D-Series and HLf-Series Syringe Pump Controller Versions
How to Distinguish Between Versions

Overview

The D-Series and HLf-Series Syringe Pump Controller designs have undergone several updates. While old or new controllers work with ISCO pumps, some operating and maintenance procedures for the current controller are different from those for the legacy controller. To ensure that you are following the correct procedures, you must know which controller you are using.

Where procedural differences occur, the Syringe Pump Technical Bulletins available on our web site distinguish the two types as the "legacy" and "current" controller versions.

Pump systems using the legacy controller require a different user manual than pump systems using the current controller.

This bulletin explains how to tell the two controllers apart, and should always be referenced before servicing or operation if the controller version is in question.

Differences in Appearance

Systems using the updated pump controller are identified by the lighted display and the blue Dispense (DISP) button in the fourth row on the control panel.
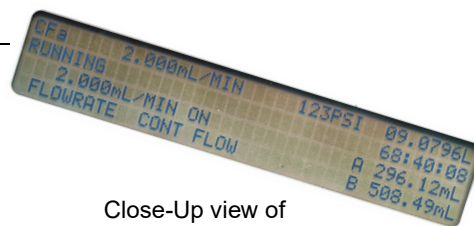

D-Series Controllers

Legacy Pump Controller

Close-Up view of legacy display

Lighted display
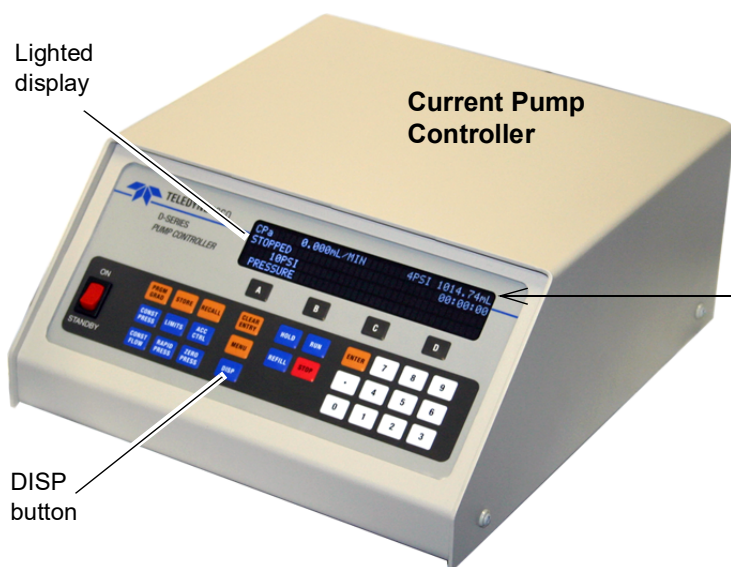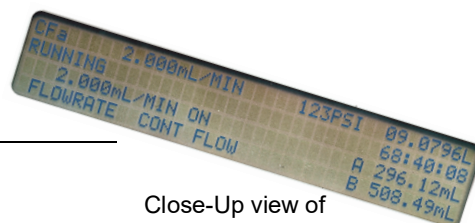
Current Pump Controller

DISP button

Close-Up view of current display

Legacy Pump HLf Controller

HLf-Series Controllers

Close-Up view of legacy display

Lighted display

Current Pump HLf Controller

DISP button

Close-Up view of current display
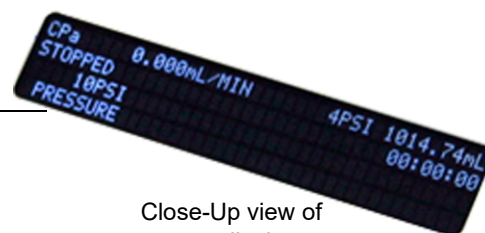
Date of Sale

Be sure to use the above indicators to identify your controller.

Any D-Series controller that was purchased **before November 2011** is a legacy controller.

Any HLf-Series controller that was purchased **before October 2013** is a legacy controller.

Latest Firmware Features

For systems using the current controller, firmware versions **1.09 (D-Series) or 2.00.0003 (HLf-Series) and later** give your pump system additional capabilities.

Quad Pump Systems

With this firmware and later, the current controller is capable of operating four connected pumps independently or in pairs of two, connected with air valve packages.

Refer to Technical Bulletin TB26 D-Series Quad Dual Pump Systems for Continuous Flow and Independent Operation for complete information about setup and operation.

Modbus RTU Communication

With this firmware and later, the current controller is capable of Modbus communication using RTU protocol over an RS-485 connection.

Refer to Technical Bulletin TB27 Modbus RTU with Teledyne ISCO Syringe Pumps for complete information about Modbus RTU communication.

Finding Your Software Version

To check your controller's software version, press MENU , MORE (A), and STATUS (2). The software version will appear in the upper right corner of the run screen.

Contact the Teledyne ISCO service department at 800-775-2965 for assistance in obtaining the correct firmware for your pump application.