Instruction Manual Supplement
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Supplement to HART® Communicating Fisher® FIELDVUE™ Instrument Instruction Manuals

Using FIELDVUE Instruments with the Smart Wireless THUM™ Adapter and a HART Interface Module (HIM)

HART communicating FIELDVUE digital valve controllers can be used in conjunction with a HART Interface Module (HIM) and a Smart Wireless THUM adapter from Emerson Process Management (figure 1). This combination allows multiple analog signals into a control system via the HIM and remote access to diagnostics with the THUM adapter.

The Smart HART Loop Interface and Monitor from Moore Industries (shown in figure 2), and ValveLink™ software or AMS Suite: Intelligent Device Manager can be used with the THUM adapter to implement this solution.

Note

A THUM adapter should not be used with a FIELDVUE digital valve controller in burst mode. Since the HIM is a HART Master and polls the FIELDVUE digital valve controller, burst mode is not required.

If the HIM replaces a device that requires the digital valve controller to be in burst mode, be sure to disable burst mode in the digital valve controller.

WIRELESS THUM ADAPTER INSTALLED ON DVC6010 DIGITAL VALVE CONTROLLER

HART LOOP INTERFACE AND MONITOR (HIM)

Figure 1. Smart Wireless THUM Adapter from Emerson Process Management and Moore Industries HART Loop Monitor

