

MYSTIC

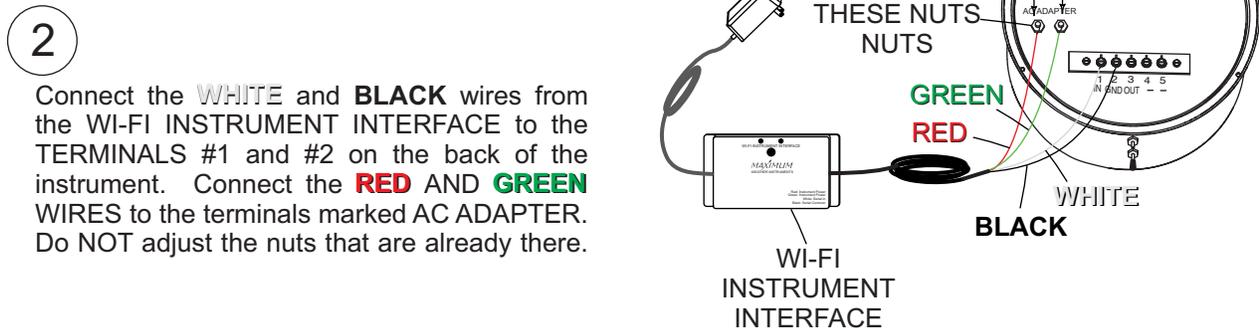
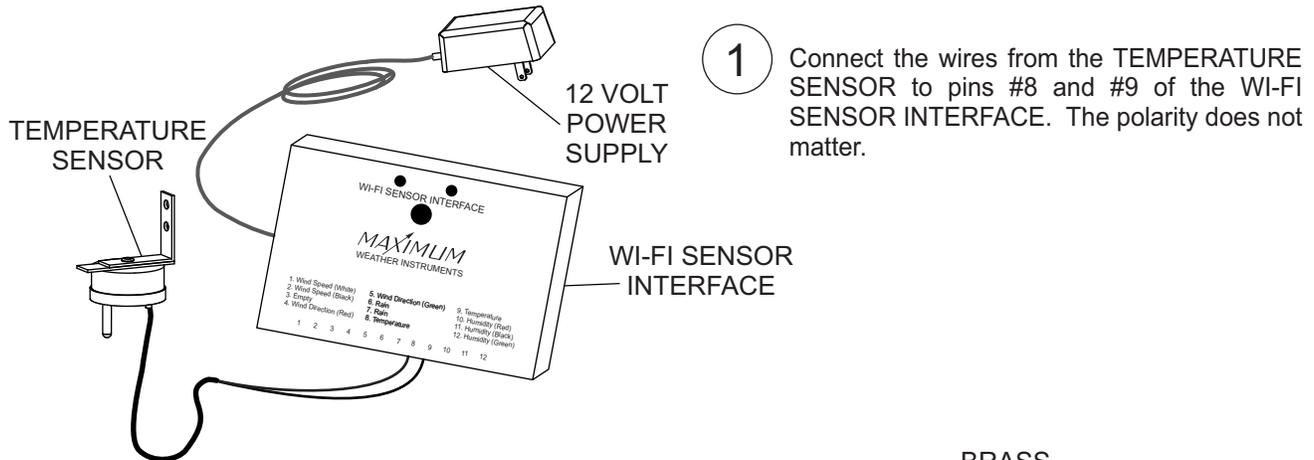
WI-FI INSTALLATION

OVERVIEW

Maximum has designed a system that captures all its exterior sensor options and transmits the weather conditions through your home or business wi-fi network. You can use this signal to display on our beautiful weather instruments and or interface with the Weather Underground website to monitor your installation remotely. If you would like to monitor your station on Weather Underground visit their website www.wunderground.com and join. Follow the screen prompts to obtain a station id and password that will be required during the Captive Portal setup.

