

Intelligent Temperature and Humidity Controller



Specification

- Operating voltage: 5 VDC
- Communication protocol: Supports Modbus or TCP/IP
- Interfaces:
 - Power: DC Jack
 - Network: RJ-45
 - IO: Digital input x 1; digital output x 1
- Display:
 - Network connection
 - Network activity
- Temperature:
 - Temperature measurement range: -40°C to 80°C
 - Measurement resolution: 0.1°C
 - Temperature data accuracy: within $\pm 5\%$
- Humidity:
 - Humidity measurement range: 0-100%RH
 - Humidity measurement resolution: 2%RH
 - Humidity data accuracy: within $\pm 5\%$
- Door status detection:
 - Digital input, supports door status detection (open/closed)
- Alarm:
 - Digital output, alarm digital output.

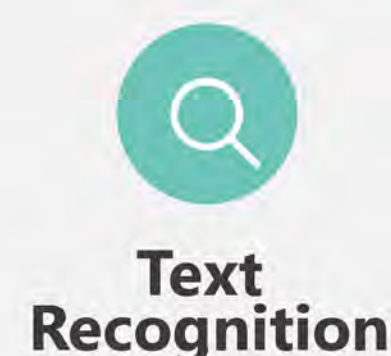


Temperature & Humidity



Feature

1. Temperature monitoring
2. Humidity monitoring
3. Timing control
4. Remote monitoring
5. High precision:



Text
Recognition



Incident
Detection

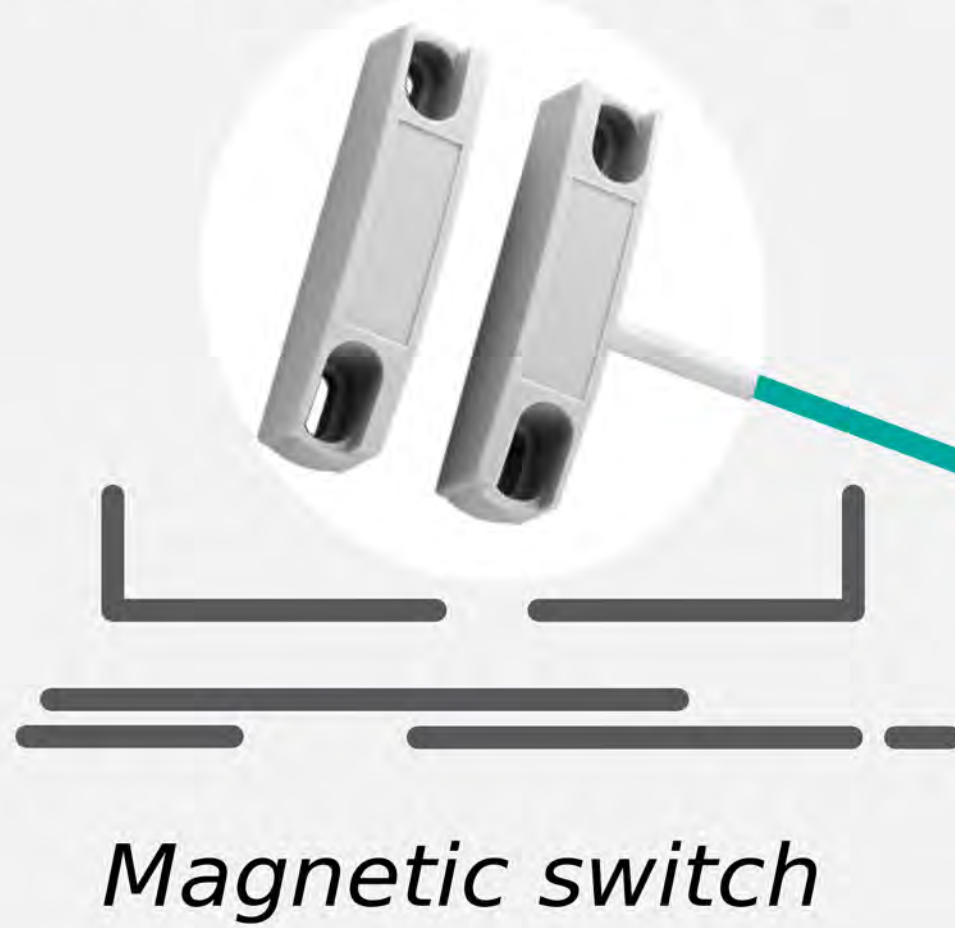


Object
Recognition



Simple Architecture Diagram

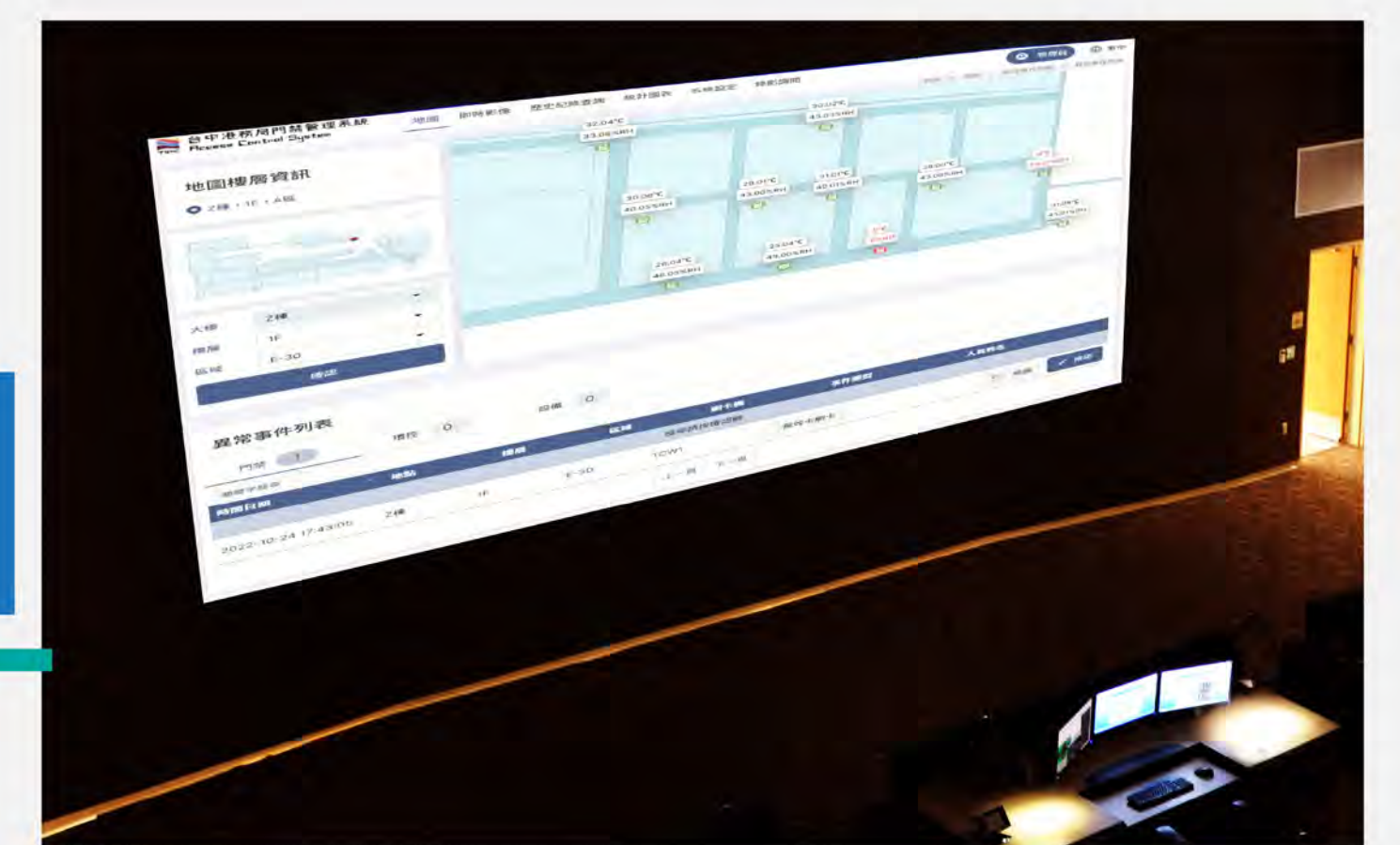
Function: Detecting door position (open/close)



