



PICOBOX Sensor WATER DETECTION SENSOR MODEL: SP-12



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

INTRODUCTION

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 and spills around data centers, air-conditioning units, chilled water piping, plumbing and condensate lines, clogged drains, sprinkler systems, and building leaks.

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

FEATURES

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

SMS AND EMAIL ALERTS

Users can utilize EMS devices, such as Picobox REX and FMGuard, by using its SMS and email alert capabilities to monitor any water leakage before a mishap happens. Simply place SP-12 on a flat surface near or around potential water accumulation area and connect the dry contact to the EMS device's digital input terminal. When the water bridges the contact on the base of SP-12, an alarm is triggered which sets off the Alarm LED and opens the normally closed contact, and at the same time, SMS or Email notification is sent.



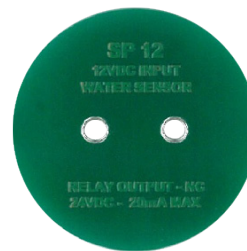
APPLICATION

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

TECHNICAL SPECIFICATION

Type	Spot water detection probe
Power	12VDC or 24VDC non polarity
Output Rating	Normally close (NC) relay dry contact 12 or 24VDC, 1A (non polarity)
Sensing Height	1mm to 6mm (adjustable)
Dimension	24 (h) x 44 (diameter) mm
Weight	120g
Enclosure	Chrome plated, brass material
Cord	4-core (2 power, 2 contact), 3 meters

PHYSICAL LAYOUT



SP-12 (12VDC)
Green colored PCB



SP-12 (24VDC)
Blue colored PCB



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