PROPER INSTALLATION IS IMPORTANT. IF YOU NEED ASSISTANCE, CONSULT A CONTRACTOR, ELECTRICIAN OR TELEVISION ANTENNA INSTALLER (CHECK WITH LOCAL BUILDING SUPPLY, OR HARDWARE STORE FOR REFERRALS). **TO PROMOTE CONFIDENCE, PERFORM A TRIAL WIRING (BENCH TEST) BEFORE INSTALLATION.**

BENCH TEST



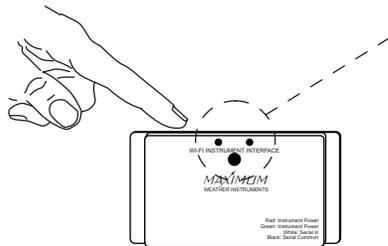
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MYSTIC

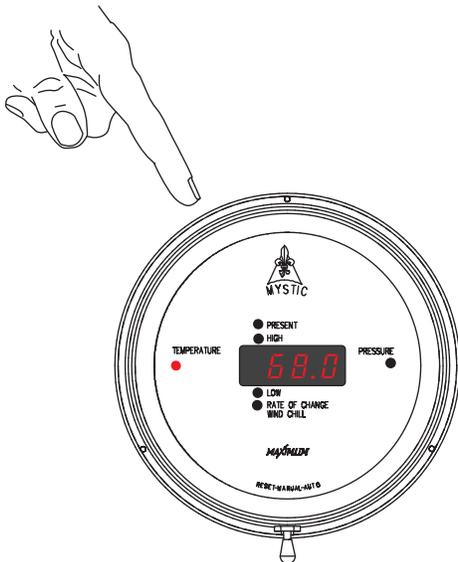
WI-FI INSTALLATION

- 3 Plug in both power supplies and you should see the boot sequence indicated on the INTERFACE.



BENCH TEST BOOT SEQUENCE

Step	Sys	App	Description
1	●	●	Power Applied
	●	●	
1	●	●	System Started
	●	●	
1	●	●	Captive Portal Launched
	●	●	
1	●	●	Captive Portal Running
	●	●	



- 4 The BRASS DIAL should indicate the current temperature at the location of the TEMPERATURE SENSOR. If not then check the wiring for correct connections.

Unplug both 12 volt power supplies and remove the wiring and cables and proceed with a permanent installation.

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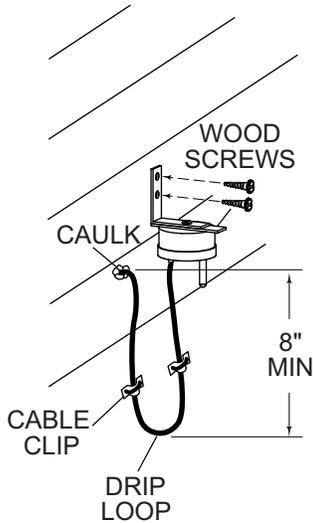
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WI-FI

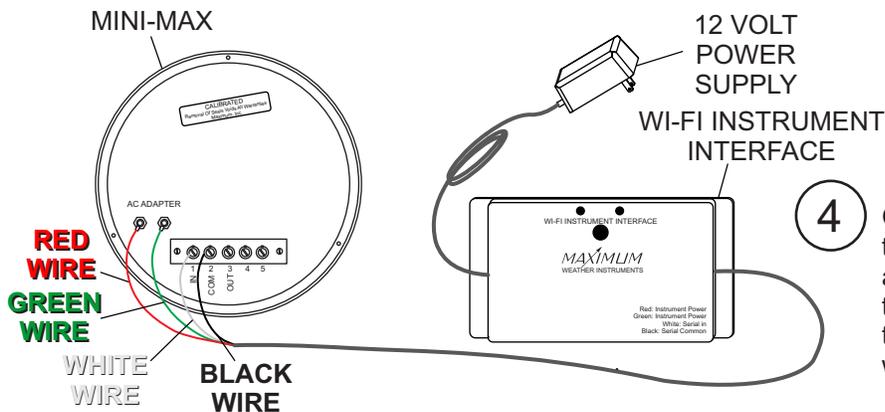
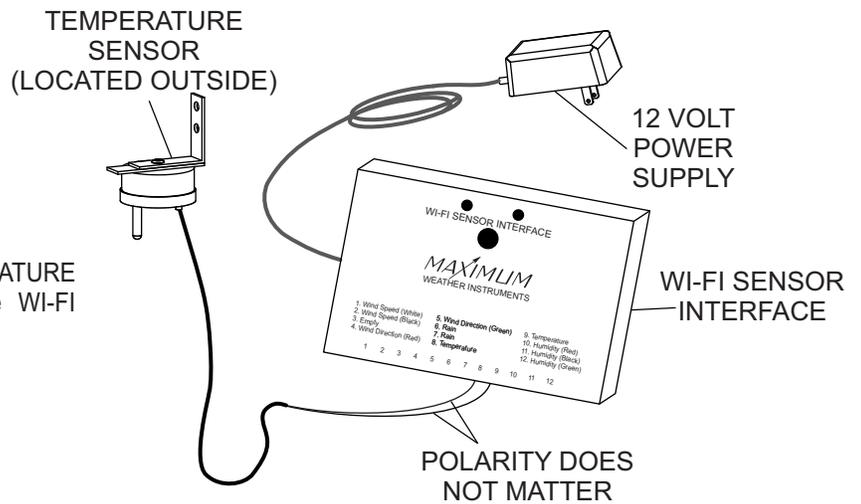
INSTALLATION

