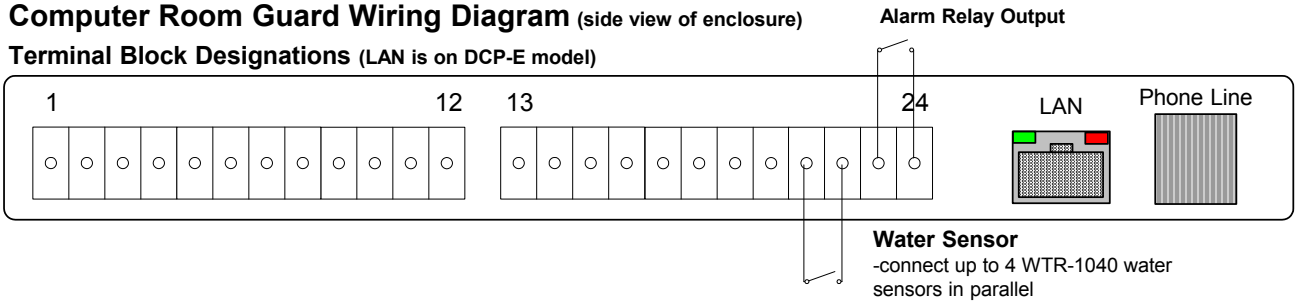
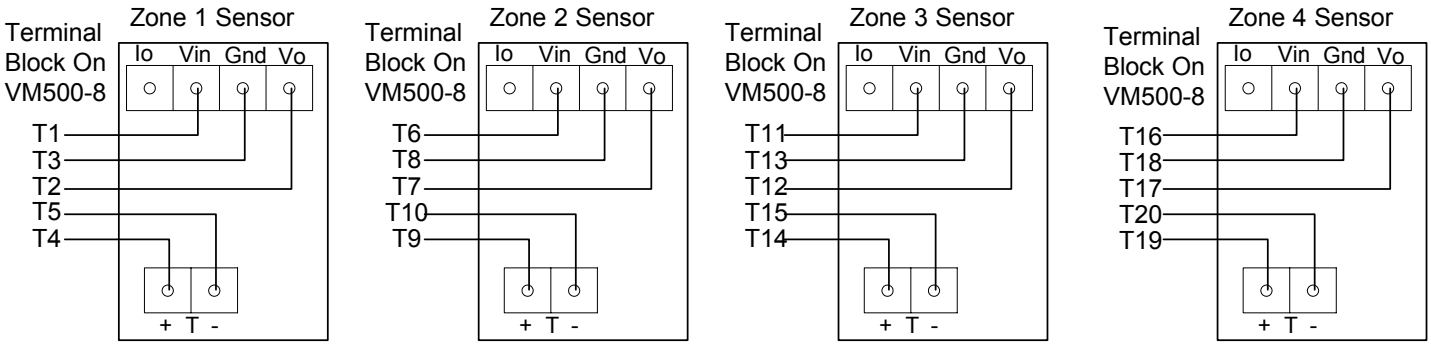
Computer Room Guard Wiring Diagram (side view of enclosure)

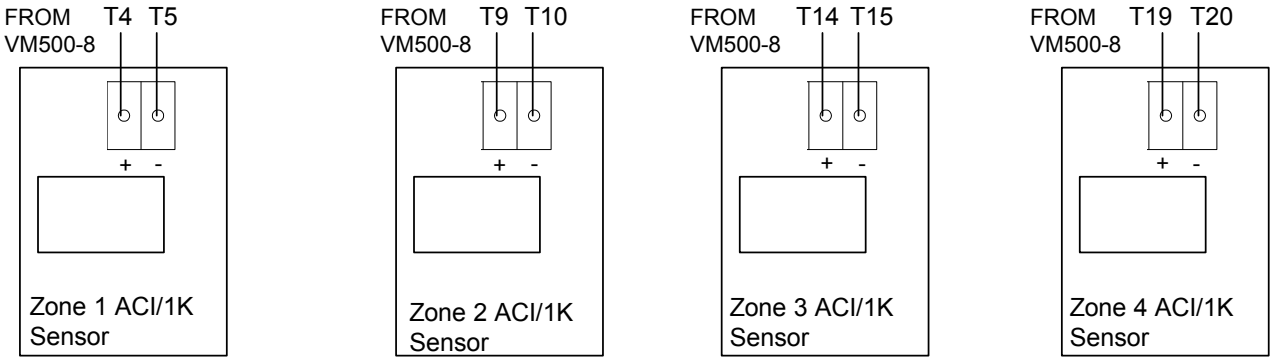
Terminal Block Designations (LAN is on DCP-E model)



ACI/1K-2W-RH3-R TEMPERATURE AND HUMIDITY SENSOR WIRING



ACI/1K-2W-R TEMPERATURE SENSOR WIRING



Installing the ACI/1K-2W-RH3-R Temperature and Humidity Sensor and the ACI/1K-2W-R Temperature Sensor

The sensors should be placed away from excessive moisture, corrosive fumes, vibration, or extremely high temperatures. The base of the housing was designed to mount over a standard 2" X 4" junction box or flush to the wall.

