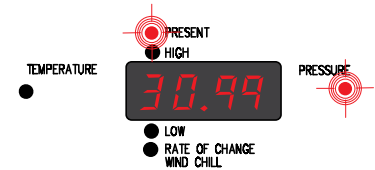
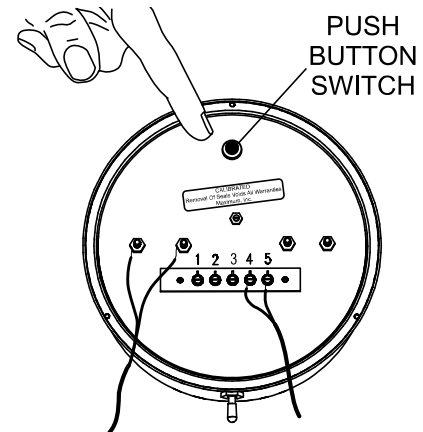


BENCH TEST & OPTIONS SET UP

Connect the 12 VOLT POWER SUPPLY and the temperature sensor to the Mystic and plug it into an outlet. The display will perform a brief self-test. All of the LED's will light for two seconds and then the display will count up going from 0000 to 1111 and on up to 9999. Next the center display will show barometric pressure with the "Present" and "Pressure" LED's lit.



Press the small push button switch on the back of the indicator to start the settings mode and follow these steps:



-

“P0” — 

A diagram showing a hand adjusting the 'MAXIMUM' limit on the 'RETURN TO ORIGINAL POSITION' scale.

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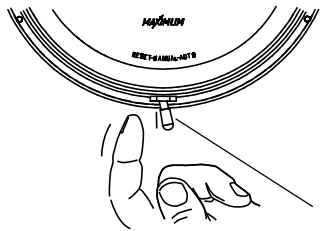
MYSTIC

BENCH TEST & OPTIONS SET UP (CONT.)

Example: b16

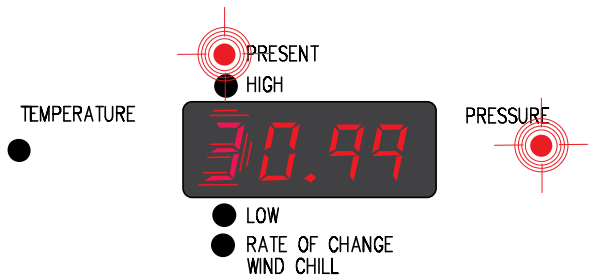


- 3 Next you can adjust the brightness of the LED display in 16 steps to better match other instruments you own. When this setting mode is entered the current brightness value is shown preceded by a "b". Press the push button switch mounted on the back of the instrument to increase the brightness level. If the current brightness is at "b16" (maximum) when you press the push button switch again it will change to "b01" (minimum). The actual display brightness also changes at the same time as the value. When you are finished adjusting the brightness press the toggle switch to the right (auto). Mystic will now show the current pressure reading with the left most digit flashing. This is setting mode where you can adjust the barometer reading for your altitude.

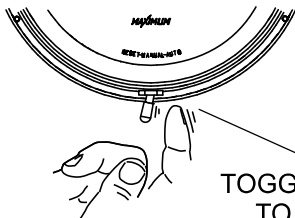


TOGGLE SWITCH

- 4 When you are finished adjusting the brightness press the toggle switch to the right (auto). Mystic will now show the current pressure reading with the left most digit flashing. This is setting mode where you can adjust the barometer reading for your altitude.



- 5 Obtain the current barometric pressure for your area by calling a near-by airport or an individual who has a properly set barometer.



TOGGLE MODE SWITCH
TO INCREASE THE
NUMBER BY ONE

- 6 To set the blinking display digit, operate the mode switch to the left (reset) side and let it return to the middle. The display number will advance by one. Continue to toggle the mode switch left, advancing to the number desired.

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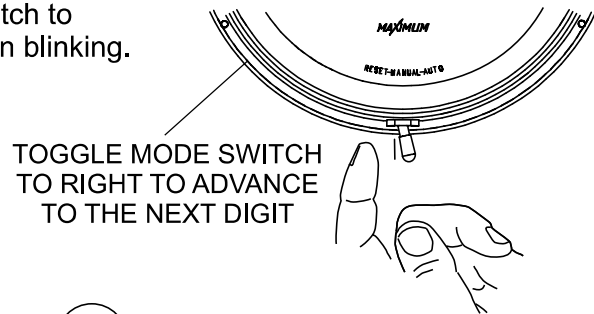
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MYSTIC

BENCH TEST & OPTIONS SET UP CONT.

