



Micro-FluidWatch®

Model No.: MC-FW

Overview

The Micro-Fluidwatch is a miniature leak detection sensor designed for integration with mission-critical equipment for IT as well as industrial applications. The sensing cable is highly flexible, ruggedized, and has no exposed metal. The sensing cable can detect the presence of any liquid within seconds.

Micro-FluidWatch

Model No.	Part Number	Description
MC-FW	8027810	Micro-FluidWatch w/ 3ft Sensing Cable

Features & benefits

- Detects both electrically conductive and non-conductive liquids
- Insensitive to dust dirt buildup and corrosive environments
- Small form factor fits hard-to-access areas
- Highly flexible and ruggedized sensing cable
- Built-in Open drain outputs
- LED status indication

Specifications

physical and environmental

Sensing Cable Dimension (D x L):	0.08" x 36.00" / (2mm x 914mm)
Controller Dimension (L x W x H)	1.13" x 1.13" x 0.75" / (29mm x 29mm x 20mm)
Overall Weight	1 oz. / 30 g
Operating Temperature:	-4°F to 180°F / (-20°C to 80°C)

electrical & communications

Supply Voltage:	3.3Vdc – 12Vdc
Output Sink:	<u>3.3Vdc @ 4mA Max</u>
Output Signals:	32kHz, 3.3Vdc and 0Vdc
Output States:	Leak, Break/No Cable, Good

leak detection performance*

Water or Aqueous Solvent	< 5s
Glycol & Water (PG25)	< 5s
Deionized Water	< 5s
Hydrocarbon	< 5s
Dielectric Fluids	< 5s

note* Leak detection performance is based on PermAlert internal lab test result. Actual application, placement of sensor and environmental factors may alter performance.

regulatory compliance



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