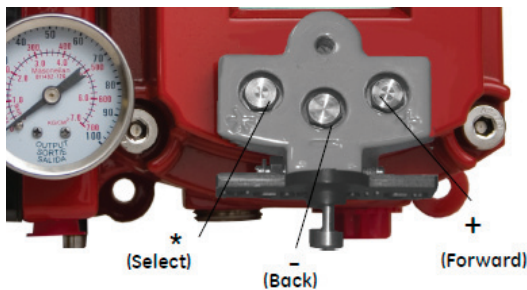




Push Button Guide for Masoneilan* SVI* II ESD Digital Valve Positioner

(Applicable to Firmware 3.1.6)



SVI II ESD Operator Controls

Using Pushbuttons

The local pushbuttons are located behind a hinged cover, directly below the display window. To open the cover loosen the screw and swing the cover down. Always re-fasten the cover after use to protect pushbuttons from environmental contamination.

NOTE: When an exclamation mark (!) appears in the SVI II ESD display window, it indicates that there is instrument status available.

The three pushbuttons perform the following functions:

- Left Button - Marked with *, selects or accepts the value or parameter option currently displayed.
- Middle Button - Marked -, moves back through the menu structure to the previous item in the menu or decrements the currently shown value in the digital display. Holding down the button causes the value to decrease at a faster rate.
- Right Button - Marked +, moves forward through the menu structure to the next menu item, or increments the currently shown value in the digital display. Holding down this button causes the value to increase at a faster rate.

Pushbutton Locks and Configuration-Lock Jumper

Before performing any configuration or calibration functions using the local display you must first ensure that the pushbuttons are placed in unlocked mode using ValVue ESD. The positioner is factory set in unlocked mode. See ValVue ESD online help for more details.

The SVI II ESD offers several security levels. It may be desirable, after initial setup, to lock the pushbuttons so that the SVI II ESD parameters cannot be inadvertently changed by buttons. Several levels of software modifiable pushbutton locks are provided:

- Security Level 3: Allow Local Buttons: Buttons on SVI II ESD are fully enabled.
- Security Level 2: Lock Out Local Calibration and Configuration: Use the buttons to perform operations in normal operating mode and manual mode. Do not go to configure or calibrate mode.
- Security Level 1: Lock Out Local Manual: Examine variables in normal operating mode but do not put valve in manual operating mode. Access to calibrate or configure modes is not available.
- Security Level 0: Lock Out All Buttons - Buttons are disabled (level 0).

Display Menus

NOTE: If the pushbuttons are pushed after being locked by ValVue ESD software, the message *BTN LOCK* appears.

Menu items and functional descriptions, including parameters if applicable, include:

- NORMAL: Runs SVI II ESD in normal operating mode, displays position, signal and pressure.
- MANUAL: Executes manual mode in which the valve does not respond to input signal and you can adjust position manually. In MANUAL mode the valve responds to the Trip signal in addition to responding to HART®. MANUAL mode menu provides access to SETUP.
- SETUP: Provides access to lower level setup menus; configuration (CONFIG), calibration (CALIB) and PST configuration.
- CONFIG: You can set the following parameters: ATO/ATC, Pressure units, display language.
- CALIB: You can calibrate SVI II ESD by running STOPS (find stops) and TUNE (autotune) functions.
- PST CONF: You can configure the following PST parameters: TRAVEL (adjustable from 0 to 100% of travel rating), PMIN (minimum allowed pressure during PST), MAX TIME (maximum allowed time in seconds for partial stroke), PST SPEED (the valve travel speed in% travel per second).
- VIEW DATA: Displays the parameters set in CONFIG and PST CONF.
- VIEW ERR: Displays all current errors.
- CLR ERR: Clear current errors, one at a time.
- RUN PST: Executes PST (Partial Stroke Testing).

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HART® Handheld Guide for Masoneilan* SVI* II ESD Digital Valve Positioner

HART® DD (Dev v1, DD V4) - SVI II ESD (Applicable to Firmware 3.1.6)