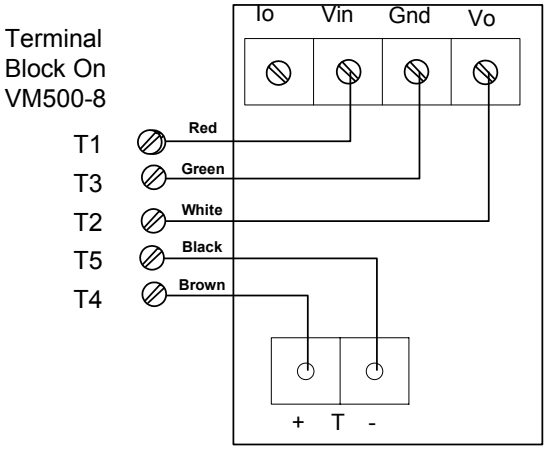
1) Turn off the VM500-8.
2) Mount the unit on an indoor wall, approximately 4 to 6 feet above the floor.
3) Make sure the unit receives adequate airflow.
4) Use a 5 conductor or a 2 conductor cable for the temperature sensor and a three conductor for the humidity sensor, 22awg to connect the sensors to the VM500-8 following the diagram above. Please note the teminal numbers.
5) Verify the sensor wiring and then snap the cover into position.
6) Turn out the (2) 1/16" Allen screws located at the bottom of the enclosure until the cover cannot be removed.

Installing the WTR-1040 Water Sensors

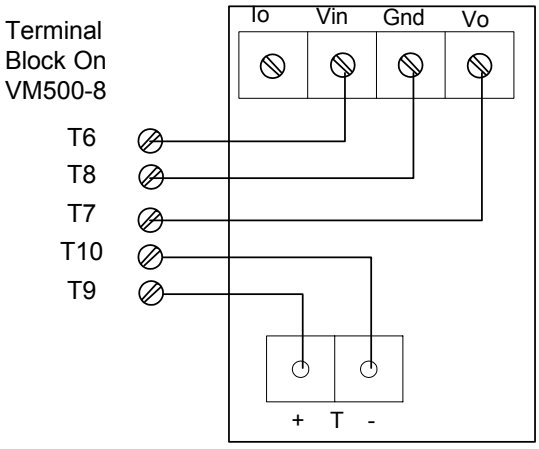
1) Locate the sensor in the desired area to monitor for standing water. The four steel contact points must be against the floor and the black side facing up.
2) For a permanent installation, cut out the thin plastic film in the center of the sensor and the bolt the sensor to the floor through the hole.
3) Run the sensor wire to the monitor and connect one conductor to terminal 21 and the other to 22. Repeat for additional sensors.

