65 6547-4666

Date: Mar 12<sup>th</sup>, 2020

**Subject: Product Info : Lavina Keycard Switch**

**Overview:**

- Keycard Switch is suitable for guest room in hotel, or any similar applications - to control main power supply on/off when a card is inserted.
- An indicator light on the front allows the guest to locate the key card switch easily in the dark.
- When the card is slotted in, main power is switched on in the guest room.
- When the keycard is removed, after a time delay of about 30 sec, the main power is automatically switched off.
- This product will provide a safe, reliable way to control and save energy.



Front View (JC9-KT9-WA-LTP)

**General Specifications:**

- Product Range: **Lavina "95"**  
Applicable colours such as:  
White (LWH), Matt Black (ST), etc.
- Dimension: 86 mm x 86 mm
- Time delay: 30 sec. +/- 10s
- Compliance: GB/T 16915, IEC 60669
- Recommended wire size: 1.5 – 2.5 mm<sup>2</sup>
- Mounting box: ≥40mm depth
- Fix screw (x2): M3.5x0.6x25±
- Fix centre:60.3mm
- Packing: 5 pcs/1 box, 10 boxes/1 carton



Back View (JC9-KT9-WA-LTP)

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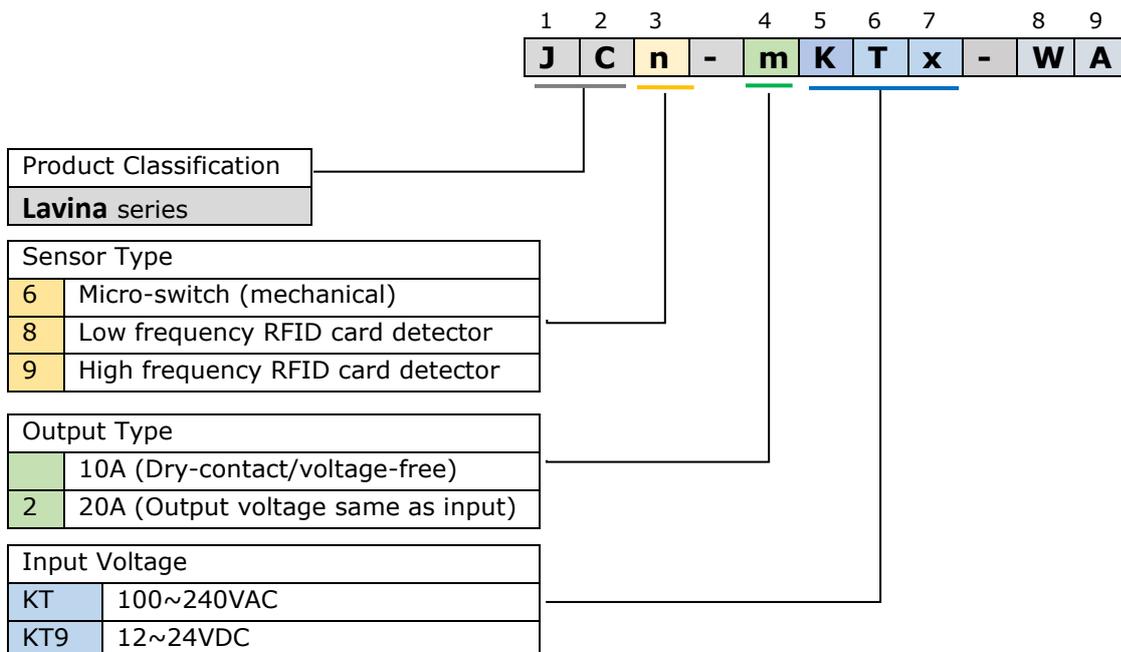
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**Applicable Products:**

Card Detection Method	Product code	Input Voltage	Output (max. rating)
Mechanical (Micro-switch)	JC6-2KT-WA	100~240VAC	20A 100-240VAC
	JC6-KT9-WA	12~24VDC	Dry-contact (10A@240VAC)
RF, Low Frequency (125KHz)	JC8-2KT-WA	100~240VAC	20A, 100~240VAC
	JC8-KT9-WA	12~24VDC	Dry-contact (10A@240VAC)
RF, High Frequency* (13.56MHz)	JC9-2KT-WA	100~240VAC	20A, 100~240VAC
	JC9-KT9-WA	12~24VDC	Dry-contact (10A@240VAC)

\* For MiFare Classic 1K and 4K RFID card

**Product code:**



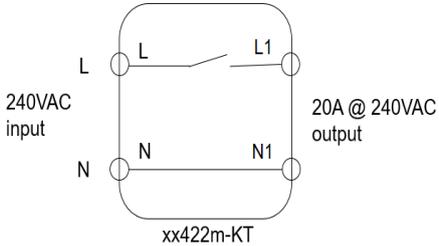
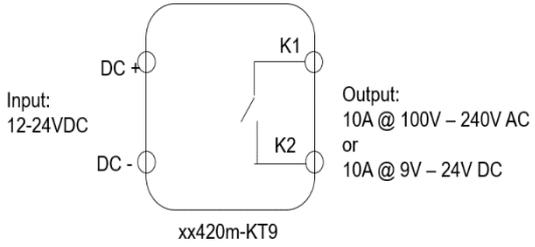
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**Connection Diagram:**

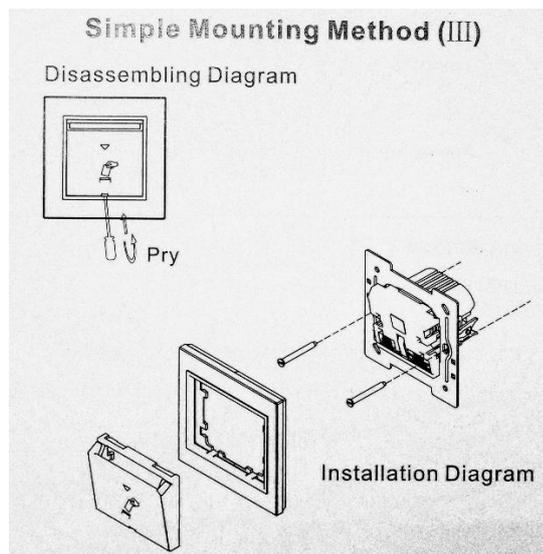
Product code:	Input/Output:	Termination:
JCn- <b>2</b> KT-WA	Input: 100-240VAC Output: 20A@240VAC	
JCn-KT <b>9</b> -WA	Input: 12-24VDC Output: Dry-contact 10A	

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### Installation & Application note:

1. Before installation, ensure that the main power supply is switched off and the installation done by a qualified electrical technician.
2. Wire up the keycard switch as shown in the wiring diagram, ensure that the connections are properly tightened, use ferrules on wire if wire size is not within the recommended.
3. After installation, power on the keycard switch, after a short warm-up time, the unit now enter a standby mode.
4. To activate the output power, user slots in the card. To remove the output power, pull out the card. After a delay of about 30 seconds, output power will be automatically cut off. The user will have sufficient time to leave the room during the time-delay power off.
5. Do not overloading the switch, the maximum current rating is as specified.
6. RFID Keycard Switch detects the specified frequency only, no reading of data on card.
7. High frequency (13.56MHz) RFID Keycard Switch supports **MiFare Classic 1K and 4K** card or compatible cards.
8. DC version Keycard Switch with "KT9" suffix (e.g. JC9-**KT9**-WA) is available as custom-made product if application requires input voltage less than 12VDC or higher than 24VDC.