

## SPD-101

### Spot water leak detector

SPD-101 adopts a fully sealed design, and the electronic components are less affected by environmental factors, ensuring the high precision and reliability of the product. It has the characteristics of high sensitivity, fast response and easy installation.



### Features

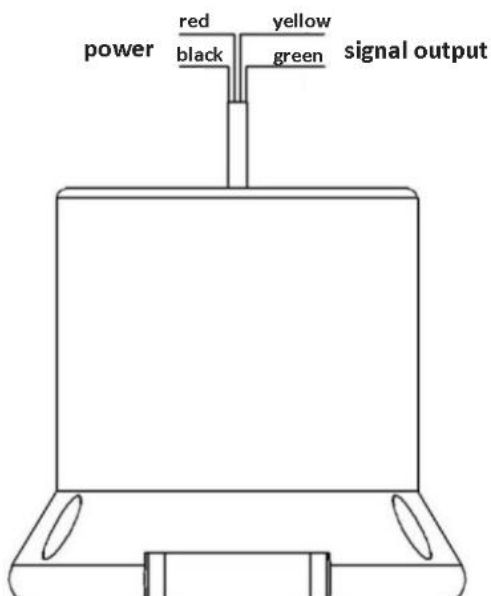
- The product adopts industrial grade electronic components, which can not only ensure high sensitivity during detection, reduce false alarms caused by various external factors, but also ensure long-term stable operation of the sensor.
- Adopting explosion-proof design, it can be installed and used in any places with explosion-proof requirements, such as gas stations, oil depots, and dust-concentrated spaces, etc.
- Use photoelectric detection theory and have function of anti-strong light influence.
- The probe adopts a corrosion-resistant spherical protective cover to extend the service life.
- The product has three screw fixing positioning holes, which ensures the installation firm and reliable.
- Provide a set of alarm relay output, when leakage occurs, the relay output a signal to alarm or close the valve or other actives. The detector will automatically reset after the risk is eliminated, and return to normal state without manual reset.

## Specification

|                                   |   |
|-----------------------------------|---|
| Model number                      | SPD-101   |
| Usage                             | Leakage detection for water, weak acid liquid less than 30% |
| Theory                            | Photoelectric Detection                                     |
| Storage temperature               | -10°C~60°C  |
| Operating temperature             | -10°C~50°C  |
| Operating humidity                | 0~100%RH (no condensing)                                    |
| Power supply                      | 9V -30V DC  |
| Rated power                       | 0.2W  |
| Power frequency withstand voltage | 0.5KV/1min 1mA  |
| Insulation resistance             | >100MΩ  |
| Relay output                      | 1 group, NO & COM   |
| Cable length                      | Standard 2 meters   |
| Material                          | Metal shell, filled with epoxy resin                        |
| Dimension                         | Φ47*42.5mm  |

## Installation

The product can control peripheral devices such as sound and light alarms, telephone dialler, switch value acquisition modules, SMS alarm modules, etc., based on the output signal of the relay.



| Wire color | Definition     |
|------------|----------------|
| Red        | Power positive |
| Black      | Power negative |
| Yellow     | COM            |
| Green      | Normal open    |

Please install the product on a firm floor or sink, etc. The installation position should avoid high temperature and humidity, vibration, corrosive gas environment and other sources of electronic noise interference. Use screws to fix the locating hole for installation, and make sure the power disconnected before wiring.

### Notes

This product is an electronic device, please follow the following precautions to avoid damage to electronic components

- Do not modify or disassemble it;
- Please do not touch it with wet hands when power connected;
- Before installing the device, please check the rated voltage and power supply voltage;
- When using the relay output, please confirm the rated load of the device connected;
- Please avoid using organic solution during regular inspection and maintenance, and use dry cotton yarn to wipe;
- Avoid contact with metal filings, grease, pipe paint and other contaminants