Temperature and Humidity Sensor

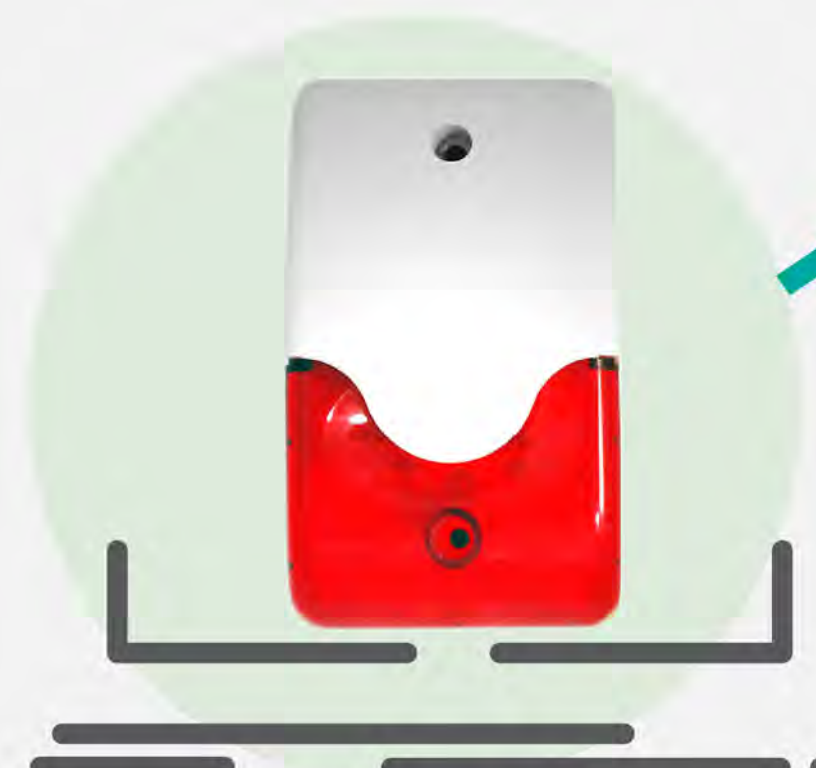
IO Interface

Network Interface



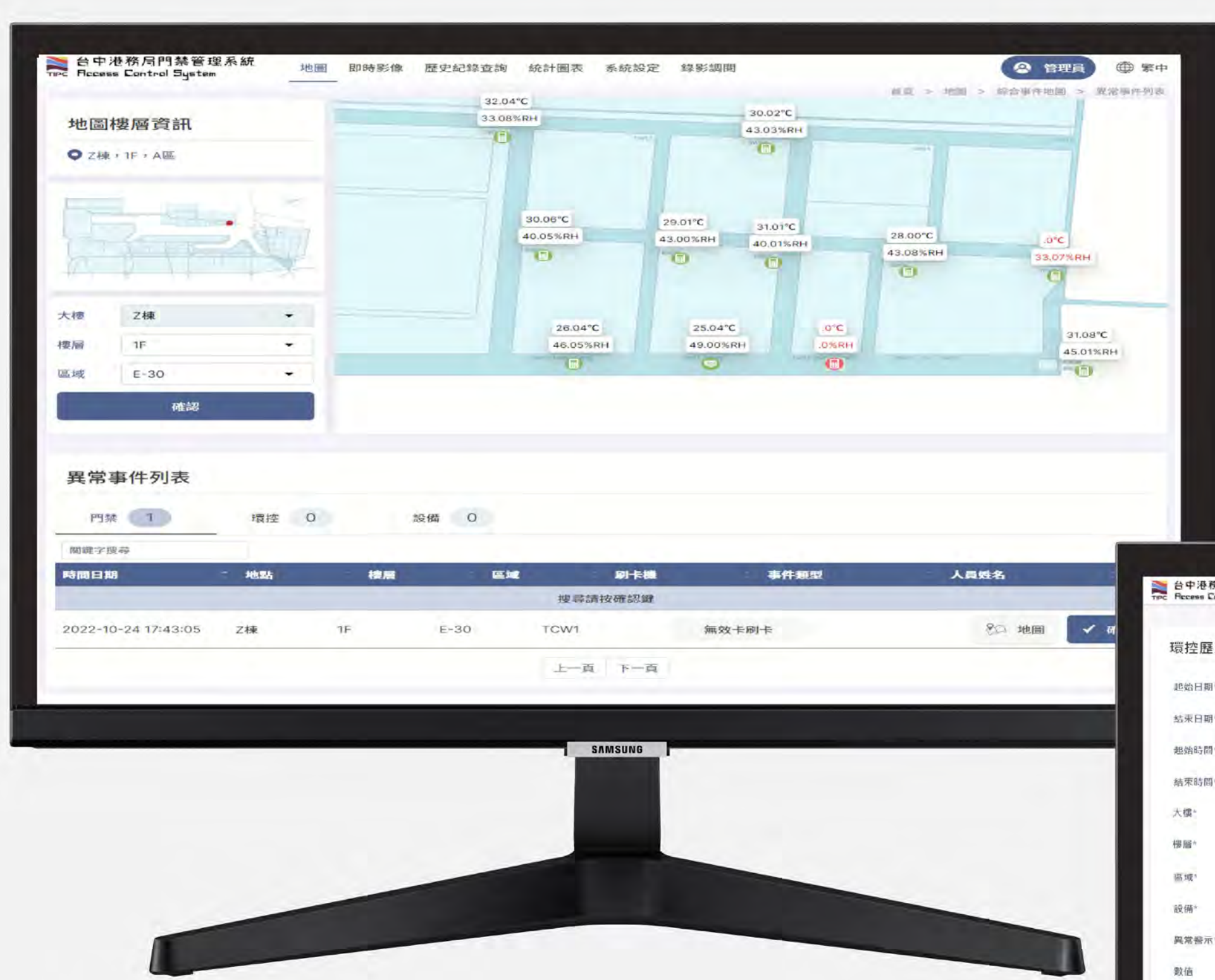
Central management system

Function: Alarm output

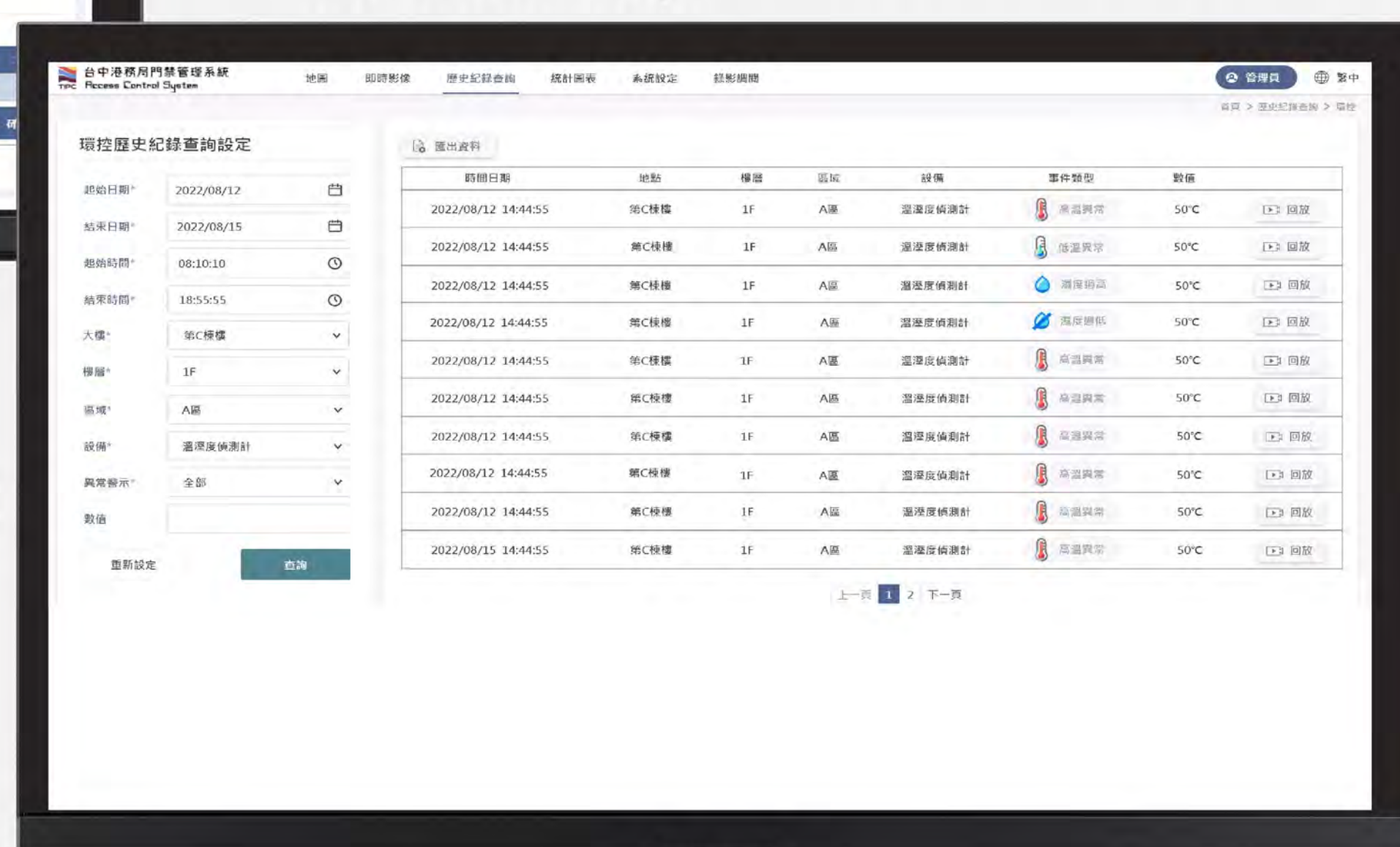


Can be connected to a relay and an external alarm

Central Management system



- When the device detects abnormal data (such as abnormal temperature/humidity).
- When the system detects device abnormalities, display abnormal status icons (such as equipment failure or network connection issues).
- Display the abnormal information or event list for each region.
- Display the number of abnormal events.
- Display the relative position of each region on the main map



Temperature and humidity history query page:

- Can set the query range and content to query temperature and humidity data.

