



Creatrol Sensor

Hotel Card-free Power Supply

3 + 1 sensor network

CONTENTS

- Market Pain Points | Empowerment
- Solutions | Datasheet
- Advantages | Contact us





CREATROL

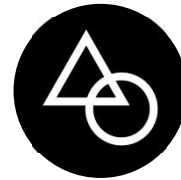
Wireless, Plug-and-Play Card-free Power Solution 3 + 1 sensor network

Market Pain Points



Cost Reduction

Industry competition is fierce and operating costs are soaring.



Break the Game

Serious homogenization of products and innovation of schemes



Energy Saving

Reduce Carbon Emissions, energy saving and emission reduction

Copypcat Products and Price Wars
Innovative Sensor Technologies for Smart Hotel

Traditional Card-Free Power Supply



High Cost, High Threshold

It needs to be matched with RCU , and the application cost is high.



Low Accuracy, Frequent False Positives

Presence state cannot be detected.



Long Time for Installation and Commissioning

Need to set up complex logic, but the final use of the results are still not good.

Traditional card-free power supply scheme



Infrared body sensor



Door magnetic sensor



Creatrol 3 + 1 Card-Free Power Supply Low-cost, Programming-free and Ultra-accurate



Product Empowerment

3 + 1 Sensor-network

Card-free Power Supply

24GHz Hotel Presence Sensor

- 24GHz mmWave radar
- FMCW technology
- Sensitivity and detection range can be adjusted freely



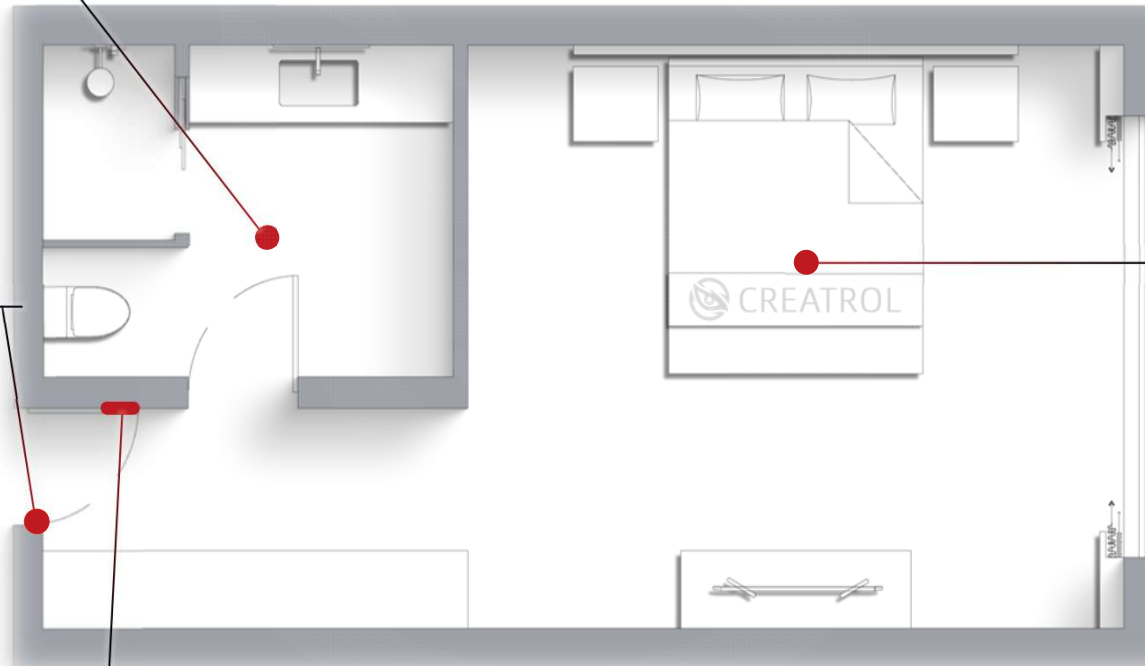
Door Magnetic

- Report door opening and closing
- Accurate discrimination, providing multi-dimensional information



