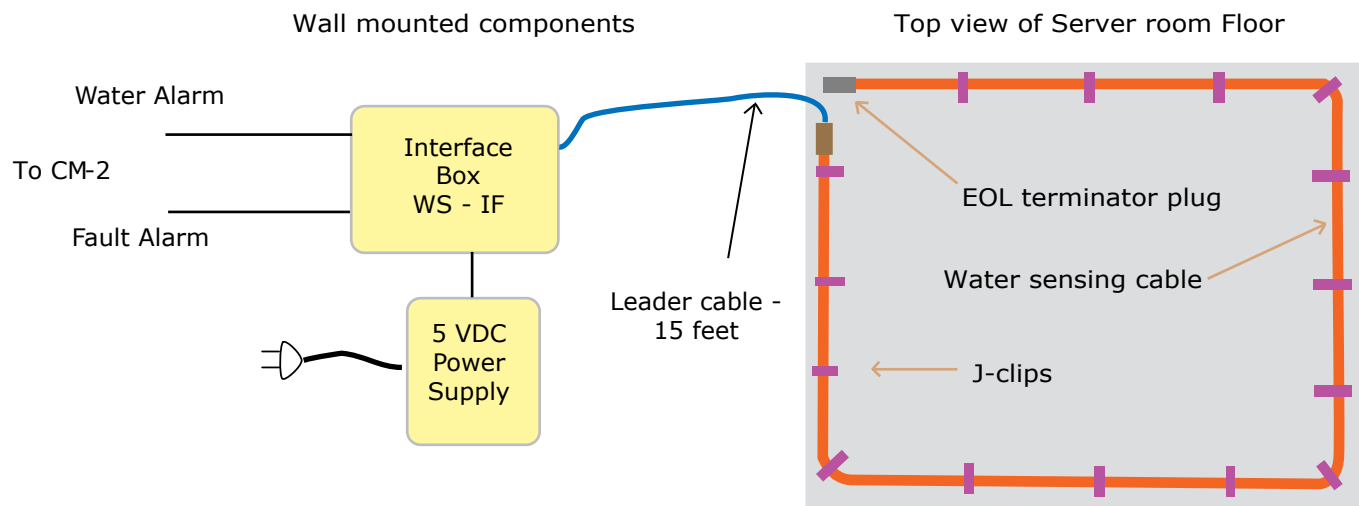# WaterSnake
Cable Water Sensor

Water lurks in walls, ceilings floors, and air conditioning evaporator trays - it can kill your gear fast. Protect a room or a data cabinet with this water-sensitive cable

Detect Moisture Over a Wide Area

This cable detects water presence (or any conducting fluid) over its entire length. Typically used to protect computer server rooms from water damage, the WaterSnake attaches to a Computer Room Monitor and Alert System CM-2, using only four wires. When water is detected, the climate monitors will send e-mails or page personnel.

This cable length water sensor can surround the periphery of a room or encircle rows of data cabinet. If the cable becomes wet, an alarm is sent via the Climate Monitor.

Wall mounted components

Top view of Server room Floor

The WaterSnake's four components: the sensing cable, a leader cable, the interface box and a small power supply. The interface box and power supply are usually wall mounted. The sensing cable secures to the floor with plastic J-clips.

Durable Water Sensing Cable

The thermally-bonded, polymer-coated carrier increases strength and durability and virtually eliminates false alarms which are common with other cables of this type.

The construction yields a strong, durable and abrasion resistant cable with easy installation and expansion with factory-attached mating end connectors.

The cable is highly flexible and lies flat after installation. It resists bends and kinks which makes installation quick and easy. The cable is plenum rated and UL listed.

Separate Alarms: Water and Fault Detect

The interface box constantly monitors the sensing cable's status for water presence and cable faults. If the cable becomes cut or disconnected, an alarm condition is sent to the WeatherGoose on a pair of wires (see wiring diagram).

If a wet condition is detected, a separate signal is sent to the CM-2 Each signal is alarmed separately.

The cable can be used with a CM-2

The CM-2 unit does not require any special interface.

The CM-2 has three general purpose I/O inputs which are used for a variety of sensors, such as door position magnetic switches, which are referred to as "C123C" ports. The WaterSnake uses two of the three ports: one for water alarm and the other for fault alarm. The remaining port can be used for other sensing tasks.

Simple Installation

The sensing cable (orange wire) attaches to the floor using small nylon J-clips. The sensing cable is then attached to a cigarette-pack size wall mounted interface box.