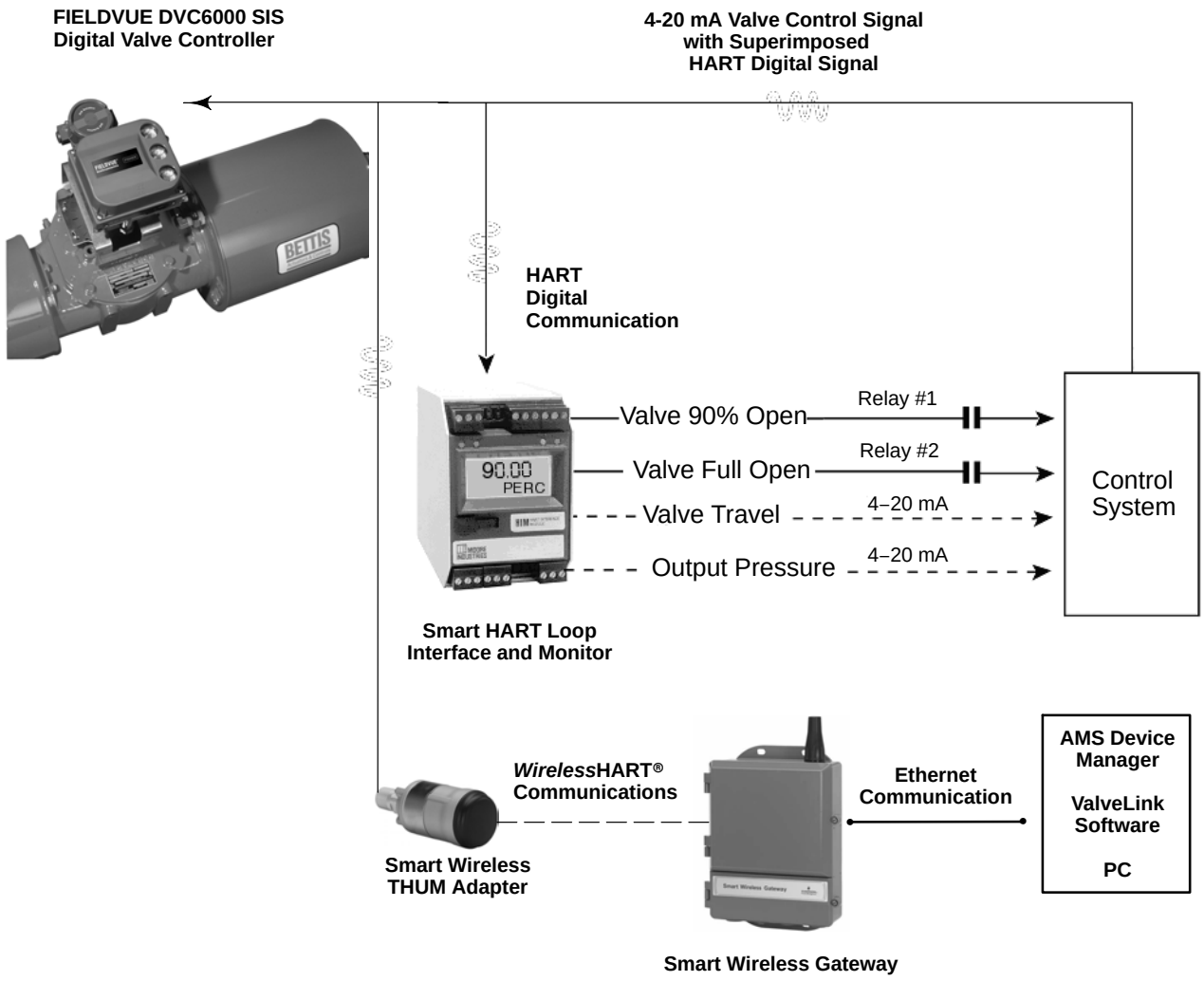


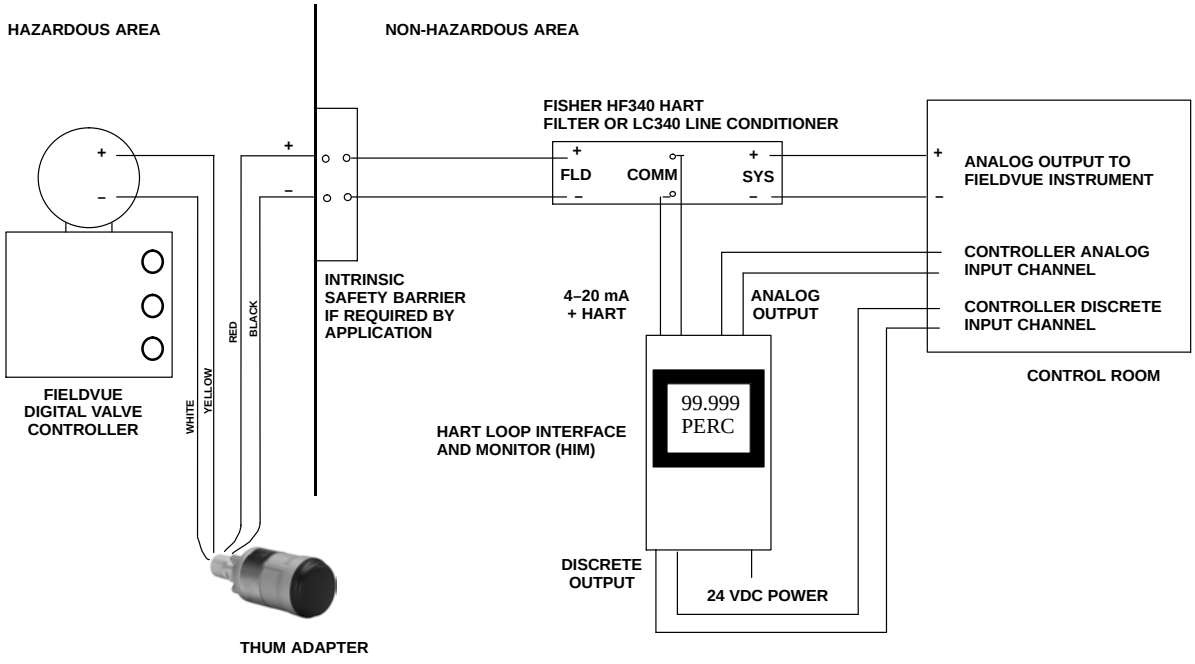
Figure 2. Example of FIELDVUE DVC6000 SIS Digital Valve Controller Installed with a Moore Industries HART Loop Monitor, the Smart Wireless Thumb Adapter and the Smart Wireless Gateway

Installation and Configuration Considerations

Refer to figures 2 and 3 for installation examples.

The HIM should be configured as the Primary Master and the THUM adapter as the Secondary Master. Both devices will be transparent on the loop and poll the digital valve controller.

The HIM updates about 2 times per second. The THUM adapter updates as configured by the user and allows communications with ValveLink software and AMS Device Manager.



NOTE:
REFER TO SMART HART LOOP INTERFACE AND MONITOR USERS' MANUAL 224-778-00 AVAILABLE FROM MOORE INDUSTRIES FOR MORE DETAILED WIRING INFORMATION.

Figure 3. Example HIM Smart HART Loop Interface and Monitor and Smart Wireless THUM Adapter Installation with a FIELDVUE Digital Valve Controller

Additional Information

Refer to instruction manual supplement Using FIELDVUE Instruments with the Smart HART Loop Interface and Monitor (HIM) (D103262X012) for detailed information on connecting the HIM to a FIELDVUE instrument. This supplement is available from www.FIELDVUE.com or your Emerson Process Management sales office.

For additional information on the HIM, refer to HIM Smart HART Loop Interface and Monitor instruction manual, 224-778-00, or the Moore Industries web site, at www.miinet.com.

For additional information on the THUM adapter refer to the Smart Wireless THUM Adapter quick installation guide (00825-0100-4075) or reference manual (00825-0100-4075) available from www.emersonprocess.com or your Emerson Process Management sales office.

Note

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Emerson Process Management
Marshalltown, Iowa 50158 USA
Sorocaba, 18087 Brazil
Chatham, Kent ME4 4QZ UK
Dubai, United Arab Emirates
Singapore 128461 Singapore
www.Fisher.com

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