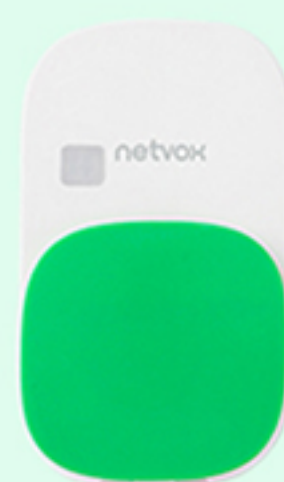


R315 Multi Sense Series in Smart Warehouse Monitoring System

Enhance warehouse safety and efficiency !

Each R315 multi-sense device can integrate up to **8 types of sensors**, enabling flexible customization for various application scenarios — resulting in **hundreds of possible sensor combinations** to perfectly fit every smart warehouse need!



Each main body is equipped with 5 built in sensors.

- Temperature & Humidity
- Light
- Built - in Vibration
- PIR
- Emergency button
- Tilt

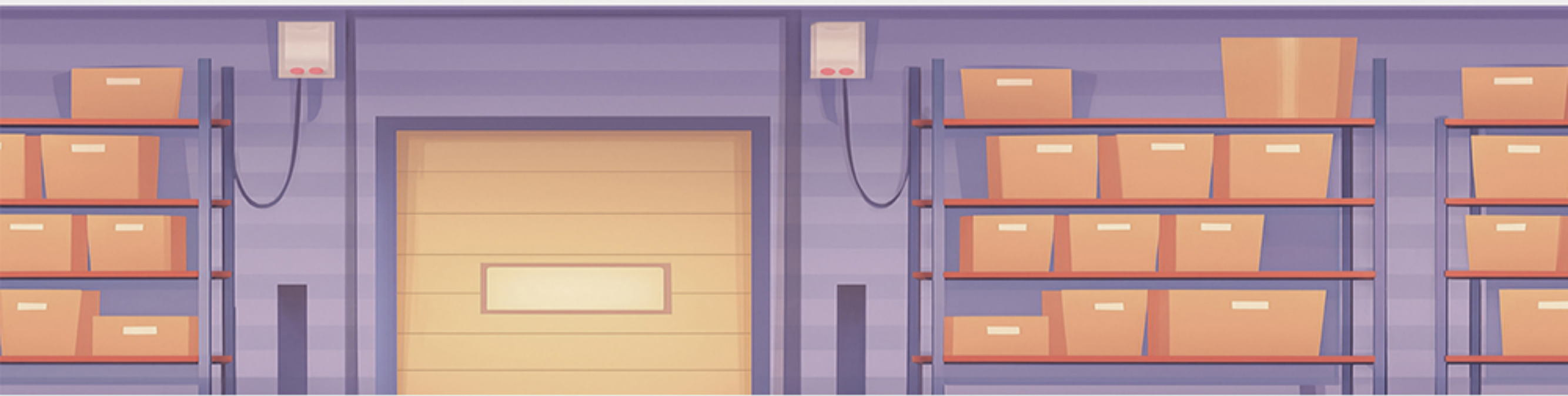
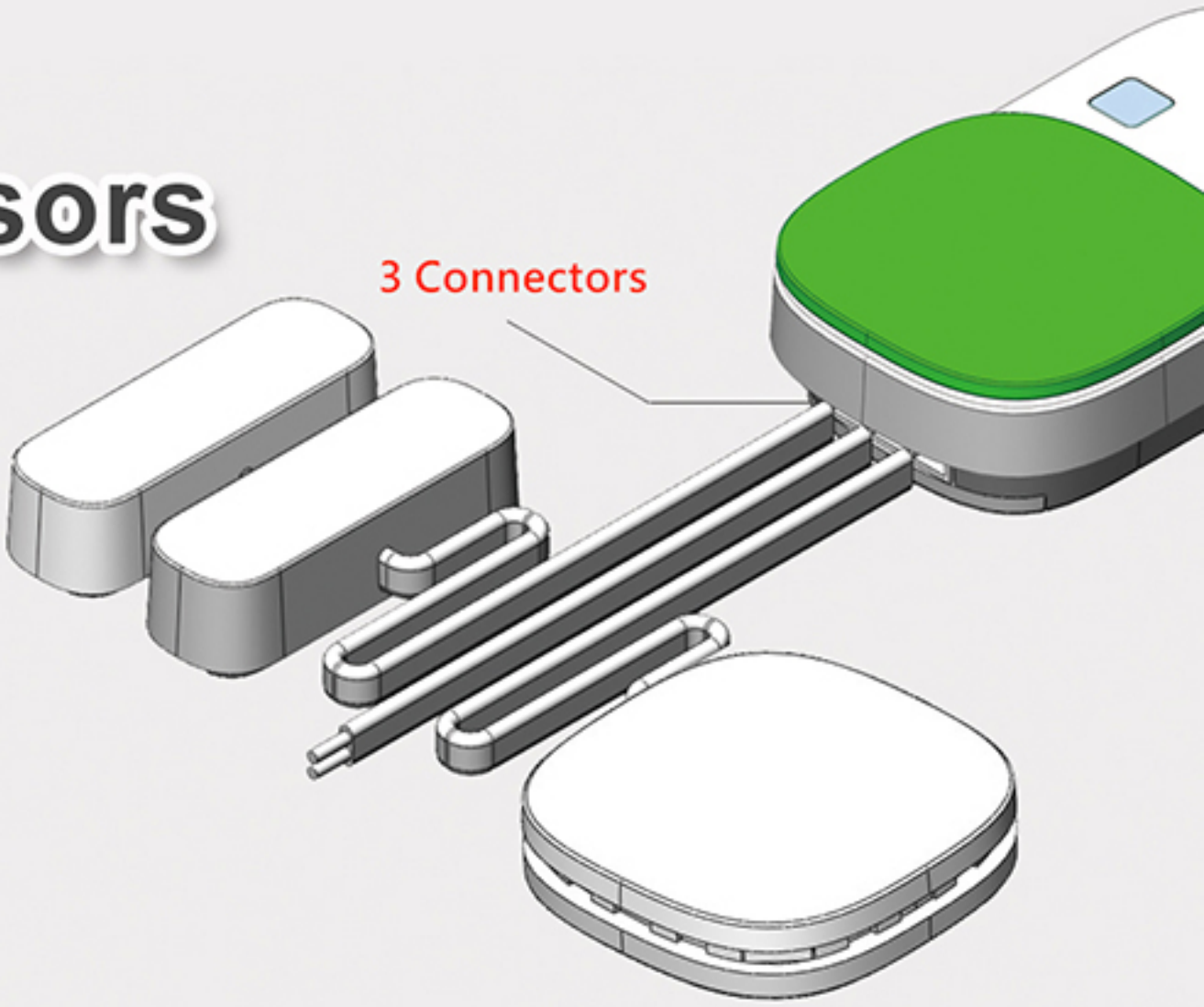
- Temperature & Humidity
- Light
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R315 External Sensors

