

# Wireless Leak Detection System

The wireless leak detection system is designed to detect conductive liquids in order to minimize secondary damage caused by leakage through rapid and accurate detection.

Using the method of detection inter-electrode resistance, it is possible to detect liquids with a resistance of up to 10MΩ, and installation is easy and can be done in various locations using wireless sensors operating at a frequency band of 447MHz.



**CS-WLDC-01**

A touch-type controller capable of leak detection and communication with sensors

- One controller is connected to 25 wireless leakage detection sensors
- Easy operation with the front touch screen application
- Users can check the sensor detection, battery status, and event log.
- Enable monitoring systems with Built-in communication
- External speakers application



**CS-WLDS-01**

Wireless point type sensor for leakage detection

- Modules can be set with smart phone application
- Status indication using LED (green, red)
- Easy to inspect and remove debris
- Optimized battery usage for long periods
- Built-in antenna application

## SPECIFICATION

Model	CS-WLDC-01	CS-WLDS-01
Frequency band	447 MHz	447 MHz
Transmission distance	Outdoor: Up to 500m Interior: 100m	Outdoor: Up to 500m Interior: 100m
Display method	Touch LCD (7")	LED flashing green light (normal), red-light (leakage)
Certification	KC	KC
Waterproof certification	IP6 rating	IP6 rating
Communication method	Wireless / RS-485	Conductive liquid
Output contact	DC24V 1A	Wireless
Input power	DC24V	Battery 4,800 mAh (life span 2 to 3 years)
Material	ABS	Electrode: SUS404 Device: flame retardant P.P
Size(mm)	210(W) × 140(L) × 37(T)	74(D) × 36(H)
Operation temperature	-10 to 60°C	-10 to 60°C

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## KEY FEATURES OF THE SYSTEM



Wireless Leakage Detection System using the 447 MHz frequency band



Easy to construct with wire-less sensors and can be installed in a variety of locations



Swift leakage detection (Leakage detection time: approximately 0.5 to 1 second)



Real-time status can be checked through monitoring System



Issues are quickly alerted via SMS



Water-resistant IP6 rating that makes strong for water-proofing and ensures stability

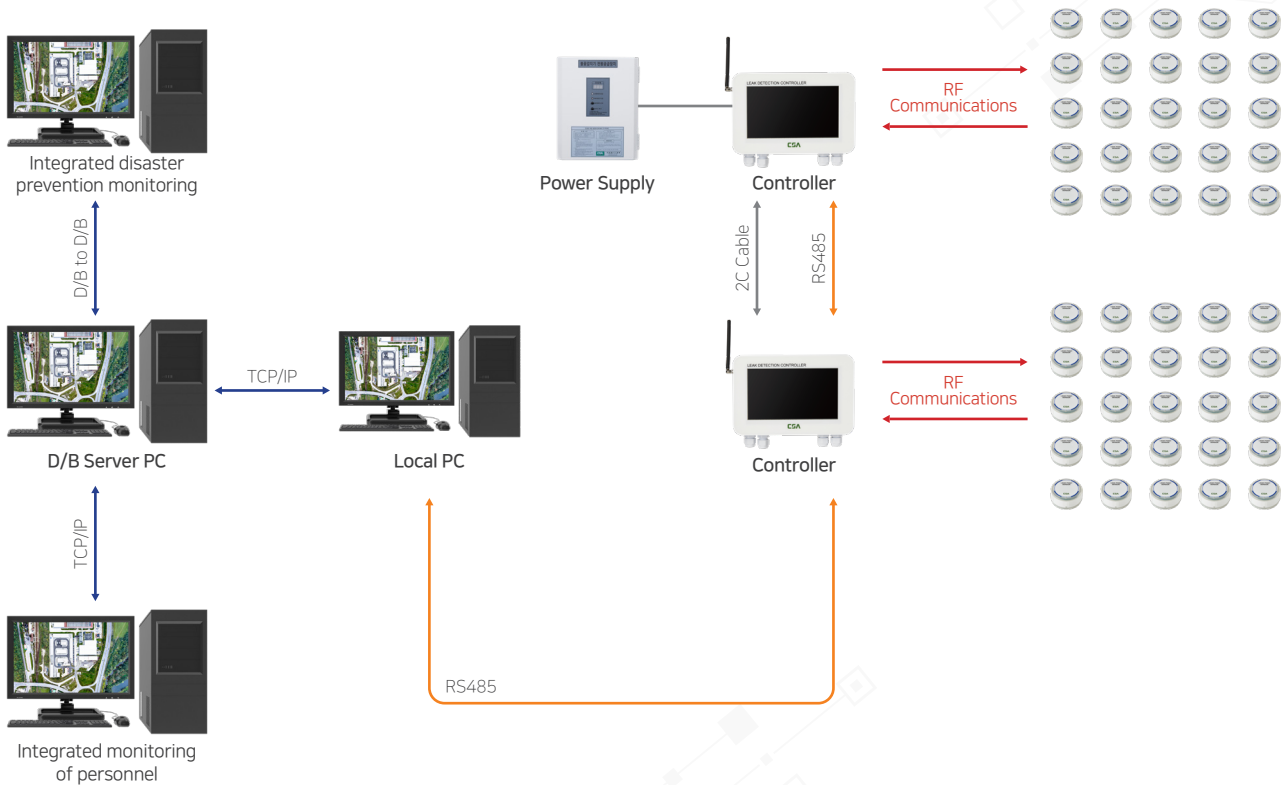


Easy to check and maintain

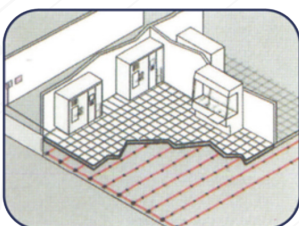


Securing product reliability through KC certification

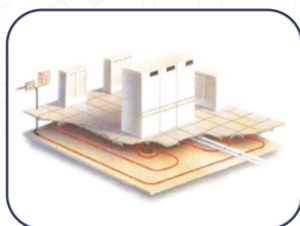
## WIRELESS LEAKAGE DETECTION SYSTEM CONFIGURATION DIAGRAM



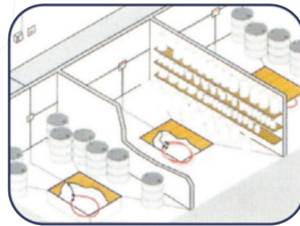
## LOCATION OF WIRELESS LEAKAGE DETECTION SYSTEM



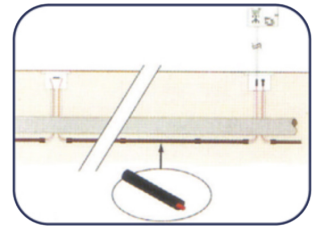
Semiconductor Factory and Cleanroom



Network Management Office



Chemical Tank and Transfer Piping



Underground Buried Transfer Piping