

# WATER DETECTION SENSOR

Model: SP-12



## Preventive Solution to Water Leakage for Industrial, Commercial and Residential Use

### Overview

PICOBOX Water Detection Sensor (SP-12) – Water-resistant sensor specially designed to provide early detection of water sources, prevent damage and downtime from water leaks & spills around data centres, air-conditioning units, chilled water piping, plumbing & condensate lines, clogged drains, sprinkler systems, and building leaks.

The SP-12 water detection sensor has a visual indicator which allows it to be used as a standalone device. It can also be connected to an Environment Monitoring System where SMS / Email alert are sent when a leakage is detected.

### SMS / Email Alert

User can utilize EMS devices such as Message Master 5000's SMS or email alert capabilities to monitor any water leakage before disaster happens. Simply place SP-12 on a flat surface near or around potential water accumulation area. (Ex: air-conditioner water tray, pantry, flood-prone rooms) and connect the dry contact connection to the EMS device's digital input connector. When water bridges the contact on the base of the SP-12, an alarm is trigger which sets off the Alarm LED and opens the normally closed contact, and at the same time SMS or email notification is sent.



### Applications

With SP-12's LED visual indication, it can be placed even in areas which are dark or difficult to access such as below access flooring or above suspended ceilings.

Some typical areas:

- Data Centres / Computer / Server rooms
- Banks / Hotels
- Educational Institutions
- Pharmaceutical / Medical / Chemical Manufactures
- Generator Rooms
- Research Laboratories
- Retail Shopping Centres
- Libraries / Museums
- Semiconductor Manufactures
- Warehouse and Storage Areas
- Housing Estates
- Commercial Office Buildings

### Specifications

<b>Type</b>	: Spot Water Detection Probe
<b>Power</b>	: 12Vdc (Default) or 24Vdc (Cut wire), non- polarity
<b>Output Rating</b>	: NC relay dry contact, 12 or 24V 1A (non-polarity)
<b>Sensing Height</b>	: 1mm to 6mm (Adjustable)
<b>Dimension</b>	: 24 (h), 44 (diameter) mm
<b>Weight</b>	: 120g
<b>Enclosure</b>	: Chrome Plated, Brass Material
<b>Cord</b>	: 4-core (2 Power, 2 Contacts), 3 meters

### Features

- Solid chrome brass construction
- Sealed, waterproof and impact resistant
- 12 or 24V DC, 1A output relay contact
- Fail safe, normally close (NC) relay contact
- Adjustable sensor height
- Visual alarm indication (2 colours LED)
- Standard 3m cable length

*\*In the interest of product development, specifications are subject to changes without prior notice.*