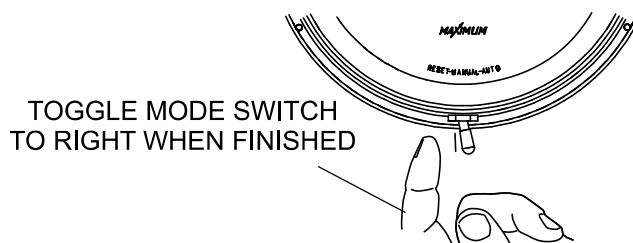
7

To advance to the next digit, toggle the Mode switch to the right (SELECT). The next digit to be set will begin blinking. Toggle the mode switch to the left to advance to the desired number.



8

Repeat steps 8 and 9 for the third and fourth digit.



9

When complete, press the switch to the right, (SELECT) and the final digit will stop flashing.

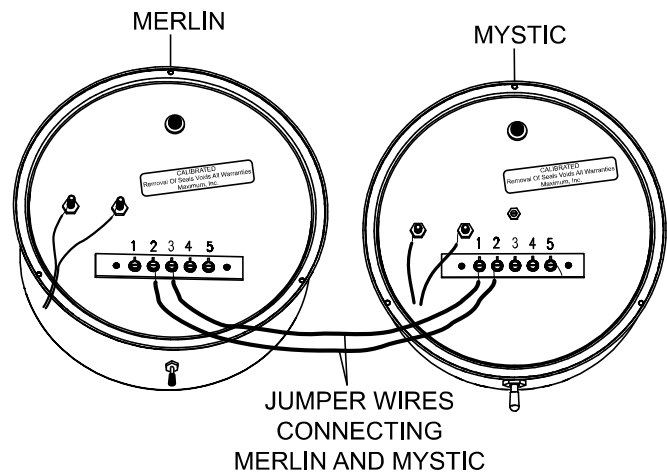
To change any of the values, simply move through the digits again.

to the right, (SELECT) and

If done setting the value, push the mode switch to the left (RESET). Mystic will reboot and resume normal mode.

10

If you own a Merlin and would like to monitor Wind Chill use jumper wires to connect the Merlin terminal 3 (out) to Mystic terminal 1 (in). Then connect Merlin terminal 2 (COM) to Mystic terminal 2 (COM).



11

Unplug the 12 VOLT POWER SUPPLY and disconnect the wires. Mystic is now ready for the final installation. The adjustments that you have made will remain intact.

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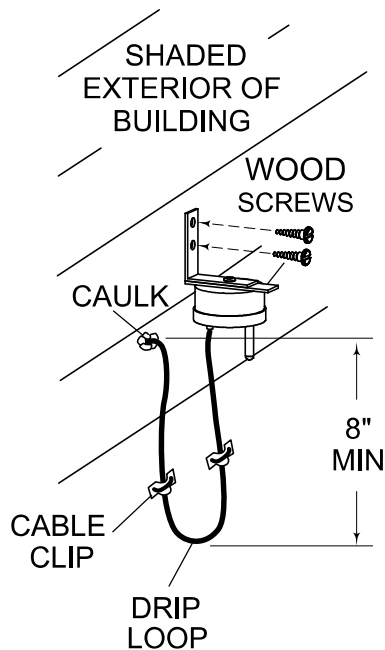
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MYSTIC

