

SmartBlinky

Installation Instructions (Model: ACC-SWM-S)

HEALTH AND SAFETY PRECAUTIONS

Ensure the battery is disconnected from the charger and cells are not gassing before proceeding. Batteries contain sulfuric acid; always wear approved protective clothing (gloves, goggles and apron).



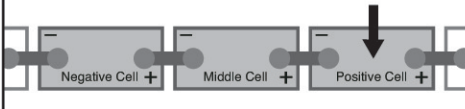
This pack contains

- 1x SmartBlinky battery watering monitor
- 1x Grommet
- 2x Stainless steel screws
- 3x Cable ties

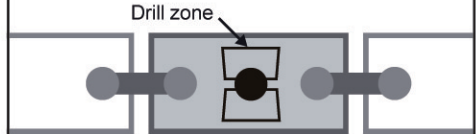
Tools required

- Drill
- Phillips screwdriver bit
- 1/2" (12mm) drill bit (ACC-041)
- Wire cutters
- Potting Epoxy (ACC-044)

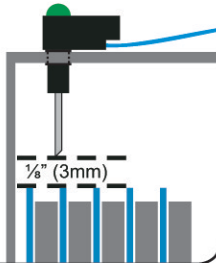
- 1** The Smart Blinky requires any 3 cells connected in series. Always install the probe into the POSITIVE cell.



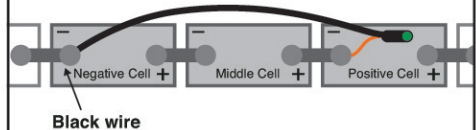
- 2** Drill a hole in the lid of the cell and ensure that the area under the cell lid is clear to the moss shield before drilling. Drill hole in the drill zone. Install grommet into the drilled hole.



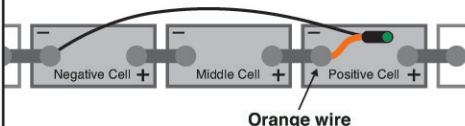
- 3** Trim the probe using wire cutters so the tip will be 1/8" (3mm) above the moss shield when fully inserted into the cell.



- 4** Starting with the cell that the probe is installed into, count **3 intercell connectors** toward the main NEGATIVE terminal and attach the **BLACK wire** onto that connector. Use the provided screw to secure the wire ring to terminal then add epoxy.



- 5** Starting with the cell that the probe is installed into, count **1 intercell connector** towards the main NEGATIVE terminal and attach the **ORANGE wire** onto that connector. Use the provided screw to secure the wire ring to terminal then add epoxy.



Troubleshooting

If the Battery Watering Monitor does not start blinking green after watering:

1. Check the Monitor connection.
2. Make sure that the battery is properly charged.
3. Wait 15 minutes if you have just added large amounts of water to a dry battery. This will allow the electrolyte and water to mix.

Operating Instructions

The color of the indicator LED provides the status of the electrolyte level in the battery as follows:

Steady Green Flash: Electrolyte level is good. No additional water is needed.

Rapid Red Flash: The battery requires water.

When the electrolyte level drops below the tip of the probe, the indicator LED will flash green for a preprogrammed time interval. This interval is to eliminate false and inconsistent indications and to maximize watering intervals. At the end of this interval the indicator LED will flash red once followed by seven green flashes. If the level is still low after the indicator completes this cycle, the indicator LED will change to a rapid red flash to indicate that water addition is needed.

When the battery is filled with water, the indicator LED will change from a rapid red flash to a rapid green flash to indicate that the electrolyte is now covering the probe tip. Within 15 seconds, the flashing rate of the LED will slow to a steady green flash to indicate that the electrolyte level has stabilized above the probe tip.