External Sensor Options

- ☐ Reed switch
- ☐ Water leak
- ☐ Dry contact IN
- ☐ DO OUT
- ☐ External vibration
- ☐ Seat occupancy
- ☐ Glass break

- ◆ Connect 3 out of 7 external sensors
- ◆ Positions of external sensors could not be changed due to the interior electrical system.



Temperature & Humidity Monitoring

Monitor warehouse conditions to ensure the storage environment meets required standards.

Storage of Temperature- and Humidity-Sensitive Goods

When temperature or humidity exceeds preset limits (e.g., >80% RH or >30°C), the system automatically triggers an alert or reports the data to the IoT platform.

HVAC and Dehumidification Integration

Seamlessly links with air conditioners, fans, and dehumidifiers to maintain optimal environmental conditions.

Historical Trend Analysis

Continuously logs environmental data for seasonal trend tracking and equipment performance evaluation.



Water Leakage Detection

Inspect the warehouse floor, pipelines, and areas around equipment for water seepage or leaks.

Basements or Equipment Rooms

Check for condensation, leaks from fire sprinklers or pipes, and roof leaks.

High-Value Storage Areas

Prevent water damage that could lead to product spoilage or loss.

Cold Storage and Refrigeration Areas

Monitor for condensate buildup to avoid electrical hazards and ensure safe operation.



Tilt Detection

Detect any tilting, displacement, or impact of objects.