Master Control Switch

- Data summarization and logic processing of multi-sensor network
- Control the opening and closing of room power supply



24GHz Hotel Presence Sensor

- 24GHz mmWave radar
- FMCW technology
- Sensitivity and detection range can be adjusted freely



Basic Version



Door magnet
[Battery Version]



Presence Sensor
[Bedroom]



Presence Sensor
[Toilet]



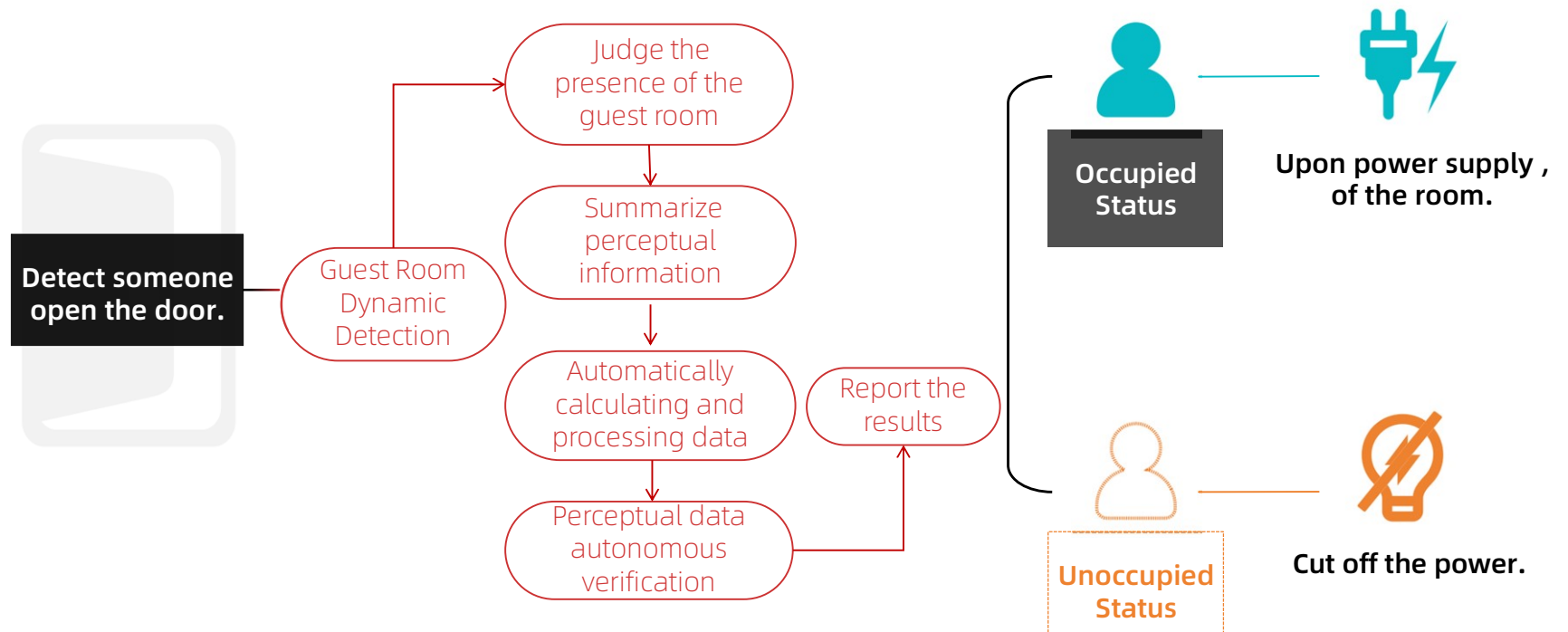
Master Control Switch

3 + 1 Sensor Network

Product Empowerment

3 + 1 Sensor-network

Card-free Power Supply





CREATROL

Creatorl 3 + 1, Reduce Cost and Empower

Accurate Cost Reduction

Reduce unnecessary personnel expenditure

Personnel cost estimates can be saved **\$ 24000/year**



**Hotel Front Desk
Receptionist-2**

Average salary
\$700/person per
month



**Security Guard /
Patrol Officer-1**

Average salary
\$620/person per
month

* Cost savings figures are reasonable estimates based on current market data and known information.

