

Drain Pan Overflow Protection

BEFORE

User dissatisfaction may occur due to drain pan condensate overflow, leading to ceiling damage, huge cost of repair repairing and downtime.



AFTER

ZERO LEAK effectively eliminates condensate overflow. This prevents ceiling damage, reducing downtime and costly repairs. Delivering higher user satisfaction.



COX Cox International Ltd
<https://www.cox-int.com.hk>
 sales@cox-int.com.hk +852 3101 2323
 Rm15-17, 15/F, Blk A, Hi-tech Industrial Ctr,
 5-21 Pak Tin Par St, Tsuen Wan



Drain Pan Overflow Protection



Early Detection Warning

The sensor triggers a notification on the controller when condensate accumulation reaches 30% of the drain pan's capacity.

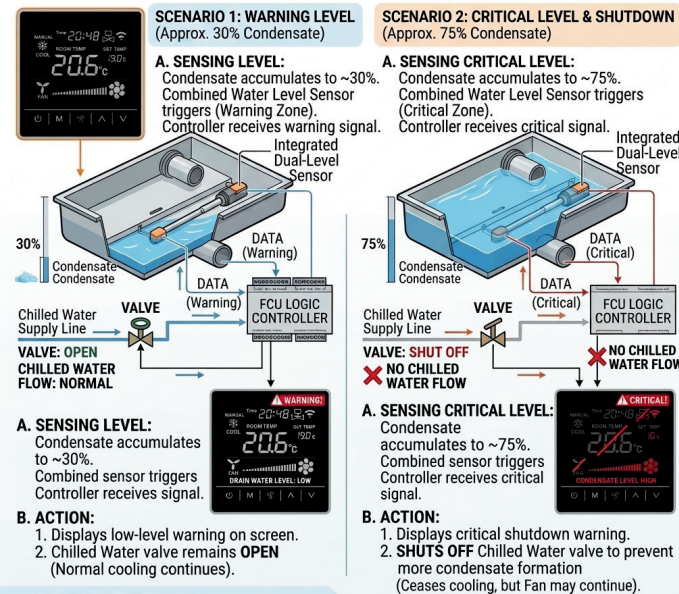
Automated Leak Prevention

To prevent overflow, the system intelligently shuts off the chilled water valve once condensate levels hit a high threshold of 75%.

Real-Time Monitoring Interface

Wall-mounted controller provides immediate visual status updates, ensuring building operators are alerted before a leak can cause property damage.

HOW ZERO LEAK FUNCTION WORKS FOR FAN COIL UNITS (FCUs)



OVERALL KEY FEATURES:

- Single-Point Integrated Sensor (Dual-Level)
- Controller Display Interface
- Automated Valve Control
- Proactive Warning & Preventive Shutdown

ALONE

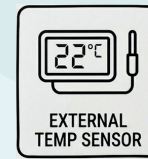
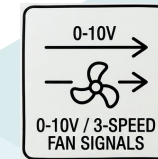
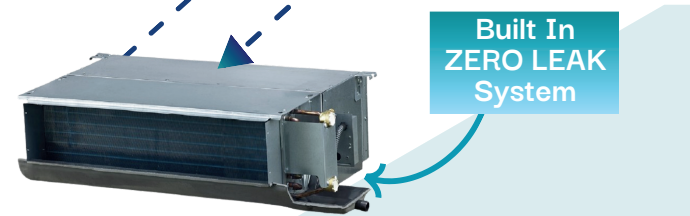
AIR LOGIC

WIRELESS

FAN COIL UNIT CONTROLLER



LoRa



COX Cox International Ltd

COX Cox International Ltd

AZONE Air Logic



+ LoRa Wireless Communication

Built-in LoRa wireless technology enables reliable, long-range communication without the need for complex wiring.

+ 0-10V or 3-Speed Fan Control

Supports both 0-10V analog and 3-speed fan control for flexible and seamless integration with different FCU types.

+ ZERO LEAK Overflow Protection System

Advanced dual-stage overflow prevention: provide warning and chilled water valve shut-off to fully prevent water leakage.

+ Ideal for Building Retrofit

Designed specifically for retrofit projects, allowing easy upgrade of existing FCUs with minimal disruption and no major rewiring.

+ Flexible Temperature Sensing

Supports both external temperature sensor and thermostat internal sensor for accurate and convenient temperature control.

+ 220V / 24V Dual Voltage Valve Support

Compatible with both 220V and 24V chilled water valves (max 5A), offering broad compatibility and easy installation.

THE ADVANCED WIRELESS FCU CONTROLLER

WITHOUT OUR SOLUTION **WITH OUR SOLUTION**

COSTLY CEILING DAMAGE & WATER MARKS **MONEY** **Retrofit, 0-10V, 3-Speed** **INCREASED PROPERTY VALUE**

THE PROACTIVE SOLUTION FOR FCU CONDENSATE OVERFLOW

Item	Parameter
Display Type	LCD
Power	1W
Power Supply	220V/1ph/50Hz
Valve Input Voltage	220V/1ph/50Hz / 24VAC/24VDC
Temperature Setpoint	5C - 35C
Max. Current for Valve	5A
Temperature Setting Value	Modbus=0.1C or Controller=0.5C
Mode	Cooling Only / Cooling + Heating
Fan Control Input	0-10VDC / 3-Speed
Fan Speed Mode	Manual: 3 Speed / Auto: Stepless
Ambient Temperature	Yes
IP Rating	IP20
Dimensions	W86mm x H86mm x D15mm

About Us

AZONE - Innovative Solution Expert

We provide a comprehensive range of high-performance HVAC products, including Air Handling Units (AHU), Fan Coil Units (FCU), intelligent wireless controllers, air purifiers, and integrated system solutions. Designed with cutting-edge technology and strict quality standards, our products deliver superior efficiency, reliability, and precise control for both commercial and residential environments.

Driven by innovation and a deep understanding of user needs, AZONE is committed to creating healthier and more comfortable indoor spaces. Every solution we develop reflects our dedication to excellence and performance.

YOUR COMFORT OUR PRIORITY

