

The series of products for  
**3 OUTPUT ENERGY SAVER**

Tocono offers the complete set of energy saver to save your energy and money when the guests are not in their room.

Tocono Intelligent Energy Saver has been designed for hospitality to enhance the saving of cost. The new Tocono Intelligent Energy Saver has been developed based on RFID technology "Contactless Smart Card" supporting Temic 125 kHz and Mifare 13.56 MHz. It makes our energy saver more stability than old technology.

The new Tocono Intelligent Energy Saver is easy to install and reduce the cost of installation as well. It is compatible with the same Tocono Room KeyCard, and intelligent to differentiate guest keycards and staff keycards. Therefore, it is limiting the use of air conditioning and other electrical equipment only to your guests and not to your hotel staffs.

**YOUR BENEFITS:**

- Disconnects electrical equipment and air-conditioning system when the guests are not in the room. Thus Saving MONEY !!.
- Guest Card Identification: The energy saver will identify whether or not the guest card number and guest room number are the same number. Otherwise, the electricity system will disconnect.
- Card Validation: The energy saver will real-time validate the key cards. The electricity system will be disconnected in case of invalid of cards.
- Easy to install and Save the cost of installation.
- Appropriate timer for guests when removing the keycard from the energy saver control unit.
- LEDs for easy location when entering the room.
- It only works with the specific keycards.
- Prevent the hotel staff to use air-conditioning and other electrical equipment while cleaning up the rooms.

**Smart Card Holder Unit**



**iES-13021 - Temic**  
**iES-13022 - Mifare**



**iES-13031 - Temic**  
**iES-13032 - Mifare**

**Relay Control Unit**



**iRCU330**

**PRODUCT TECHNICAL:**

| <b>Smart Card Holder Unit</b>          | <b>iES-13021 - STD<br/>iES-13031 - STD</b>   | <b>iES-13022 - STD<br/>iES-13032 - STD</b> | <b>iES-13021 - SP<br/>iES-13031 - SP</b>   | <b>iES-13022 - SP<br/>iES-13032 - SP</b> |
|--|--|--|--|--|
| <b>Smart Card Technology</b>           | Tecmic 125 kHz   | Mifare 13.56 MHz                           | Temic 125 kHz  | Mifare 13.56 MHz                         |
| <b>LED Indicator</b>                   | Red and Blue Light LED   |  | Red and Blue Light LED   |  |
| <b>Backup Battery</b>                  | -  |  | 3 VDC CR1220   |  |
| <b>Delay Timer</b>                     | 15 seconds   |  | 15 seconds   |  |
| <b>Guest / Staff Smart Card</b>        | Prevent the hotel staff to use air-conditioning and other electrical equipment while cleaning up the rooms |  | Prevent the hotel staff to use air-conditioning and other electrical equipment while cleaning up the rooms |  |
| <b>Guest Smart Card Identification</b> | No   |  | Yes  |  |
| <b>Smart Card Validation</b>           | No   |  | Yes  |  |
| <b>Dimension (W x H x D)</b>           | 86 mm x 86 mm x 10 mm  |  | 86 mm x 86 mm x 10 mm  |  |

| <b>Relay Control Unit</b>    | <b>iRCU330</b>                        |
|------------------------------|---------------------------------------|
| <b>Power Supply</b>          | 220 VAC $\pm$ 10%, 50 Hz              |
| <b>Power Supply</b>          | 10 mA is stand-by mode, 20 mA when on |
| <b>Output Relay</b>          | 3 Circuits x 30 A                     |
| <b>Box</b>                   | Fireproof Material                    |
| <b>Dimension (W x H x D)</b> | 178 mm x 104 mm x 45 mm               |

**Standard Connecting Diagram**
