	TECHNICAL ADVISORY	
⬢ **SENS** *Our energy means business*	**Advisory Number:**	2019-01
	Date of Issue:	6/10/2019
	Tech Advisory Revision:	C
	Type:	*** NOTIFICATION ***

Products: MicroGenius® 2 battery chargers <u>with keypads only – see images below</u> (M*-22-****-F), MicroGenius S2 and S4 battery chargers (S*-***-********), and MicroCab™ outdoor systems (model numbers starting with "MC").

Scope: Products listed above with accessory module code versions 2.0.0 and 2.1.0 shipped between February 2018 and January 2019 (see accompanying serial number listing). This advisory only applies to units equipped with keypads as shown in the following image:

MicroGenius 2 with keypad - Update required	MicroGenius 2 with display - Update not required	MicroGenius 2 with LEDs only - Not applicable

Topic: New firmware release with internal error detection and automatic correction.

Description: SENS has detected that under exceptional conditions it may be possible for code associated with the keypad to create an invalid voltage, alarm or current limit setting resulting in improper charger operation.

To eliminate the possibility of this happening, SENS has implemented comprehensive error detection and correction to the internal firmware. This firmware (version 3.3.0 or later) is now available for installation in the field.

Recommended Action: SENS recommends that target units be upgraded to the current firmware at the time of the next scheduled maintenance visit to the installation site, or for units not yet installed, at the time of installation.

Upgrade Procedure: The *SENS Setup Utility* (version 2.3.0 or later) for Windows PC's is required to perform a firmware upgrade. The new firmware is automatically included with the SENS Setup Utility. Installation also requires a USB connection. For chargers and MicroCabs not equipped with a native USB micro connector, SENS will supply a programming adapter at no cost. If

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you are unsure if you need the adapter, contact SENS Customer Service.

Service personnel may download the new firmware and setup utility from the Download Center on the SENS website. Contact SENS Customer Service to obtain a no-cost programming cable.

Serial Numbers: The following table lists serial numbers of affected units.

Product	Serial Numbers
MicroGenius 2 M*-22-****-F	439165-464951
MicroGenius S2 S2-***-********	439665-464489
MicroGenius S4 S4-***-********	436364-462961, 463566, and 464579
MicroCab MC*	439289-464222

Contact: Contact SENS Customer Service at 800-742-2326, ext. 137 if a programming adapter or further assistance is required.