



SIGNALINE

Water Detection Cable

Signaline Water detection cable (Signaline WD) is designed to protect buildings and installations where equipment and valuable property might be vulnerable to water ingress. Early detection of water can reduce or prevent costly downtime caused by water damage. The flexible but tough detection cable acts as a sensor along its entire length.

The Signaline Water Detection Monitor (WDM) analyses the attached Signaline WD cable continuously for the presence of water and cable faults along its entire length. The presence of water triggers an alarm.

Water alarm and cable fault signals in the Signaline WDM and maybe reported to a supervisory building facilities management control panel, standalone local alarm indicator or fire alarm control panel (conventional or addressable).

The Signaline WDM will analyse up to 1000m of Signaline WD cable for the presence of water. It is a simple plug and play system that requires no calibration or lengthy commissioning. Volt free relay contacts signal the presence of water or a cable fault. The monitor requires a 24 Vdc supply.

Features

- Self resetting
- Up to 1000m per zone
- Can detect water anywhere along its entire length
- Simple and straightforward commissioning
- Standalone and fully monitored configurations
- Addressable or conventional

How it works

The Signaline WDM sends a short pulse down the Signaline WD cable, the monitor then waits for the return signal. If no water is present on the cable there is no return signal.

When water is present, a return pulse is reflected back by the water. The Signaline WDM generates an alarm signal.



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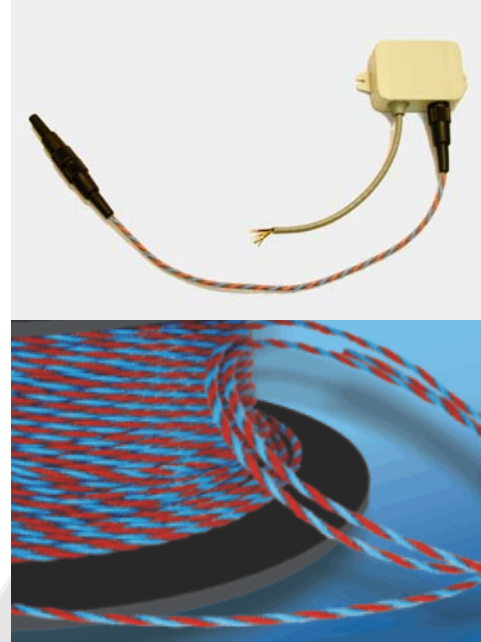


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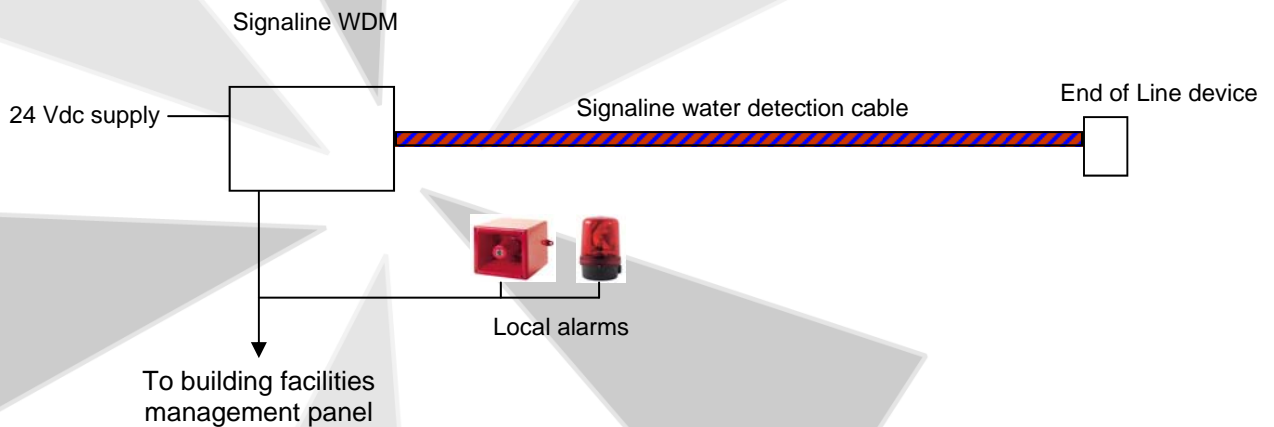
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Typical Applications

- Data centres
- Fire sprinkler systems
- Water piping/drains
- Electric cable tunnels
- Building flood alert
- Air conditioning drip pans
- Control rooms
- Clean rooms
- Condensation drains
- Heating/cooling water supply
- Overhead piping
- Roofs and basements
- Telecoms switches
- Racked equipments
- Historic buildings



Typical system configuration



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