Water Sensor

Part Number: RWS (15 ft cord)
                 RWS-100 (100 ft cord)

Knows when water invades your equipment or server room.

- Used to detect water leaks
- Connects to the Geist Climate Monitor via Analog Input or Analog to Digital Converter
- Receive alarms via email or SNMP

The water sensor allows the Geist Climate Monitor to detect leaks that could damage your equipment. The sensor measures conductivity and indicates whether the sensor is dry, damp, or completely immersed in water.

When water or other conductive liquid is present, a tiny electrical current flows between the metal contacts on the sensor. The more liquid the higher the current. A cable attached to the senor allows the climate monitor to detect the presence and severity of a leak. Some example sources include:

- Plumbing fixtures
- Air-conditioner drip pans
- Condensation-outflow pans
- Roof/ceiling leaks

Connecting to the Geist Climate Monitor

There are two options for connecting the water sensor to the Geist Climate Monitor. Since the water sensor provides a 0-5 VDC it can connect directly to an Analog Input. If other sensors occupy these inputs or the climate monitor doesn't have them, then you can use a Analog to Digital Converter interface to convert the sensor to digital.
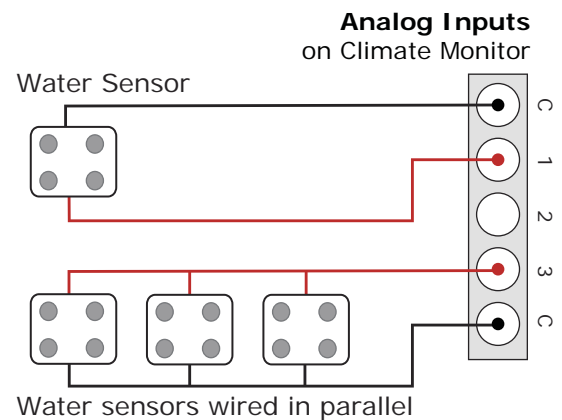
Multiple water sensors can be wired in parallel to a single Analog Input or Analog to Digital Converter. This is a good way to free up inputs for other types of sensors, but you won't know exactly which sensor detected the leak.

Alarms

The web interface provided by the Geist Climate Monitor allows you to configure alarms to notify you if water is present. The notification is sent through email and/or SNMP trap. Some units can also trigger an alarm buzzer or energize an output relay.

A water sensor shown with the metal contact points facing up. When installed, these metal contacts must face down.

Analog Inputs
on Climate Monitor

Water Sensor

Water sensors wired in parallel

One or more water sensors can be connected to each Analog Input or Analog to Digital Converter. Wired in parallel, a leak is detected if any of the sensors become wet.

Sensor Details

Specifications
Conductivity-based sensor (0-5 VDC)
Cable length: 15' or 100'
Cable type: 2-conductor wire
Warranty: 1 year

Compatibility
Works with all climate/power monitors with analog ports
Compatible with Analog to Digital Converter