The actual cost savings vary according to market changes and actual operational efficiency.

Easily Save Energy

Energy saving and cost reduction, intelligent efficiency improvement

Estimated energy consumption can be saved **\$14500/year** (per 100 rooms)

Unused electricity charge = number of unused rooms × average energy consumption per unused room × commercial electricity price

According to the 60% occupancy rate, 30% of the guests did not remove their cards.

Daily idle consumption

\$ 40



Monthly idle consumption

\$ 1208

- Suppose there are 100 rooms in the hotel, all with central air conditioning (1.5kw)
- Guests go out at 10 o'clock and return at 7 o'clock, resulting in 9 hours of energy consumption in the room (9 H * 1.5kw = 13.5 degrees)
- Commercial electricity, \$ 0.16/degree

* Cost savings figures are reasonable estimates based on current market data and known information.

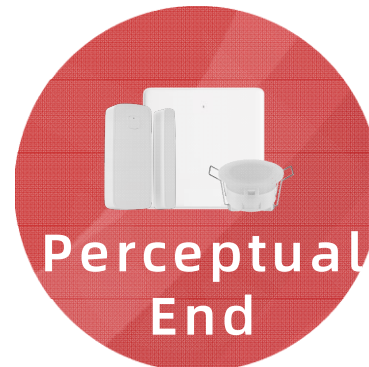
The actual cost savings vary according to market changes and actual operational efficiency.



Analyzing user behavior discreetly,
without visual indicators, no worries
about security and privacy

Value-Added Breakthrough

A sensor network enables a
variety of smart applications.



Super Linkage

- Intelligent light control
- Automatically generated ambient scenes
- Environmental value adjustment trigger
- User habit uploading
- Energy-saving and carbon-reducing interaction
- Interconnected event counting and timeout stay alert

...

Upgrade Options

Fall Detection Sensor



- Detect the fall posture of the human body and report immediately



Presence Detection



Fall Detection



Stay Reminder



Leave the area



Product characteristics

- 60 GHz mmWave Radar: Cutting-edge technology for precise life detection
- Creatrol Algorithm: Proprietary Creatrol algorithm for accurate identification
- Fall Detection: Automatic recognition of falls with instant alarm notifications
- Detention Monitoring: Alerts for overtime stay detection
- Bed Leaving Detection: Monitors bed exit movements and frequency, with alerts for any abnormalities
- 24/7 Operation: Continuous protection, providing peace of mind at all times
- Privacy Protection: Non-camera based, no wearable required, offering convenient and unobtrusive monitoring

Technical parameters

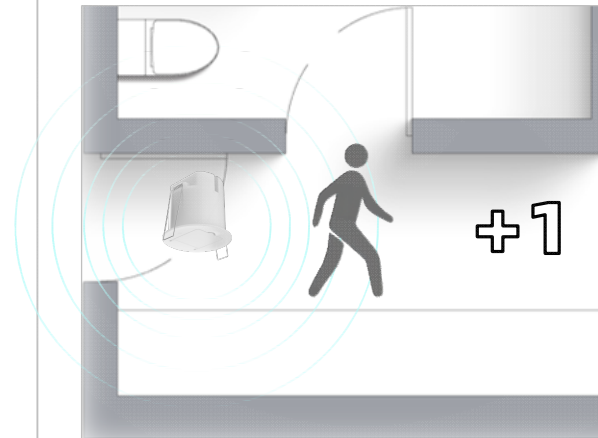
- Installation height: 2.0 ~ 3.2m
- Detection angle: 360°
- Detection range: ellipse with detection range of 4.0m * 3.0m
- Product size: diameter 65mm, depth 60mm
- Opening size: 55mm
- Power input: AC100-240V

Upgrade Options

Personnel Counting Sensor



• Precise counting



Product characteristics

- 60 GHz mmWave Radar: Cutting-edge technology for precise life detection
- Creatrol Algorithm: self-developed algorithm for accurate detection
- Multi-person counting: Actively detects and automatically counts the number of people in the room.
- 24/7 operation: Provides round-the-clock monitoring for constant peace of mind.
- Privacy protection: Non-camera-based technology ensures privacy.

