

# SEMARS DIGITAL

## SEMARS

Smart Equipment Monitoring  
and Resolution System

## SENSORS DATA SHEET

### SEMARS DIGITAL

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## WATERN TECH

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## WATERN

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01

## Water Ingress Sensor

The Water Ingress Sensor is designed to detect water accumulation on the floor of cabinets or shelters. It triggers an alarm when water levels exceed 2mm, helping prevent damage to sensitive equipment due to leaks or flooding. Its compact design and fast response time make it ideal for telecom and industrial environments.



Its features and applications are as follows:

### 1.1 Key Features:



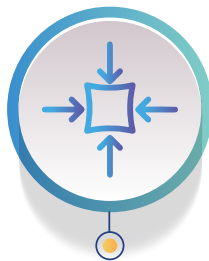
**Detects  
Water Ingress  
at 2mm Height**

Industry  
Standard  
Sensor



**Fast  
Sensing Time  
(<50ms)**

Milli Amps  
Current  
Intake



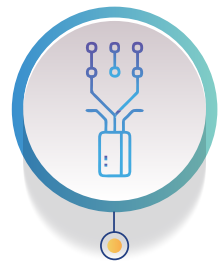
**Compact and  
Low-Profile  
Design**

Range of  
Voltages  
Supported



**Operates on  
a Wide Voltage  
Range (6–24v Dc)**

Alarms and  
Buzzer  
Indication



**Potential-Free  
Contact Output  
(normally Open)**

Blocks  
False  
Alarms

### 1.2 Applications:

- Telecom shelter floor monitoring
- Server room leak detection
- Industrial cabinet water ingress detection
- Smart infrastructure safety systems
- HVAC and utility room monitoring

This type of sensor is particularly suitable for industrial or commercial environments requiring precise monitoring and integration with existing systems.

1.3 Specifications

SL No.	Specification	Value
1	Rated Voltage	12V DC (6–24V DC range)
2	Output Type	Potential Free Contact / Normally Open
3	Rated Load at Output	0.75W
4	Operate Current	<20mA
5	Operate Temperature Range	-5°C to +60°C
6	Sensing Time	<50ms
7	Detecting Leads	Brass / Equivalent Conductive Element
8	Alarm Sensing Height	2mm
9	Dimensions	L64 × W15.6 × H12.7 mm

1.4 Note:

Operating and storage conditions :

- Designed for floor-level water detection. Suitable for use in enclosed environments
- with sensitive electronics.
- Can be integrated with alarm systems or monitoring platforms.

Certifications :

- CE Certified
- RoHS Compliant
- ISO 9001 Manufacturing Standards

Attention :

- Do not immerse the sensor in water beyond its rated sensing height.
- Avoid installation in areas with constant moisture or condensation.
- Ensure proper placement for accurate detection.
- Do not exceed the rated voltage or load.
- Keep away from corrosive liquids or environments.



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