

Get Advice at the Device™ with the Fisher™ FIELDVUE™ DVC7K Digital Valve Controller



FISHER™ Quickly troubleshoot issues and identify recommended actions

Unplanned downtime is costly

Unplanned shutdowns or turnarounds can cost you thousands—if not millions—in lost production. It is vital that you can quickly identify the health of your valve assembly and resolve issues to keep your plant up and running.

Quickly resolve issues with Advice at the Device

The DVC7K is reliable and intuitive, featuring diagnostics that enable you to optimize your plant's performance. It converts either a 4-20 mA or 24 VDC input signal into a pneumatic output signal that controls the actuator on the valve.

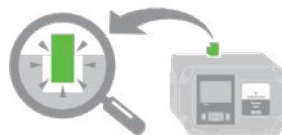
The self-diagnostic capability of the DVC7K provides valve performance and health evaluation without shutting down the process or pulling the valve assembly from the line. At a distance, you can quickly view your valve assembly's health status with the NE107 LED indicator. Perform setup and configuration procedures, check the valve health, and get recommended actions using the simple-to-use Local User Interface (LUI) or your HART® communicating asset management software.

Meet your reliability & performance goals

The DVC7K's magnetic array and hall effect sensor provide high performance, linkage-less, non-contact feedback, eliminating physical contact between the valve stem. This results in no sliding parts to wear, loosen, corrode, or vibrate in harsh or nonstop cycling environments and gives the instrument a longer working life.

Additionally, the DVC7K's field proven, conformal coated electronics resist the effects of vibration, temperature, and corrosive atmospheres. And the weather-tight housing construction protects the wiring terminal box and critical components from harsh environmental conditions.

The two-stage positioner design provides quick response to large step changes and precise control for small setpoint changes. And ramped cutoff provides smooth transition from throttling control to shutoff.



Magnetic Array



Get Advice at the Device™ with the Fisher™ FIELDVUE™ DVC7K Digital Valve Controller

The DVC7K interprets data to effortlessly create an optimized path to action with flexible connectivity and easy integration.



Analyze Data In Real Time

Edge computing enables data analysis and recommended actions directly on the device. It offers 24/7 diagnostics, and the larger, internal memory allows uninterrupted monitoring and alert history retention.



Easy-To-Use Interface

You can monitor device health remotely with the LED and the Local User Interface (LUI), set up your device quickly with Guided Setup, and configure your LUI to up to 13 languages.



Flexible Connectivity

As a registered HART® communicating device, you can access alerts, health status and recommended actions at the device or from anywhere along the loop. You can also analyze your fleet of valves with the Plantweb Insight™ Valve Health application.

Additional Product Benefits





- **Throttling and On/Off Control:** The DVC7K is the first FIELDVUE digital valve controller to have dedicated Throttling and On/Off control tiers.
- **I/O Options:** One Position Transmitter and two solid state dry contact switches can be used simultaneously.
- **Electrical / Pneumatic Connections:** Metric, imperial, or metric/imperial connections are available.
- **LUI Languages:** The LUI supports 13 different languages.
- **Bluetooth® Wireless Technology:** The DVC7K leverages Emerson's secure Bluetooth wireless technology implementation.

Learn More

- **DVC7K Product Webpage**
- Find an **Emerson sales office** near you



Emerson
Marshalltown, Iowa, 50158 USA
Sorocaba, 18087 Brazil
Cernay, 68700 France
Dubai, United Arab Emirates
Singapore 128461 Singapore

 [Fisher.com](https://www.fisher.com)
 [Facebook.com/FisherValves](https://www.facebook.com/FisherValves)
 [LinkedIn.com/groups/3941826](https://www.linkedin.com/groups/3941826)
 [Twitter.com/FisherValves](https://www.twitter.com/FisherValves)

© 2023 Fisher Controls International LLC. All rights reserved. Advice at the Device, Fisher, and FIELDVUE are marks owned by one of the companies in the Emerson business unit of Emerson Electric Co. Emerson and the Emerson logo are trademarks and service marks of Emerson Electric Co. All other marks are the property of their respective owners. The contents of this publication are presented for informational purposes only, and while every effort has been made to ensure their accuracy, they are not to be construed as warranties or guarantees, express or implied, regarding the products or services described herein or their use or applicability. All sales are governed by our terms and conditions, which are available upon request. We reserve the right to modify or improve the designs or specifications of such products at any time without notice. Neither Emerson, nor any of its affiliated entities assume responsibility for the selection, use, or maintenance of any product. Responsibility for proper selection, use, and maintenance of any product remains solely with the purchaser and end user. D353396X012 / Dec23

