

WATER LEAK SENSOR INTERFACE MODULE

PRODUCT DATA SHEET

Model: AT-WLD-24V-CTR

Detects Water, Conductive liquids and PG25
Instant Leak Detection and indication
Superior waterproof enclosure for harsh conditions



Description

The AT-WLD-24V-CTR (Water Leak Sensor Interface Module) are high-performance digital units engineered for precise and reliable water and conductive liquid leak detection for critical infrastructure.

Designed for integration with advanced monitoring systems such as Atysen Panels, these controller units provide instant detection, accurate fault identification, visual indication and seamless communication.

Manufactured using superior material, built to withstand harsh industrial conditions while ensuring long operational life and minimal maintenance.

Key Features & Advantages

- **Precision Leak Detection:** Instantly detects the presence of water or conductive liquids
- **Accurate identification:** Accurate identification of cable break faults
- **Daisy Chain:** multiple Sensor modules can be connected in daisy chain to provide coverage to a very large area. Only the first Sensor module needs power supply in daisy chain.
- **Digital System Integration:** Fully compatible and seamless communication with ATYSEN digital Panel.
- **Rugged Industrial Construction:** IP67 rated (dust & water protection).
- **Reusable and Low Maintenance:** Designed for repeated use without performance degradation
- **Dedicated LEDs:** for Leak, Cable break and RS485 communication
- **BMS Connectivity:** Can send real-time alarms and status to Building Management Systems as needed
- **High Sensitivity:** Immediate response upon contact with water or conductive liquids. Sensor drying time: < 5 seconds
- **Fast Recovery Performance:** Automatic reset within seconds after leak removal.

Typical Applications

- Data centers and server rooms
- Drip trays
- CDU units
- Floors
- Flat containment areas
- Pump Skids

Mounting Options

- Attachable through 3M tape
- Mounting option available



Technical Specifications

Parameter	Specification
Brand	ATYSEN
Model	AT-WLD-24V-CTR
Type	24V input, Digital Water Leak Sensor Controller
Response time	Instant
Daisy Chain capability	Yes
Reset / drying time	< 5 seconds
Output	RS485 connectivity to Panel/BMS
Sensing cable connectivity	4 core
Maintenance	Low maintenance
Panel Compatibility	Atysen Panels (AT-MTP-SA-107/110 ; AT-MTP-RD-107/110)
Material	Industrial grade plastic
Protection Rating	IP67
Supports PG25	Yes
Reusability	Yes
Corrosion Resistance	Resistant to certain corrosion
Operating Environment	Industrial / commercial

System Capabilities

Fault Identification

- Leak Detection
- Cable Break Detection
- Communication fault
- Common System Fault

Smart Maintenance Mode

- Once leak/break is resolved, the system automatically restores normal monitoring after a defined time



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