- 1 Mount the temperature sensor assembly with the two the two large wood screws. Select a location that is protected from direct sunlight and sheltered from the rain and snow.



- 2 If the WI-FI SENSOR INTERFACE is to be inside and the SENSOR itself outside, form a drip loop at least eight inches below the SENSOR and at least eight inches below the point of entry into the building. Anchor any exposed wire with insulated cable clips. Run the wire into the building to the location where the SENSOR INTERFACE will be located. Caulk any holes when done.

- 3 Connect the wires from the TEMPERATURE SENSOR to pins 8 and 9 of the WI-FI SENSOR INTERFACE.



- 4 Connect the red and green wires to the terminals labeled AC ADAPTER as shown in the illustration. Connect the **WHITE** wire to the number #1 terminal and connect the **BLACK** wire to the number #2 terminal.

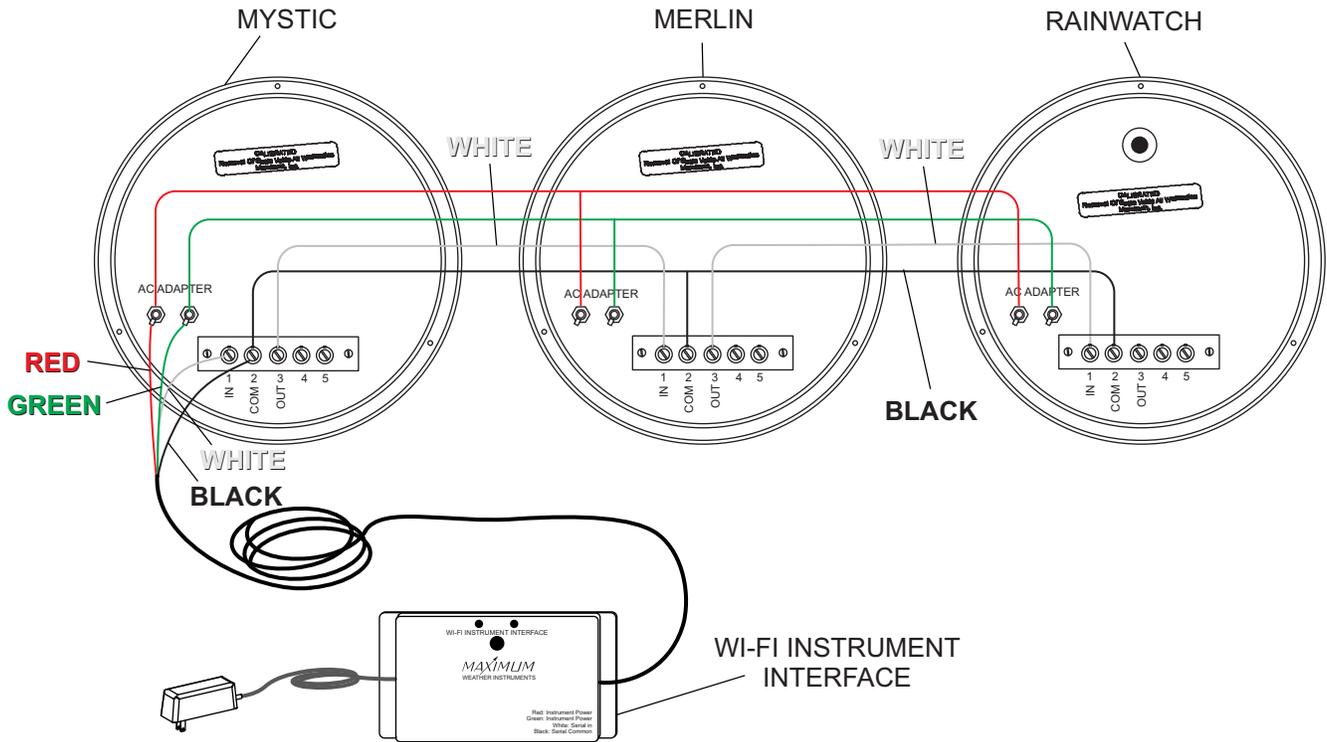
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MYSTIC

