



A.T. Monitors

A leader in leak detection and level monitoring equipment

ATI-5005T-RC Thread-mount Sensor with Relay Contact

The ATI-5005T-RC Thread-mount Sensor is designed to detect water or other conductive liquids at point locations in tanks, sumps, piping, HVAC ducts and AC units, and many other locations. When the electrodes on the sensor detect water or conductive liquids, it closes the circuit and activates the internal relay, instantly closing the contact to activate an external device. When liquid is no longer present, the alarm state is automatically cleared.

NOTE: ATI monitor NOT required. Will work with PLCs and other monitoring systems that have inputs for switching type sensors.

Sensor

Immersion type sensor consisting of a corrosion resistant aluminum alloy housing and stainless-steel conductivity electrodes with a nylon insulator. This sensor also features a blue LED for power and a red LED for alarm

Internal Relay Contact: Normally Open.

Contact Rating: 300mA @ 125VAC, 1A @ 24VDC. (Green & White wires)

Dimensions

L 2.75" (70mm) x D 1.62" (41.5mm).

Mounting: 1/2" NPT male thread.

Power Supply

12 to 24 VDC @ 200 mA. (Black & Red wires)

Operating Range

Temperature: 0 to +70 °C (+32 to 158 °F) at contacts.

Can function at lower temperatures as long as liquid does not thicken or solidify.

Pressure: Up to 200 psi at contacts.

APPLICATIONS

- Product spill & flood protection
- Computer data center sub floors
- File & data storage rooms
- Building sub-levels
- Boiler rooms
- Hallways and corridors
- Pipelines & electrical conduits
- Portable water leak detector

Detectable Liquids & Response Time

Water and/or any conductive liquid with a resistance less than 500K ohms.

Water: Instantaneous.

Other: Depends on conductivity of the liquid.

Repeatability

Excellent, even after repeated immersions.

Installation Wiring

4-conductor cable.

Warranty

One (1) year, limited warranty.



IMPORTANT: This device must be used with an approved zener diode IS barrier and in compliance with applicable federal, provincial, state and local laws and regulations when installed in hazardous locations. Product selection should be based on physical specifications and limitations and compatibility with the environment and materials to be handled. **Armstrong Technologies MAKES NO WARRANTY OF FITNESS FOR A PARTICULAR USE.** All information and specifications in this literature are based on the latest product data available at the time of publication. We reserve the right to make changes at any time in prices, materials, specifications and to discontinue products without notice or obligation.



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