



## Applications: Data Centres

With the increased reliance on IT the associated infrastructure has become imperative for day-to-day activities. Now websites, records, email services, storage and back up systems are often held at large data centre facilities across the world.

Anything causing these data centres to go offline will result in expensive downtime for the owners and considerable inconvenience for their customers. Therefore it is crucial that all precautions are taken to avoid such problems. Due to the fact that these centres must be air-conditioned water ingress can be a significant issue. Air-conditioning units are not only susceptible to leaks but condensation can also lead to a build up of water which can become harmful to electronic equipment. More importantly, escaping water from the buildings plumbing system feeding the wash rooms and other service areas, can be disastrous in an IT facility.



A Signaline WD Water Detection Cable System can provide the ideal solution for data centres. Signaline WD Water Detection Cable will pick up small amounts of water, raise an alarm and bring attention to this problem before it is too late. Generally this will be in the floor void below the server racks.

Installers should put prior thought into where water will gather. The cable can then be laid in this area and secured using a Signaline Water Clip. A Signaline WDM-KM Control Module will then continuously monitor the length of cable and raise an immediate alarm if a water detection signal is given.

A Signaline WD Water Detection Cable System provides the end user with great flexibility. Up to eight Signaline WDM-KM Control Modules and the associated detection cable can be monitored by a Signaline CB200W Control Panel which will automatically sound alarms. Alternatively the water alarm and fault contacts within the Signaline WDM-KM Control Module can be integrated into the building management system on site thus allowing service engineers to be on site and dealing with water ingress at the earliest instance.



Up to 1000m of Signaline WD Water Detections Cable can be monitored by a single Signaline WDM-KM Control Module making Signaline WD Water Detection Cable a highly cost efficient form of water detection.

Also in the Signaline family is Signaline Heat Sensing Cable, this is a heat sensing cable that offers an ideal solution for detecting the early stages of fire in high voltage cable trays and tunnels that power data centres.

Please refer to [www.signaline.com/heat](http://www.signaline.com/heat) for further details or contact our sales office.

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