WI-FI

OPTIONAL INSTALLATION WITH RAINWATCH AND MAESTRO



MYSTIC WITH MERLIN AND RAINWATCH CONNECTIONS

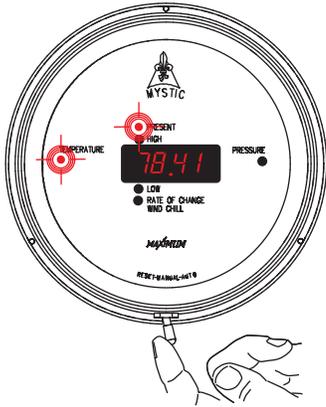
- 1 Connect the **RED** and **GREEN** wires from the INTERFACE to the power terminals on the back of the MYSTIC. The polarity does not matter. Connect other instruments from the power terminals on the back of the MYSTIC.
- 2 Connect the **WHITE** wire from the INSTRUMENT INTERFACE to TERMINAL #1 (IN) of the MYSTIC.
- 3 Connect the **BLACK** wire from the INSTRUMENT INTERFACE to TERMINAL #2 (COM) of the MYSTIC.
- 4 A. Connect the **WHITE** wire from MYSTIC #3 (OUT) to MERLIN TERMINAL #1 (IN).
B. Connect the **BLACK** wire from MYSTIC TERMINAL #2 (COM) to MERLIN TERMINAL #2 (COM).
- 5 A. Connect the **WHITE** wire from MERLIN TERMINAL #3 (OUT) to RAINWATCH TERMINAL #1 (IN).
B. Connect the **BLACK** wire from RAINWATCH TERMINAL #2 (COM) to MAESTRO TERMINAL #2 (COM).
- 6 The order of the instruments does not matter i.e. the WI-FI could just as well be wired into the RAINWATCH and the MYSTIC and MERLIN could be from the RAINWATCH

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MYSTIC

WIRELESS OPERATION

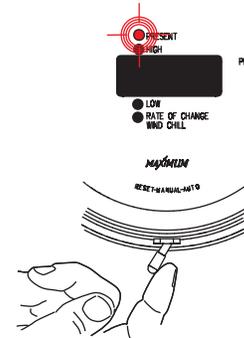


Move the toggle switch at the bottom of the case to the right (auto) and allow it to return. This manually moves the Mystic through the individual functions. The illuminated function LED's indicate which function and setting is being displayed.

Moving the toggle switch to the right (auto) and holding it for at least three seconds will put Mystic into its Auto sequencing mode. You will see each function light stay on and that particular information displayed for approximately four seconds and then move to the next function automatically.

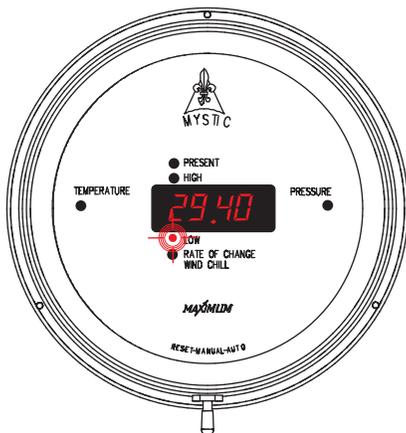
If Mystic is Auto sequencing and you wish to turn that function off - move the toggle switch to the right (auto) and release it. You can now manually step through the functions as previously mentioned.