Rack Safety Monitoring

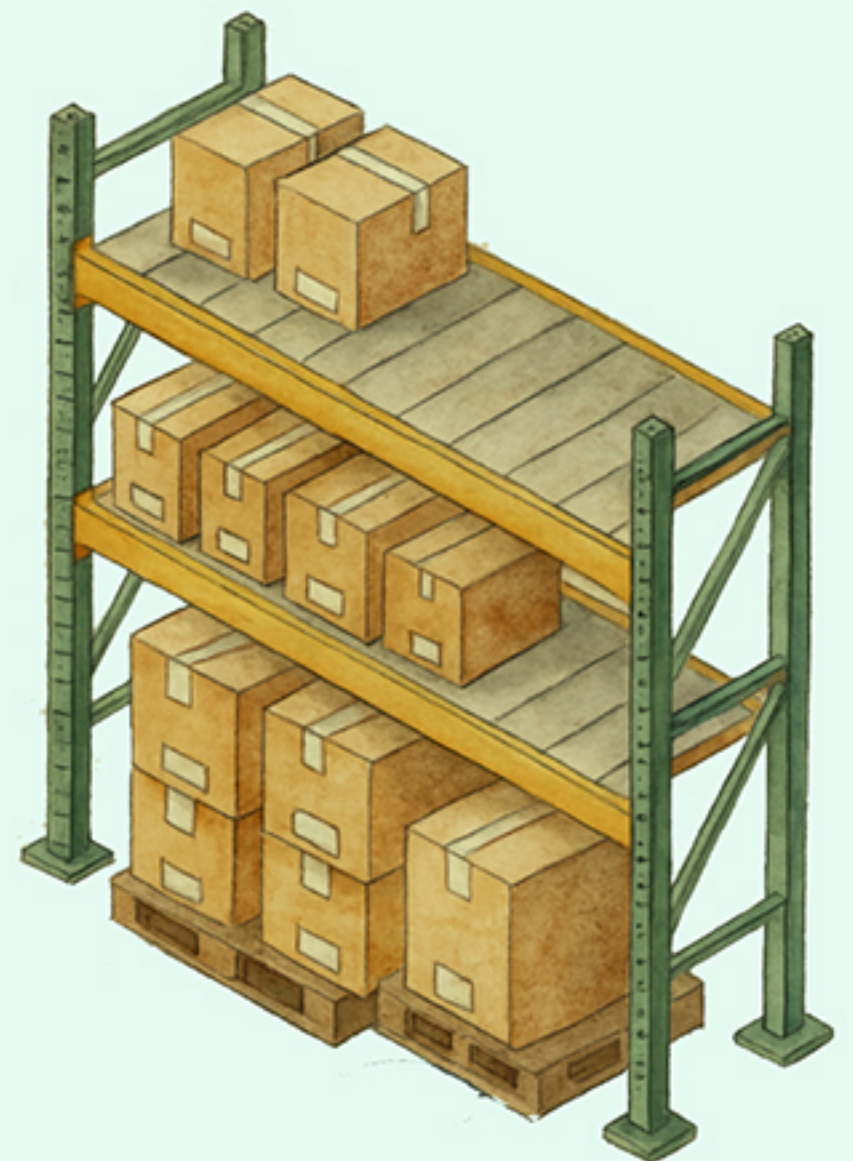
Detect tilting or potential collapse of high or heavy racks.

Equipment Status Monitoring

Monitor large equipment (e.g., storage tanks, HVAC units) for displacement.

Anti-Theft / Tamper Detection

Trigger an alarm if valuable equipment is moved or tilted.



Emergency Button

Manually trigger an alarm or event report
(e.g., fire alarm, personnel distress, equipment failure, etc.)



Emergency Assistance / Safety Alarm

Press the button to trigger an alarm in case of fire, equipment failure, or personal danger.

Equipment Fault Alarm

Used to manually trigger an alert when abnormal conditions are detected.

Anti-Theft / Intrusion Alarm

When pressed, it immediately activates a local alarm and reports the event to the IoT platform.

Digital Output

Control third-party devices via digital output.

Linkage Control

Automatically responds to sensor signals through linkage control:

- Water leakage → Shut off the water pump
- High temperature → Activate exhaust fan or dehumidifier
- Low illumination → Turn on lighting

Remote Control

Manually control lights, electromagnetic doors, fans, and other devices through the platform or mobile app.

Scheduled Actions

Set up timed signal outputs through the system
(e.g., turn off lights at 18:00 every day).

