



TTK addressable water leak detection system allows **reliable and fast detection** at a very early stage of water leaks on any water equipment



WATER LEAK DETECTION SOLUTIONS FOR WATER HEATERS



TTK IN RESPONSE

TTK is the leading manufacturer of Liquid Leak Detection Systems with over 30 years' experience, specializing in water, oil/fuel and acid liquid leak detection solutions in both commercial and industrial applications.



OTHER TYPICAL APPLICATIONS

- ▶ Fire Sprinkler Pumps
- ▶ Vertical Risers
- ▶ Piping in Critical Areas
- ▶ Boilers
- ▶ Hydronic Heaters
- ▶ Water Cooled Air Equipment
- ▶ Elevator Pits

*Systems also available for Acid and Hydrocarbon Detection

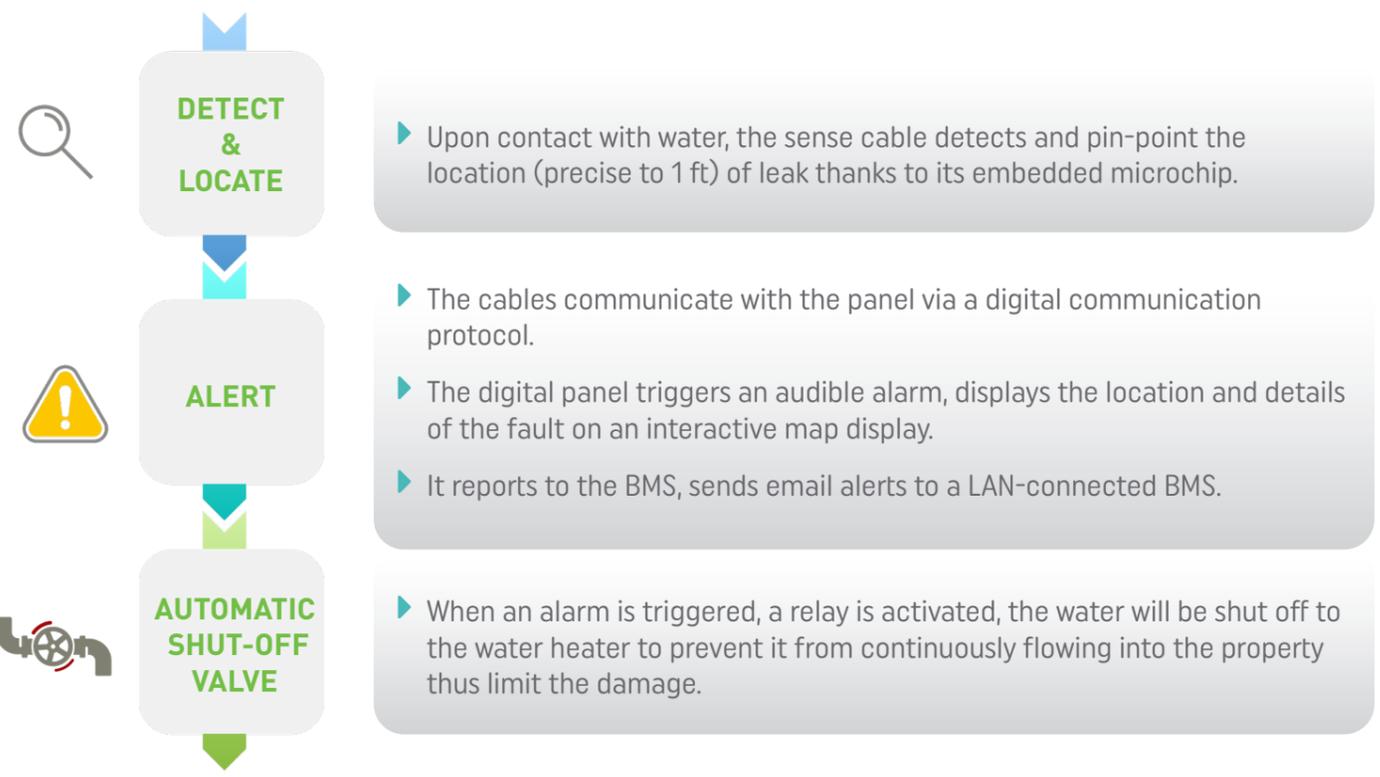


TTK headquarters / 19, rue du Général Foy / 75008 Paris / France / www.ttk.fr
Find out more at ttkusa.com or connect with us:

WATER LEAK RISKS IN COMMERCIAL BUILDINGS

- ▶ Water leakage is a common issue for all types of commercial properties.
- ▶ Unaddressable leaks on pressurized systems will cause significant flooding, leading to severe financial consequences.
- ▶ If addressed early, damage and costs incurred can be mitigated.
- ▶ Regular maintenance is always suggested, but a reliable leak detection system will allow for 24/7 monitoring and early detection.

HOW DOES TTK WATER LEAK DETECTION SYSTEM WORK?



TTK WATER LEAK DETECTION SOLUTION FOR WATER HEATER

TTK water leak detection system consists of two essential parts: digital leak monitoring panel and addressable sense cable.



DIGITAL LEAK MONITORING PANEL

Designed to collect and display information from microprocessor-embedded leak sensors on local panel and communicate to Building Management System via Modbus or TCP/IP protocol.



Simultaneous alarms displayed



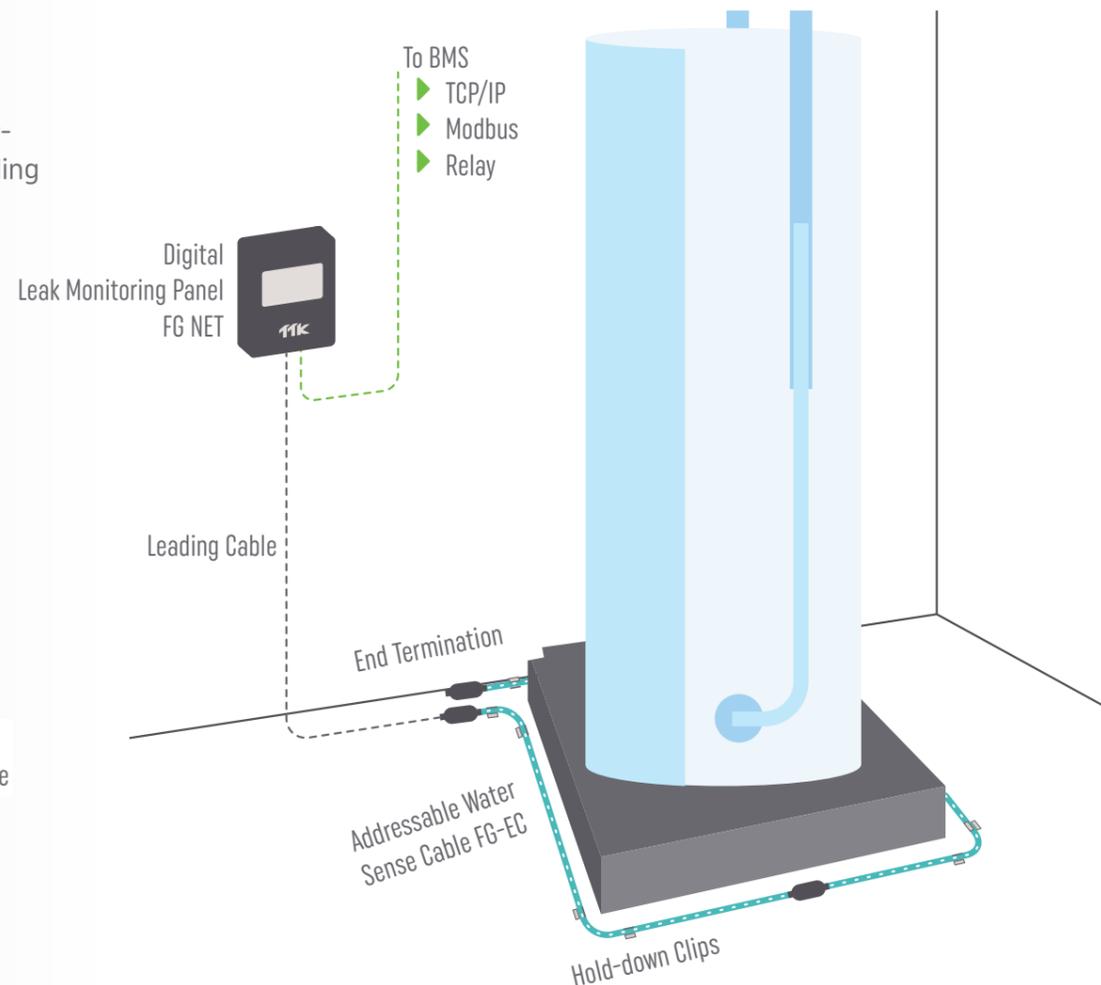
Dynamic map show the leak directly from the screen at real time

