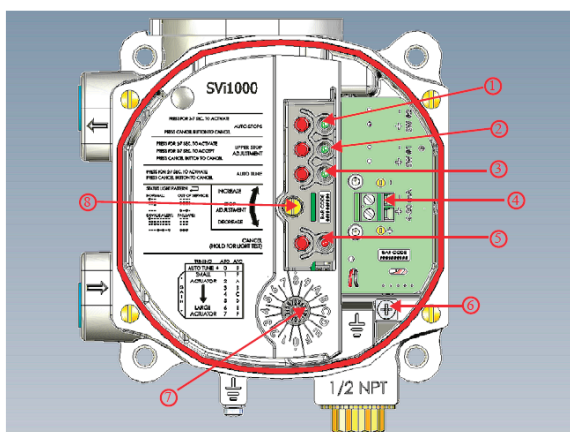




Push Button Guide for Masoneilan* SVi*1000 Digital Valve Positioner

(Applicable to Firmware 2.2.1 (HART® 5) or 3.1.1 (HART® 7))



- ① Auto Find Stops Button and LED 1
- ② Upper Stop Button and LED 2
- ③ Auto Tune Button and LED 3
- ④ 4- 20 mA Input Signal
- ⑤ Cancel/ Status Button and LED 4
- ⑥ Ground
- ⑦ Configuration Selection Switch
- ⑧ Open Stop Adjustment Screw

SVi1000 Operator Controls - Standard

The local user interface is where you configure the unit and perform system operations. These operations consists of:

Configuration Selection Switch

This switch provides control to the following functions:

- Actuator Air Action
- Select autotuned or preset tuning parameters

Auto Find Stops

This function automatically sets the lower and upper stops.

Open Stop Adjustment

Use the Open Stop Adjustment screw to perform an upper stop adjustment and save it to the device.

Autotuning

The autotune process determines optimum tuning parameters for the valve being commissioned. This function is only active when the Configuration Selector Switch is set to AutoTune.

SVi1000 Modes

Normal Mode

In this mode the valve follows the 4-20 mA input signal.

HART® Override mode

In HART® override mode, the local user interface buttons are disabled until any button is pushed, then local control is reestablished. At this time, the instrument interface functions as if in Manual and Setup mode when using the optional laptop-based software or other HART® interface tools. In HART® Override Mode the following functions are supported over HART® by ValVue* or DTM based interface:

- Set Characterization (Linear, Equal%(30,50, Camflex*), Quick Open and Custom
- Enable or Disable Bumpless Transfer
- Set Near Closed Value
- Allow Tune to Override limits
- Configure Tight Shutoff
- Set Lower and Upper Position Limits
- Configure Position Fault Limits (Position Error Band and Time 1)
- Configure Switch I/O
- Run Find Stops
- Run AutoTune (Provided the option is set at the local user interface)
- Perform a Manual Find Stops
- Set Open Stop Adjustment
- Set Valve Position
- Command valve to full open or closed

Failsafe Mode

When a fault results in Failsafe mode being activated, the output pressure of the SVi1000 is set low and the red status LED illuminates continuously. If the fault is considered self-clearing, then once corrected, the unit returns to Normal mode. If the fault is not self-clearing, then the unit requires a reset after correcting the failsafe condition.

Commissioning Services

These are temporary states activated when a local user interface issued command dictates their use. When the positioner is in a Commission Processes a status light indicates this activity. Examples of Commission Processes are Auto Find Stops and Auto Tune. Once a task completes the unit returns to Normal mode.

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HART® Handheld Guide for Masoneilan* SVi*1000 Digital Valve Positioner

HART® DD - SVi1000 (Applicable to Firmware 2.2.1 (HART® 5) or 3.1.1 (HART® 7) and DD version 1)

