

NIMBUS PL-2 Temperature Display Unit

The National Weather Service has provided a replacement display unit for your station's temperature equipment. The new unit, identified by the **Nimbus Digital Thermometer** markings on the faceplate, is more accurate, uses a standard 9V alkaline battery, has built in lightning protection, and has several improvements which will assist you in collecting better temperature information.



THE NORMAL OPERATION of the new display is similar to the previous models. The display shows the current temperature, to the 10th of a degree. To show the maximum and minimum temperature, press and hold the **Recall** button. The display will first show the maximum reading and then show the minimum reading, and will continue to toggle between them for as long as you hold the recall button. To reset the stored max and min readings, press and hold the **Clear** button until the display shows **E2E.2**. This will take up to 6 seconds. This action will reset both the maximum and minimum to the value shown as the current temperature. The **Memory On/Off** switch should be in the **OFF** position at all times. Remember to report temperatures only in whole degrees.

IN THE EVENT OF A POWER FAILURE, the Nimbus automatically operates off of the battery, turns off the display backlighting to conserve power and continues to take it's measurements as if power had never failed. The Nimbus can operate for more than 2 weeks on a fresh battery. There is no need for you to do anything special, simply report your temperatures (rounded to whole degrees) the same as you have always done.

When the battery has little life left, the Nimbus will blink the letter **L** on the left side of the display, indicating that there are about 4 days of operation left. When the battery gets so low that the measurements will be affected, the Nimbus will turn itself off. All data is lost from memory when the battery power is completely depleted and electrical power is not available. When electrical power is restored, the Nimbus resets itself and full operation is restored. If the low battery indicator (L) is blinking when electrical power is available, the battery is either missing or needs replacing. If electrical power is available, removing/replacing the battery will not affect the measurements.

If you have any questions about this new display please feel free to contact your local National Weather Office.