SYSTEM INSTALLATION
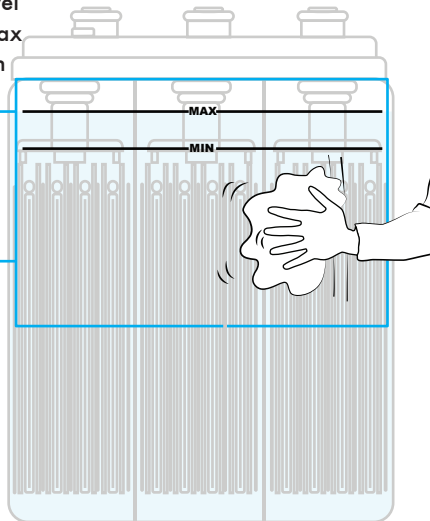
1   PREPARE THE BATTERY

1) Ensure electrolyte level in the battery is at max fill line or top off with deionized water
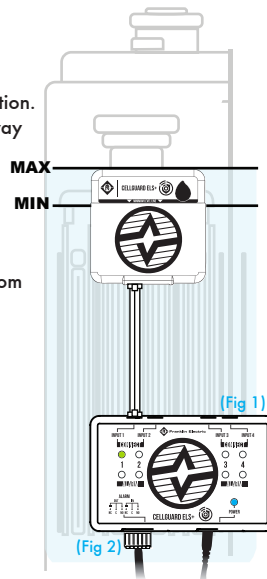
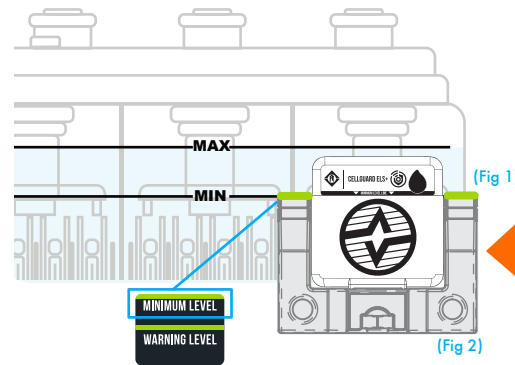2) Clean the surface of the battery with isopropyl alcohol

ISOPROPYL ALCOHOL

2A   STANDARD INSTALL - ALARMS AT MINIMUM FILL LINE

MAX
MIN

(Fig 1)

MINIMUM LEVEL
WARNING LEVEL

(Fig 2)

1) Peel the adhesive liner off of the back of the sensor (Fig 1), place aside within reach, bottom (adhesive side) facing up.

2) Using the Alignment bracket (Fig 2), place the Minimum Level line over the Minimum Fill Line on the battery. Utilize the built-in level to be sure the bracket is straight.

3) Pick up the sensor with your free hand and lightly place it in the bracket. When confirmed straight, apply pressure to the sensor, hold for five seconds to allow the adhesive to stick cleanly to the battery casing. Repeat per sensor.

CHOOSE AN INSTALLATION

2B   EARLY WARNING INSTALL - ALARMS ABOVE MINIMUM FILL LINE

MAX
MIN

(Fig 1)

MINIMUM LEVEL
WARNING LEVEL

(Fig 2)

1) Peel the adhesive liner off of the back of the sensor (Fig 1), place aside within reach, bottom (adhesive side) facing up.

2) Using the Alignment bracket (Fig 2), place the Warning Level line over the Minimum Fill Line on the battery. Utilize the built-in level to be sure the bracket is straight.

3) Pick up the sensor with your free hand and lightly place it in the bracket. When confirmed straight, apply pressure to the sensor, hold for five seconds to allow the adhesive to stick cleanly to the battery casing. Repeat per sensor.

3   INSTALLING HUB & FIRST SENSOR

1) Mount the Hub (Fig 1) in a convenient location. Note: The Hub could be mounted on or away from the battery.

2) Plug the power adapter into the wall and the Hub.

3) Connect the green terminal block (Fig 2) from the Hub to the Alarm System / SCADA.

4) Plug the first sensor into the Hub with the supplied cable.

