



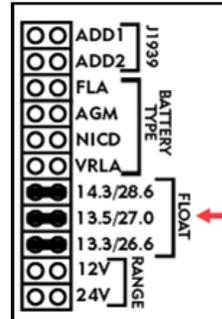
TECHNICAL ADVISORY

Advisory Number: 2017-01
Date of Issue: 10/6/2017
Tech Advisory Revision: B
Type: *** NOTIFICATION ***

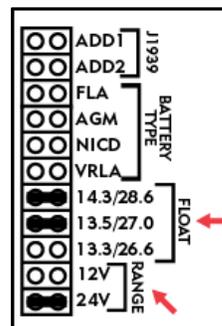
Product Family: MicroGenius 2 chargers with power module code versions 1.5.0 and 1.6.0 (affected serial numbers are listed at the end of this bulletin).

Topic: Customer Notification: SENS has corrected a software bug related to changing the voltage range of the charger while in factory jumper mode.

Description: The MicroGenius 2 charger is shipped from the factory with three jumpers in the three FLOAT positions on the main circuit board. Jumpers in the three FLOAT positions indicate the charger is operating using settings configured at the factory per the specific customer order (factory mode). These settings are displayed on the inside cover of the charger.



The voltage range (12-volt or 24-volt battery) of the charger may be changed without changing factory settings by moving any one of the three FLOAT jumpers to the appropriate RANGE position as shown below. In this configuration the charging algorithm, output settings and alarm relay assignments remain as originally configured at the factory but all setpoints are doubled when changing from a 12V setting to a 24V setting or halved when changing from a 24V setting to a 12V setting.



This voltage range adjustment does not work on MicroGenius 2 chargers loaded with main power board code releases 1.5.0 and 1.6.0 (chargers with earlier or later releases are not affected). Instead of the charger output voltage being doubled or halved, the output voltage will always remain at the factory set point and the charger may display an error if connected to a battery.

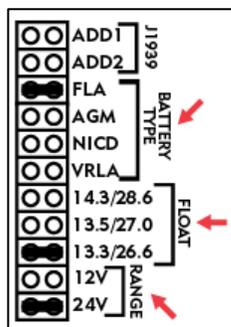


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Recommended Action: If the charger you received was configured at the factory with the output settings required for the end application, no action is necessary. Leave three jumpers in the three FLOAT positions. The factory mode voltage range adjustment does not impact the function of the charger itself in any way, it only affects how a user changes the output voltage range.

If the charger you received was NOT configured at the factory with the output settings required for the end application, the charger output may be reconfigured using the standard jumper settings instead of the factory settings. To use the standard jumper settings, all jumpers must be moved into the standard jumper configuration - one jumper each in BATTERY TYPE, FLOAT and RANGE positions as shown in the figure below.



Alternative Actions: If you do not wish to use the standard jumper configuration to configure your charger, you have two options.

Option 1 – If you have not yet installed the charger, you may return the charger to SENS for a firmware update.

Option 2 – You may load updated firmware from SENS website using a programming cable, available from SENS. To complete this task you will need a Windows PC with an active USB port onto which the SENS software update file is loaded.

SENS product models potentially affected:	M*-22-****-A, M*-22-****-D, and M*-22-****-E
Serial range of SENS chargers:	418028 - 431572
Shipment date range for SENS chargers:	July 28, 2017 – September 27, 2017