ADVANTAGES OF TTK WATER LEAK DETECTION SYSTEMS

- ▶ Early detection with accurate location of leaks (precise to 1 ft)
- ▶ Reliable detection: unique cable structure helps to efficiently prevent false alarms
- ▶ Simultaneous faults can be detected, no single leak can hide behind another in the same zone
- ▶ Addressable system: microchip embedded into each sense cable
- ▶ Very fast response & reusable cables
- ▶ TCP/IP connection, MODBUS integration
- ▶ Robust system with long service life, standard 10 year warranty

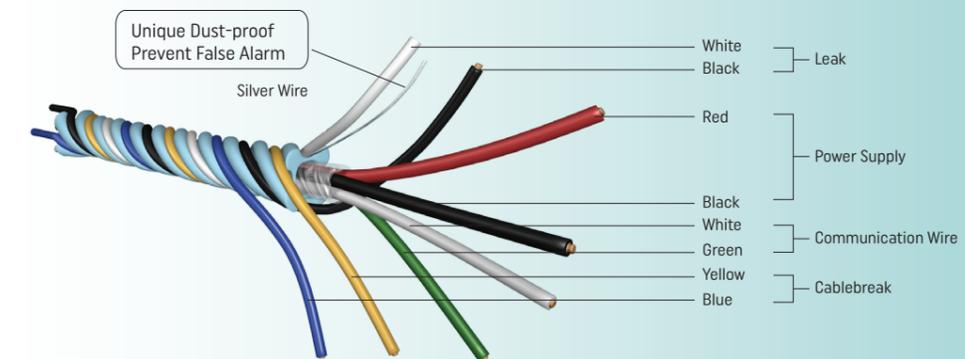
WHERE TO PLACE THE WATER SENSE CABLES?

- ▶ The sense cables are installed surrounding the base of the equipment (eg: water heater), in a position where the leaking water would first appear,
 - ▶ mounted in a drip pan
 - ▶ mounted directly on a concrete pad.
- ▶ There are a few factors to take into consideration when deciding where exactly to place the sense cables. Contact Factory Representative for a tailored solution for your project.



ADDRESSABLE WATER SENSE CABLE

The addressable, microprocessor-embedded sense cable provides fast detection and pin-point location of water leaks, along entire length. Self monitoring cable (or point sensor) will communicate status to controller.



ADVANTAGES OF TTK WATER SENSE CABLES



FAST RESPONSE

Reactive to even small puddles of water



FALSE ALARM PROOF

Non-sensitive to humidity, condensation, dust, metal particles or drip pan edges



HIGH VISIBILITY LED

Quick identification of individual cable status



REAL-TIME COMMUNICATION

Microprocessor embedded allowing intelligent monitoring of cable status



LSZH

Made with special Low Smoke Zero Halogen materials

