



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

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.



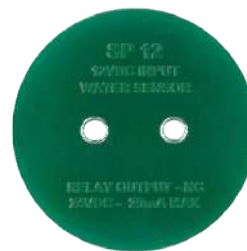
APPLICATION

- ✓ 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



SINGAPORE

Blk 3, Ang Mo Kio Industrial
Park 2A #06-08/10, AMK Tech
1, Singapore 568050
☎ +65-6484 6368
☎ +65-6484 6369

PHILIPPINES

Unit 2504 Tycoon Condo-
minium Centre, Pearl Drive,
Ortigas Centre, Pasig City
1605, Philippines
☎ (+632) 650-0735
☎ (+632) 650-0798
☎ (+63) 917-810-6685
☎ (+632) 650-0794

MYANMAR

No 1482, Myin Taw Thar Rd,
1 Ward, Tharkayta, Yangon,
Myanmar
☎ +65-6484 6368
☎ (+95) 94248 88380
☎ +65-6484 6369

MALAYSIA

Unit 136, Level 1, Lobby 7
Block A, Damansara Intan
No. 1, Jalan SS20/27 Petaling
Jaya, 47400 Selangor Darul
Ehsan, Malaysia
☎ Tel: +603-7622 9968