Any Individual function's memory can be independently reset. Move the toggle switch to the right (auto) until that particular function is displayed. Then move the toggle switch to the left (reset) and hold it for six seconds. The display will quickly blank, indicating that the memory for that function has been reset.



A "FULL" reset may also be done to clear all the memories simultaneously or if an adjustment to the barometer setting is needed. Toggle through Mystic's settings until either the Present/Temperature or Present/Barometer function is displayed. Then move the toggle switch to the left (reset) and hold it for six seconds. All the memories will reset, the display will quickly blank and then enter into the barometer adjustment mode. If necessary the barometer may be reset at this time by adjusting the set screw on the backplate. Exit the barometer adjustment mode by moving the toggle switch to the right (auto) and releasing it.

NOTE: After any "FULL" reset, temperature and/or wind chill data will be displayed and stored after ten seconds. Pressure data will be displayed and stored after two minutes. However, Rate of Change/Pressure will show "HOLD" for 72 minutes following a "FULL" reset.



When the toggle switch is in the center position Mystic will display the information that is indicated by the function light. Data for all the other functions is being recorded and stored.

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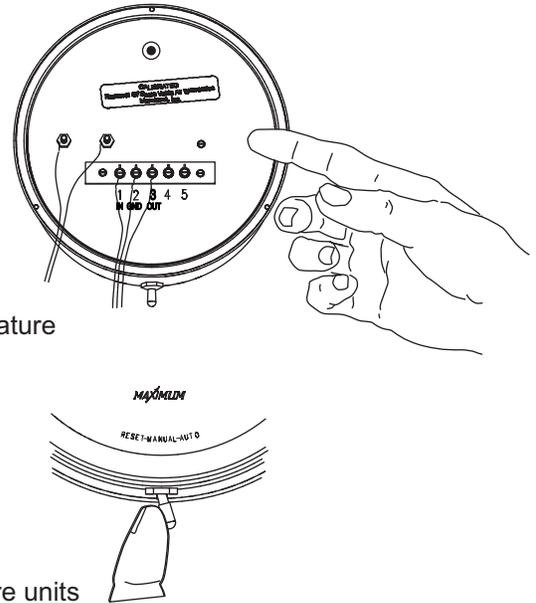
MYSTIC

WIRELESS

OPERATION (CONTINUED)

Mystic can be set to display the temperature in Fahrenheit or Celsius. The barometric pressure can be set to inches of mercury, millimeters of mercury, millibars or kilopascals. To change the units of measurement follow these steps:

1. Press the small red push button switch on the back of the indicator. The display will show "F" or "C" (F=Fahrenheit, C=Celsius).
2. Press the red push button again to advance through the available temperature units until the code you want is showing.
3. Move the toggle switch to the right (auto position) to lock in your choice.
4. The display will now show "P" and a number. The number indicates the units of measurement for pressure.
P0 = inches of mercury
P1 = millimeters of mercury
P2 = millibars
P3 = kilopascals
5. Press the red push button again to advance through the available pressure units until the code you want is showing.
6. Move the toggle switch to the right (auto position) to lock in your choice. Mystic will now perform a self-test and return to normal operation.



IMPORTANT FACTS ABOUT YOUR MYSTIC

- **Latch Up-** Power Line disturbances, improper powering up or an error in wiring can cause a blank or improper display reading. If MYSTIC is "latched up" in this way proceed as follows:
 1. Unplug the AC adapter from the 110 VAC power outlet.
 2. Wait 15 seconds.
 3. Plug the AC adapter in to the 110 VAC power outlet.
- During power outages MYSTIC's display will blank out and the instrument will not continue to accumulate data. It will preserve the previously accumulated data for up to 10 years.
- Moving the switch to "Auto" does not erase stored information.
- You do not need to time the 6 second reset time. Mystic will blank out the display to indicate that the memory has been erased.
- Set barometer by obtaining an accurate reading from a source as close to your location as possible. The closest airport, weather bureau or an individual with an accurate barometer would be a few examples.
- Rate-of-Change indicates the measure of the rise or fall of the barometric pressure observed over a one hour period. It is updated every 12 minutes.

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