

## WDC Range Dual Zone Water Leak Module – Water Leak Detection Module



### Key Features:

- Standalone water leak module, available as a DIN-railed mountable, with or without an enclosure.
- Used with S&S water leak pucks, 2 core cable or 4 core cable.
- PCB only version available
- LED status indication
- Integrated audible alarm option available upon request
- Relay output for BMS connectivity
- Up to 300m cable on each zone.

### Product Overview:

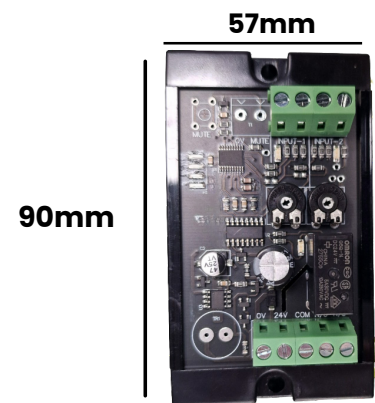
The WDC-24 from S&S Northern is a 24VDC DIN rail-mounted, two-zone water leak detection unit designed for integration into critical infrastructure and commercial environments. Compatible with a range of sensors including point and cable, the system supports up to 300m of sensor cable per zone (200m for cable sensors), inclusive of lead wire. WDC-24 ENC comes with a white enclosure, or the WDC-24 is available as a PCB circuit board module only.

The unit features adjustable sensitivity settings to prevent nuisance alarms and delivers a consistent excitation signal to maintain sensor performance—even in prolonged damp conditions. Each zone includes a relay output for triggering remote alarms or BMS integration with latching alarm to suit diverse application needs.

### Technical Specifications

Power Supply Options:	WDC-24
Relay Type:	Single Pole Change Over
Relay Contact Ratings:	Normally Open (NO): 5A @ 250Vac (resistive load) Normally Closed (NC): 3A @ 250Vac (resistive load)
Sensor Inputs:	Two input terminals for S&S 2 core, 4 core and pucks
LED Indicators:	One LED per channel: Illuminates when alarm is triggered
Relay Logic:	Relay energizes (COM to N/O) on alarm
Alarm Hysteresis:	Adjustable based on sensitivity settings
Electrical Connections	Rising cage terminals suitable for 0.5-2.5mm <sup>2</sup> cables
Environmental Conditions:	Operating Temperature: -10°C to +50°C Relative Humidity: 0-90% RH, non-condensing

### Dimensions



DIN Rail Mounted

### Models Available

WDC-24 ENC	24VDC two zone water leak module with enclosure
WDC-24	24VDC two zone water leak module PCB, no enclosure
WDC-24-A ENC	24VDC two zone water leak module with enclosure & audible alarm
WDC-24-A	24VDC two zone water leak module PCB, audible alarm & no enclosure