

Current Sensor for the Battery Manager

One *Current Sensor* for the *Battery Manager* is recommended per string of batteries. A maximum of two *Current Sensors* can be connected per *Battery Manager main module AP9922*. Depending on the system configuration, there are two *Current Sensor* options available:

- **AP9920CS**: $I \leq 1000 \text{ A}$
- **AP9920CS2000**: $1000 \text{ A} < I \leq 2000 \text{ A}$

NOTICE

RISK OF EQUIPMENT DAMAGE

The *Battery Manager* must be powered off before connecting the *Current Sensor* or before performing any battery maintenance.

Failure to follow these instructions can result in equipment damage.

⚠ DANGER

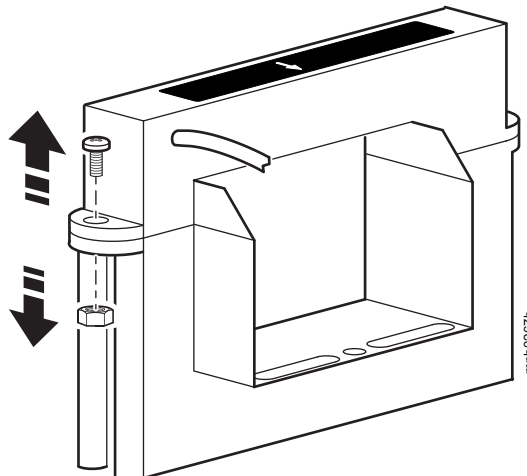
HAZARD OF ELECTRIC SHOCK

- Batteries are energized even when AC power has been disconnected.
- The *Battery Manager* must be powered off before connecting the *Current Sensor* or before performing any battery maintenance.
- Installation of *Current Sensor* must only be performed by qualified personnel knowledgeable of batteries and the required precautions. Keep unqualified personnel away from batteries.

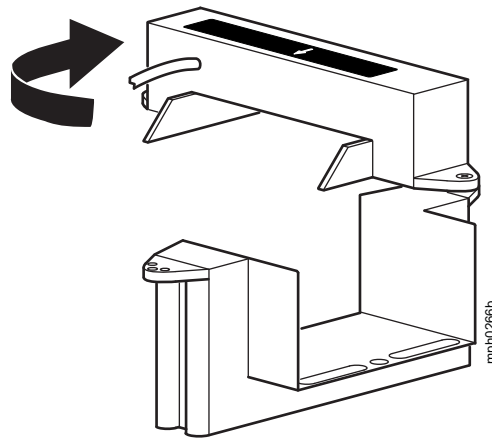
Failure to follow these instructions will result in death or serious injury.

Installation

1. Remove the screw and nut from either side of the *Current Sensor* and loosen the screw on the other side.

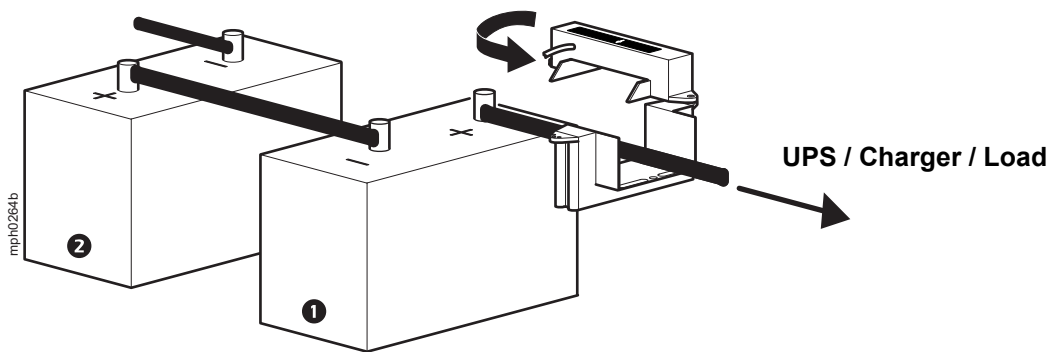


2. Separate the top and bottom sections of the sensor by twisting the sections apart.



NOTE: Make sure the arrow on the Current Sensor is pointing away from the *positive* battery terminal, connected to the lead on which the sensor is placed.

3. Place the separated parts of the sensor around the main output battery lead on any battery. Secure the sensor in place using the screw and nut removed in *Step 1*. Tighten the remaining screw.



4. Plug the current sensor connector into the connector port called **Current Probes - Probe A** on the rear of the Battery Manager Main module AP9922.

NOTE: Expansion module AP9922S cannot be connected to a current sensor. It does not have a **Current Probes** port on the rear panel.

If a second string of batteries is connected to the Battery Manager AP9922 Main module, a second current sensor must be installed on that string of batteries and must be connected to the port labeled **Current Probes - Probe B** on the rear of the module.

Customer support and warranty information is available at www.schneider-electric.com.

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