ACI/1K-2W-RH3-R TEMPERATURE AND HUMIDITY SENSOR WIRING

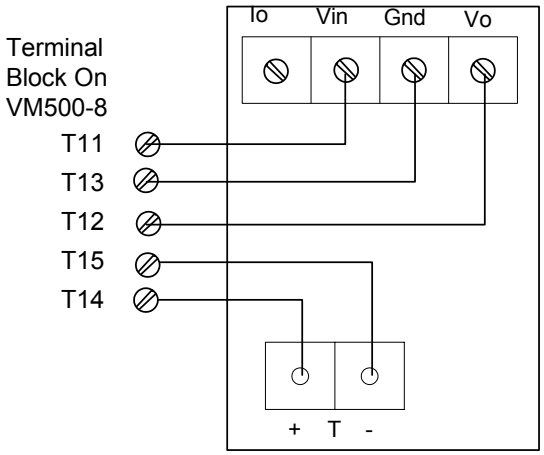
ACI/1K-2W-RH3 to Zone 1 Input



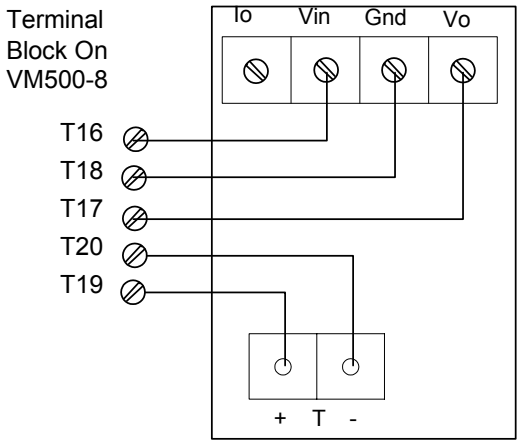
ACI/1K-2W-RH3 to Zone 2 Input



ACI/1K-2W-RH3 to Zone 3 Input



ACI/1K-2W-RH3 to Zone 4 Input



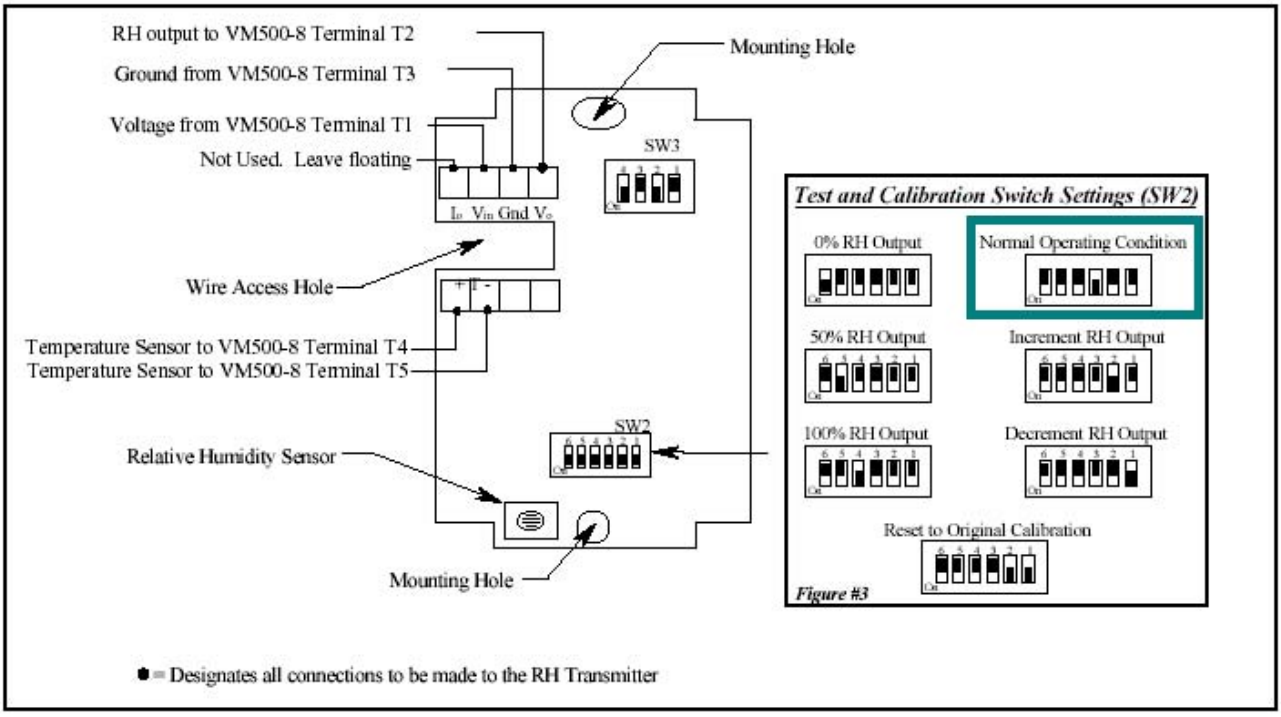
 May 2009

Temperature Guard

Installation and Operation Instructions
ACI/1K-2W-RH* Sensors

Please Read Instruction Carefully Before Installation!

■ **Wiring Diagram Connecting ACI/1K-2W-RH* Sensor to Zone 1 Sensor Input of the VM500-8**



■ **RH Test and Configuration Dip Switch Settings (See Figure #3)**

Note: Do not adjust these switches unless you are using them to troubleshoot or recalibrate the sensor. Dip switch #3 should always be left in the ON position. Failure to do so will not allow the VM500-8 to read the sensor (The output will always remain the same).

0% RH Output - Sensor always outputs a 0%RH value.

50% RH Output - Sensor always outputs a 50%RH value.

100% RH Output - Sensor always outputs a 100%RH value.

Normal Operating Condition - The DIP switch must be set in this position for the RH signal to change, due to the actual measurement of the Relative Humidity by the humidity sensor.

Increment RH Output - This DIP switch will allow you to calibrate the sensor through the software. The switch must be toggled from the ***Off*** to the ***On*** position and then returned to the ***Off*** position for an increase of 0.5% RH. This means that if your humidity has drifted 1% lower over a certain time period, you will be able to toggle the ***Increment RH Output*** switch **(2)** times in order to slide the whole curve upward 1%. ***Note: This is only a single point calibration, and is not recommended for critical applications. Please contact the factory before doing any field calibration.***

Decrement RH Output - This DIP switch will allow you to calibrate the sensor through the software. The switch must be toggled from the ***Off*** to the ***On*** position and then returned to the ***Off*** position for a decrease of 0.5% RH. This means that if your humidity has drifted 1% higher over a certain time period, you will be able to toggle the ***Decrement RH Output*** switch **(2)** times in order to slide the whole curve downward. ***Note: This is only a single point calibration, and is not recommended for critical applications. Please contact the factory before doing any field calibration.***

Reset to Original Calibration - Both the ***Increment*** and the ***Decrement*** DIP switches should be turned on for a ***minimum of 5 seconds*** before turning them both off again. This will allow you to reset the transmitter back to the original factory calibration.