Technical parameters

- Installation height: 2.0 ~ 3.2m
- Detection angle: 360 °
- Detection range: ellipse with detection range of 4.0m * 3.0m
- Product size: diameter 65mm, depth 60mm
- Opening size: 55mm
- Power input: AC100-240V



CREATROL

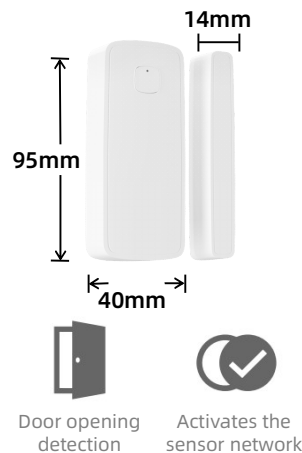
Creatrol 3 + 1 Sensor Network Products



Basic version

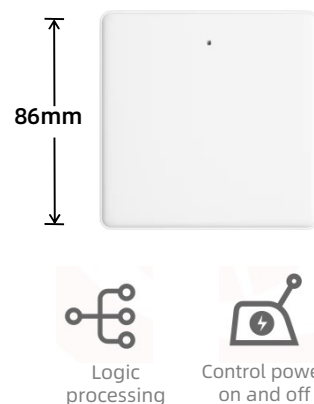


Door Magnetic



- Power input: 2 No.7 batteries
- Communication method: Bluetooth
- Installation method: paste/nail
- Installation position: door frame, door leaf
- Weight: 30g (without battery)

Master control switch



- Power input: AC100-240V
- Communication method: Bluetooth
- Installation method: 86 bottom box
- Installation height: 1.2-1.5m
- Input: AC100-240V
- Product weight: 98g

24GHz Hotel Presence Sensor



- Power input: AC100-240V
- Communication method: Bluetooth
- Opening: 35mm
- Installation height: 2.0-4.0m
- Product weight: 18g

Upgrade Options



Fall Detection Sensor



Fall
Detection



Reminder of
Detention



Leave the
Area

- Power input: AC100-240V
- Communication method: Bluetooth
- Opening: 55mm
- Installation Height: 2.0-3.2m
- Product Weight: 80g

Personnel Counting Sensor



Multipers
on count

- Power input: AC100-240V
- Communication method: Bluetooth
- Opening: 55mm
- Installation height: 2.0-3.2m
- Product weight: 80g



CREATROL

Creatrol 3 + 1, Proactive Thinking Sensor Network



CREATROL



Advantages Creatrol sensor

✓ Low cost

Through repeated iteration, the minimalist design achieves a card-free power supply. The wireless version offers low-cost connectivity and usability.

✓ Programming-Free

The sensor network comes with a factory-installed program, no need for additional programming. Simply install and use it without any further programming required.

✓ Ultra-accurate

Smart sensor network conducts multiple checks of presence and movement, offering low false alarms and high accuracy, significantly enhancing capabilities.



CREATROL

CREATROL SENSOR Smart City Full Scene Sensor Solution



Seamless Intelligence, Powered by Creatrol Sensors

True Radar · Understanding Intelligence · Full Scene

CONTACT US

Creatrol Intelligence Co.,Ltd

Tel: 021-54325789

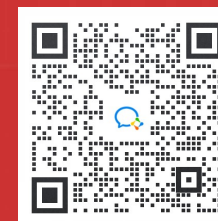
Website: www.creatrol.com/en/

Email: contact@creatrol.com

Address: 7F, Building C, No.7001, Zhongchun
Road, Minhang District, Shanghai



WeChat Public Account



Add WeChat