

How to find and change node batteries

If you get a *Node Battery Critical* warning in Davis WeatherLink, you will need to change the D-cell batteries in your Davis node. It is best to address this as soon as possible, as you only have about a week from the first warning until the battery completely runs out.

Nodes are the boxes that connect to your soil/leaf sensors, feeding data through your main weather station to Davis WeatherLink. They may be located near your primary Davis Weather Station and gateway or distributed throughout the field.

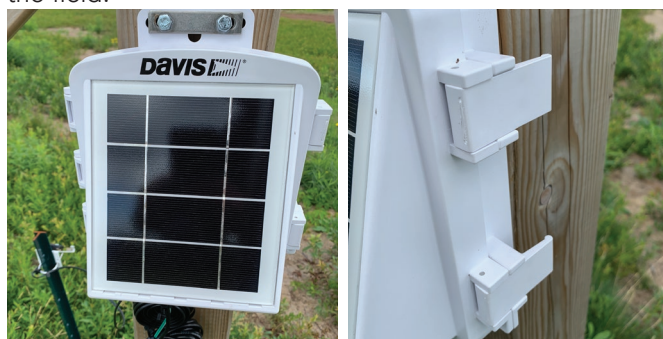


Figure 1: Davis node, with latches on right side

To change the battery, follow these steps:

1. Pick up four fresh D-cell batteries
2. Locate the node with the low battery warning. Open the door by unlatching the two clasps on the right-hand side (Figure 1).
3. The D-cell batteries are on the back of the node door (Figure 2). Remove the battery cover by pressing up the two plastic tabs near the bottom of the cover.
4. Remove the four old D-cell batteries and dispose of them safely. Insert your new batteries, replace the battery cover, and close the node door with the two clasps on the righthand side.



Figure 2: Battery cover inside node door.

Your node also has a solar panel that should be charging a lithium battery, found just above the compartment with the D-cell batteries. The D-cell batteries should only be needed during the night. They should last for 18 – 24 months (about 2 years). To ensure you get the most life out of your batteries, keep the solar panel clean and free of obstructions that may block the light. If you find you need to replace your batteries more often than suggested, confirm that the solar panel is clean and in a sunny location. Also, ensure that your solar cable is correctly connected. (Figure 3)



Figure 3: Solar cable

Note: The battery warning in WeatherLink may not reset until midnight.