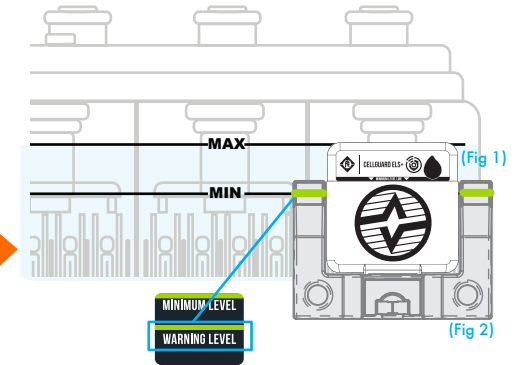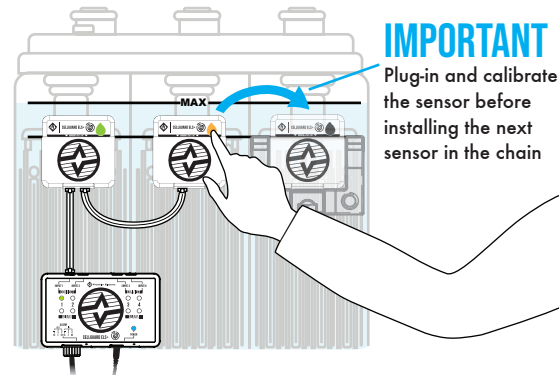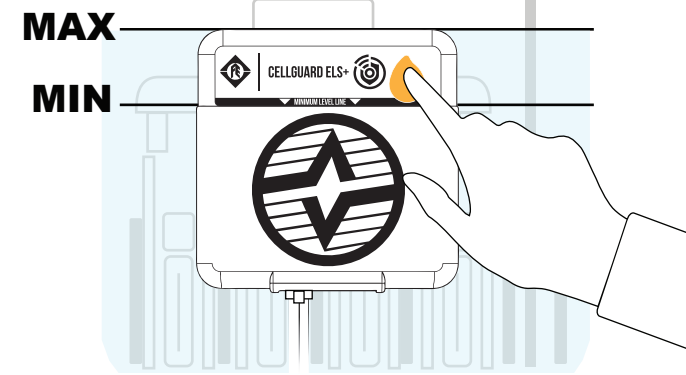5) For an example diagram of a multi-string installation, consult the User Manual.

MAX
MIN

(Fig 1)

(Fig 2)

4   CALIBRATION & CONNECTING MORE SENSORS

MAX

IMPORTANT
Plug-in and calibrate the sensor before installing the next sensor in the chain

1) After plugging in the first Sensor, press and hold the droplet button 🌢 When first pressed, the droplet button will show solid green 🟢 Continue to hold the droplet button until it turns orange 🟠 (about 4 seconds). Then release. The droplet will stay solid orange 🟠 for 10 seconds. When completed successfully, the droplet button flashes green 🔆

2) When complete, install the next sensor utilizing Steps 2 (A or B) and calibrate per Step 4 for each individual sensor until you reach the end of the string.

5   CLOSING ALARM LOOP (FINAL SENSOR)

MAX
MIN

1) After calibrating the final sensor in the string, again press and hold the droplet button for 10 seconds.

2) When the droplet flashes orange 🔆 release the button. The sensor will flash orange 🔆 for 20 seconds while it closes the alarm loop.

4) When completed successfully, it will fast blink green 🔆 6 times.

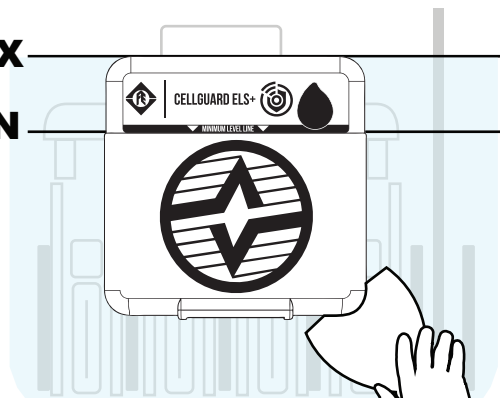5) After 6 fast blinks it will slow flash green 🔆 and your string is setup and complete.