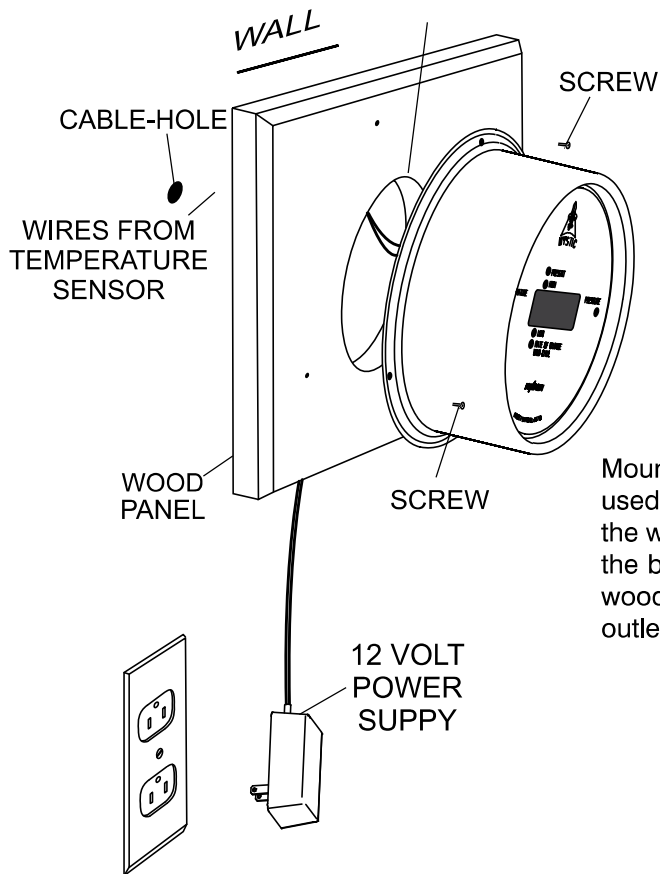
FINISH THE INSTALLATION

1

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



2



Mount the brass instrument directly over the cable hole used to route the power and sensor wires to avoid crimping the wire under the lip of the case. We recommend mounting the brass instrument on one of our pre-drilled and centered wood panels. Plug the AC adapter into a 110 VAC power outlet.

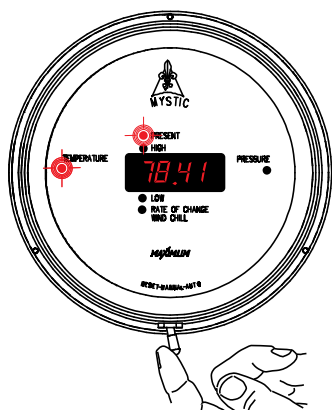
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MYSTIC

OPERATION

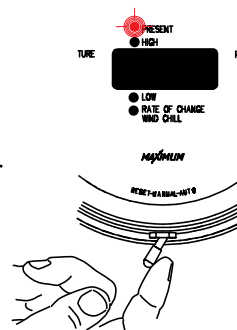


Move the toggle switch at the bottom of the case to the right (auto) and allow it to return. This manually moves the Mystic through the individual functions. The illuminated function LED's indicate which function and setting is being displayed.

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.

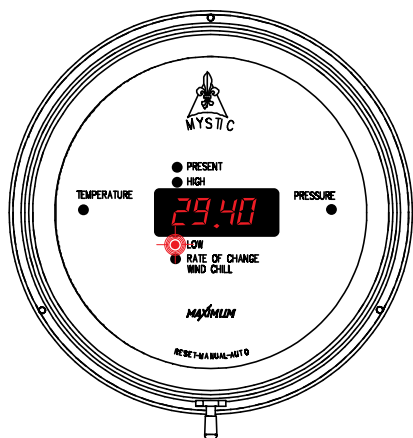
If Mystic is Auto sequencing and you wish to turn that function off - move the toggle switch to the right (auto) and release it. You can now manually step through the functions as previously mentioned.

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 memories simultaneously or if an adjustment to the barometer setting is needed. Toggle through Mystics settings until the "Present" function is displayed. Then move the toggle switch to the left (reset) and hold it for six seconds. The display will self-test and 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. All the other functions data are being recorded and stored.

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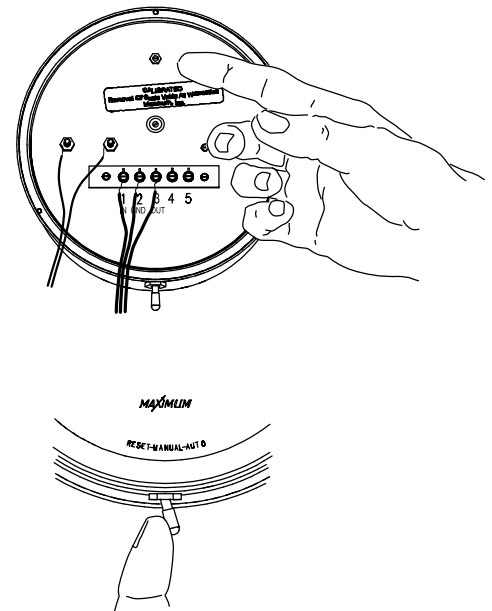
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MYSTIC

OPERATION (CONT.)

Set the Mystic to display the temperature in Fahrenheit or Celsius. 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 push button switch on the back of the indicator. The display will show "F" or "C"
2. Press the push button again to advance through the available units.
3. When you have the code showing for the units of measurement you want. Press the toggle switch on the side of the case to the right (auto position). The display will now show "UN" and a number. The number indicates the units of measurement for pressure.
UN0 = inches of mercury
UN1 = millimeters of mercury
UN2 = millibars
UN3 = kilopascals
4. Press the push button again to advance through the available units.
5. When you have the code showing for the units of measurement you want, press the toggle switch on the side of the case to the right (auto position). Mystic will then 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 outlet.
 2. Wait 15 seconds.
 3. Plug the AC adapter in to the 110 VAC power outlet.
- During long 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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