

Title: Possible exposure of user password and pin code	Model: ECLIPSE
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This customer service advisory applies to all ECLIPSE units running on Type-A firmware versions only when using your web browser to access the ECLIPSE graphical user interface (GUI). This document explains the security changes to avoid the exposure of the ECLIPSE user pin code and password.

Problem Description:

All the ECLIPSE settings are password/pin code protected and it is not possible to modify any ECLIPSE settings without a valid pin code or password. It has been verified that the password and pin code remain visible in the raw web page source and discoverable only through the web-based GUI connection and not on any other ECLIPSE serial interface.

Problem Solution:

Security changes have been made to ECLIPSE main firmware to avoid exposing user pin code and password. New firmware releases hide pin code and password values held in the raw web page source sent to a web browser.

Once the latest firmware is patched, the pin code and password can no longer be changed by a CSV setting file transfer. With this latest version of ECLIPSE firmware, the Password can only be changed via serial interface (RS232) or Web GUI. The PIN code can be changed via the Front Panel, serial interface (RS232) or Web GUI interface. The current password or PIN code is required to make this modification.

Firmware Fix:

The following main processor firmware releases have been modified to protect user PIN and passwords.

The FRAM releases are:

- **D20130114**
This release is recommended for all ECLIPSE units running on B20130114 and C20130114
- **D20130717**

- This release is recommended for all ECLIPSE units running on B20130717 and C20130717
- **E20130808**
This release is recommended for all ECLIPSE units running on B20130808, C20130808 and D20130808
 - **E20131202**
This release is recommended for all ECLIPSE units running on B20131202, C20131202 and D20131202
 - **E20140321**
This release is recommended for all ECLIPSE units running on B20140321, C20140321 and D20140321
 - **F20141230**
This release is recommended for all ECLIPSE units running on C20141230, D20141230 and E20141230
 - **D20161130**
This release is recommended for all ECLIPSE units running on B20161130 and C20161130.

The EEPROM releases are:

- **20130114B**
This release is recommended for all ECLIPSE units running on 20130114 and 20130114A.
- **20130717B**
This release is recommended for all ECLIPSE units running on 20130717 and 20130717A.
- **20130808C**
This release is recommended for all ECLIPSE units running on 20130808, 20130808A and 20130808B
- **20131202C**
This release is recommended for all ECLIPSE units running on 20131202, 20131202A and 20131202B
- **20140321C**
This release is recommended for all ECLIPSE units running on 20140321, 20140321A and 20140321B.
- **20141230D**
This release is recommended for all ECLIPSE units running on 20141230, 20141230A, 20141230B and 20141230C

Please contact your local application engineer or our factory directly should you require the main processor patch file and instructions. The latest versions ECLIPSE Firmware will be available in our website. In addition all future built ECLIPSE units available with latest version of main processor firmware.

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