REMOVING THE SENSOR

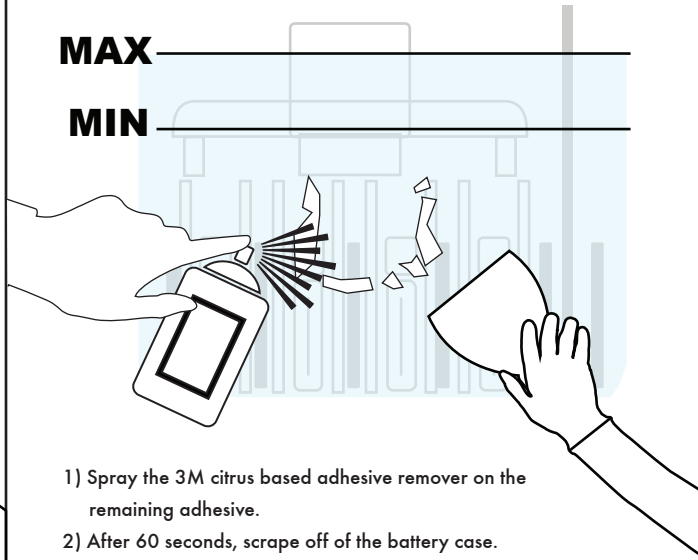## 1   REMOVING THE SENSOR

MAX
MIN

1) Using a plastic scraper, peel the sensor off of the battery case.
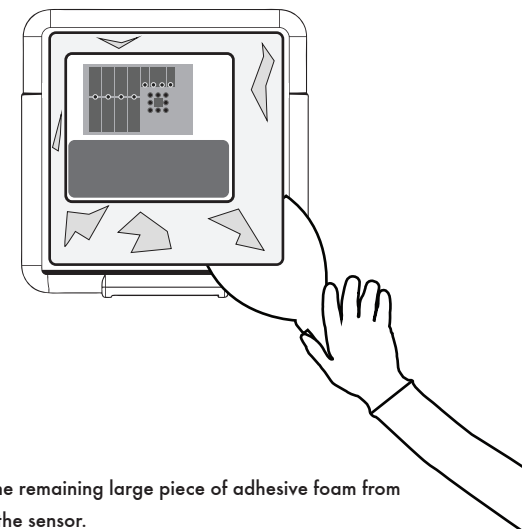
2   REMOVING THE ADHESIVE FROM THE BATTERY

MAX
MIN

1) Spray the 3M citrus based adhesive remover on the remaining adhesive.
2) After 60 seconds, scrape off of the battery case.
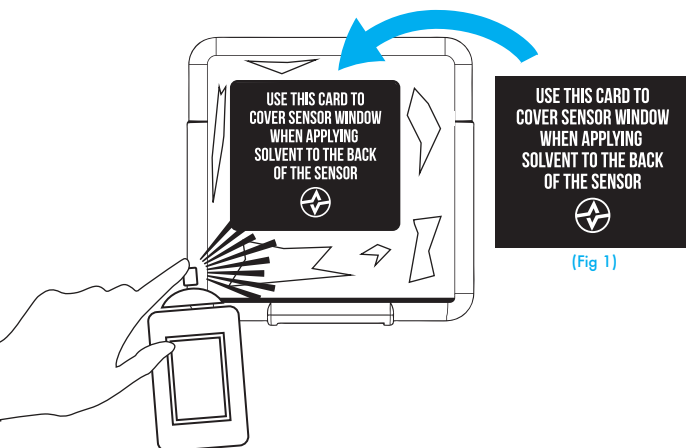
3   REMOVING THE ADHESIVE FROM THE SENSOR

1) Scrape off the remaining large piece of adhesive foam from the back of the sensor.
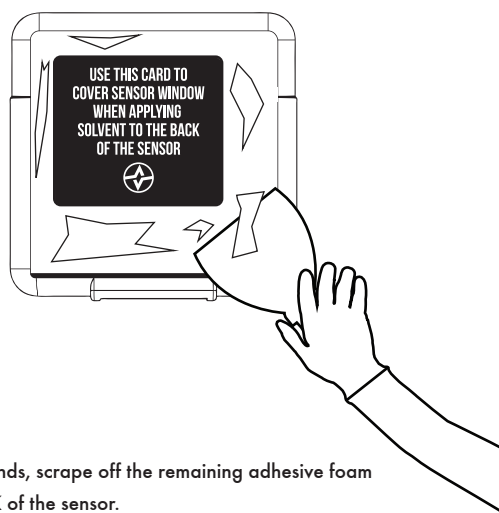
4   PREPARING TO CLEAN THE ADHESIVE AREA

USE THIS CARD TO COVER SENSOR WINDOW WHEN APPLYING SOLVENT TO THE BACK OF THE SENSOR

USE THIS CARD TO COVER SENSOR WINDOW WHEN APPLYING SOLVENT TO THE BACK OF THE SENSOR

(Fig 1)

1) **IMPORTANT** Cover the clear window on the back of the sensor with the provided window card (Fig 1)
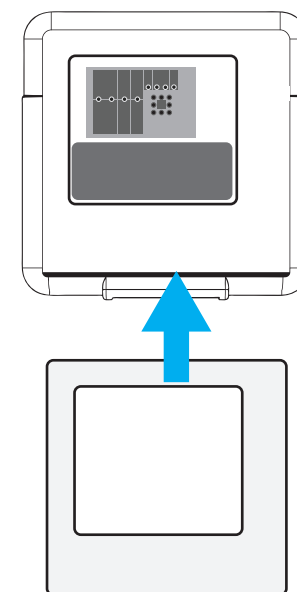2) Spray the 3M citrus based adhesive remover on the remaining adhesive.

5   CLEANING THE ADHESIVE AREA

USE THIS CARD TO COVER SENSOR WINDOW WHEN APPLYING SOLVENT TO THE BACK OF THE SENSOR

1) After 60 seconds, scrape off the remaining adhesive foam from the bacK of the sensor.
2) Use a soft cloth to wipe away any left over adhesive remover.

6   INSTALLING THE NEW FOAM ADHESIVE PAD

1) Line Up and place new the new foam adhesive pad to the back of the sensor.