

YDE-WDT 系列水浸传感器
YDE-WDT Series water immersion sensor

✧ 主要功能与特性 Function and Features

1. 基于液体导电原理，用电极探测是否有水存在，再用探测器转换成干接点输出。based on the principle of conductive liquid, use electrodes to detect whether there is water, and then probe into a dry contact output. Have the function of scene warning.
2. 具有现场报警指示功能；为利于现场调试，用二极管指示，正常时绿灯亮，告警时红灯亮。To convenience scene debugging, instructed with the diode, red light shows warning while green shows normal.
3. 具有两种输出状态：常开和常闭（通常为常开）。Has two output states: normally open and normally close (usually is normally open).
4. 一个探测器配可带多个电极片（10个）。A detector equipped with many electrode film (ten).
5. 水浸检测线不可擅自用钉子直接固定，以免造成其功能失效。Accessories packed shall be used to fix the cable in the installation.

✧ 技术参数 Technical Index

输入方式一：水浸传感器专用电极，电极用绝缘基板和薄不锈钢板电极构成，在绝缘基板一侧嵌入薄不锈钢板电极，可检测的最小积水深度 1.6mm。Input mode 1: Water immersion sensor electrodes, electrodes with insulating thin stainless steel substrate and the electrode composition, in the insulating substrate embedded in the side of thin stainless steel plate electrode, could detect the smallest Water depth of 1.6 mm.

S3-WDT-P :



输入方式二：专用水浸检测线

Input mode 2: Water Immersion Detecting Cable;

S6-WDT-L:



输出 Output: 常开接点/常闭接点

Normally open contact/Normally closed contact

辅助电源 Auxiliary supply: ①P1: DC24V±15%; ②P2: DC12V±10%; ③P4: DC15V±10%; (选配 Optional)

工频耐压 Insulation Voltage: 输入/输出/电源间 Between

Input/Output/Power: DC1.0kV/min 1mA

接点容量 Contact capacity of replay output: DC30V, 1A

整机功耗 Consumption: <1VA

绝缘电阻 Insulation: $\geq 20\text{M}\Omega$ (DC500V)

引线长度 Lead wire length: <150m

探测灵敏度 Detection sensitivity: 50k Ω

工作环境 Working environment: -10~50℃,

20%~90%无凝霜 Without condensation

贮存环境 Storage conditions: -40~70℃,

20%~95%无凝霜 Without condensation

安装方式 Installation: DIN (35mm) 导轨安装及 M3 螺钉固定
guide apparatus and panel screw fixation M3

外形尺寸 Dimension: YDE-WDT 系列 series:

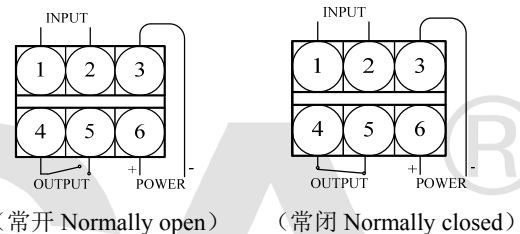
43±0.5mm×75±0.5mm×71±0.5mm

S3-WDT-P: 67±0.5mm×34±0.5mm×7±0.5mm;

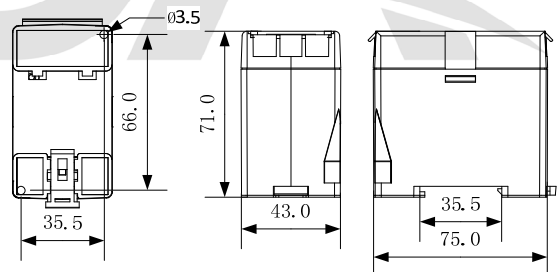
S6-WDT-L: 宽度 Width: 12mm, 厚度 Thickness: 5.5mm



✧ 接线方式 Connection Diagram



✧ 产品结构图 External Dimensions (单位 Units: mm, 公差 Tolerance: ±0.5)



✧ 注意事项 Notice

1. 建议连接线使用屏蔽线，且电源线、输入线和输出线相互分离；Shielded cables are recommended and cables of the power supply, input and output shall be separated;
2. 使用环境应无导电尘埃和无腐蚀金属和破坏绝缘的气体存在，海拔高度小于 2500 米。The operating environment allows no electric dust or gases that corrodes metal or destroys insulation. The altitude is less than 2500m.

注：以上图片仅供参考，产品以实物为准，

Note: The above pictures are for reference only, the products are subject to the actual product,
版权所有，保留一切权利。内容如有改动，恕不另行通知。
Copyright, all rights reserved. Specification subject to change without prior notice.