Product Data Sheet
DCM-601-1215 Rev. 2.3
November 2019

DCMlink Unified Actuator Software

Intelligence Made Simple

EMERSON

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The DCMlink Software

DCMlink Software is the command and control software for all of Bettis Electric actuators. DCMlink is an innovative software platform that enhances plant productivity by unifying all electric actuators on a common platform while allowing plant operators to gain deep insights into asset status and performance. DCMlink enable users to configure, calibrate, monitor, and diagnose all electric actuators from a central location independent of protocol, actuator or host system. The software extends the useful life of field assets by providing actuator data gathering, condition monitoring, events log and prioritization of actuator alarms in a unified and consistent user interface backed by Emerson Dashboard guidelines.

Features:

- Unified user interface for all electric actuators including support for TEC2, XTE3000, EHO, TEC2000, M2CP, MPA, and HQ
- Real time actuator monitoring and control
- Integrated management of asset data, profiles, alarm, and event logs
- Advanced diagnostics including torque profile curves, valve control, and status monitor
- Easy to use configuration and calibration methods
- PlantWeb™ compatible Alarms in NE-107 format, alarm log, and event log features
- Communicate using Modbus, TCP-IP, HART, RS232, and Bluetooth protocols
- Simplified tree view and logo view for easy navigation
- Air, dry, or lubricated and inert gases
- Dew point at least 10K below ambient temperature
- For sub-zero applications, take appropriate measures
- Mentioned pressure levels are "gauge pressures" Gauge pressure is equal to absolute pressure minus atmospheric pressure

NOTE:
The Product Data Sheet will be updated when new versions of the software release. To ensure you have the latest version and information, check our DCMlink downloads page.

In case there are any questions or inquiries regarding this PDS and supporting information, please do not hesitate to contact **info.actuationtechnologies@emerson.com**

Figure 1 Tag ID and Status in DCMlink

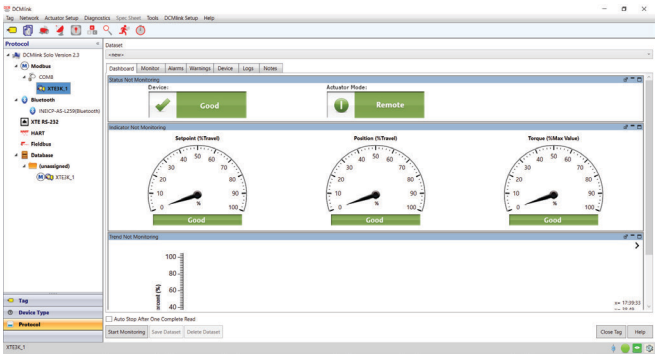
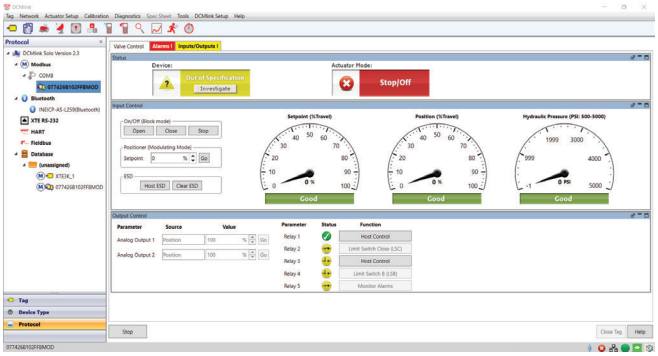


Figure 2 Valve Controlling in DCMlink



DCMlink Standard Features

Unified Actuator Configuration and Control
- Easy to use, next generation software based on human centered design. Gather the necessary installation tools and documentation
- Promotes single, uniform solution to control, configure and monitor all Electric Actuators
- Supports TEC2, TEC2000, XTE3000, EHO, M2CP, MPA, and HQ

Actuator Status Monitoring
- Real time and remote monitoring
- Live trending of critical parameters such as position and torque
- Simplified status reports for over 50 alarms
- Alarms reporting based on NE-107 standard
- Analog or digital indicator dials

Easy Configuration
- Detailed actuator configuration
- Import/export configuration to/from other devices

Multiple Networking Protocol Support
- Modbus
- Modbus TCP/IP
- RDM Slave (TEC2000)
- Bluetooth
- R232 (XTE3000 Native)

Bluetooth Capability
- Auto search function to automatically find Bluetooth enabled actuators
- Ability to configure, control, and diagnose data over Bluetooth

Valve Diagnostics
- Torque profile for M2CP, TEC2000, TEC2, and XTE3000
- Pressure Profile for EHO
- Offline and Online Diagnostics
- Archived torque profile

Valve Control
- Initiate Partial stroke test (PST) or Emergency shutdown (ESD)
- Control relays/Analog Out
- Change setpoint

Figure 3 Actuator Status Monitoring

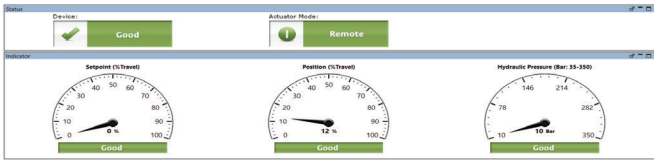


Figure 4 Alarm Management

Figure 5 Live Trending of Critical Parameters

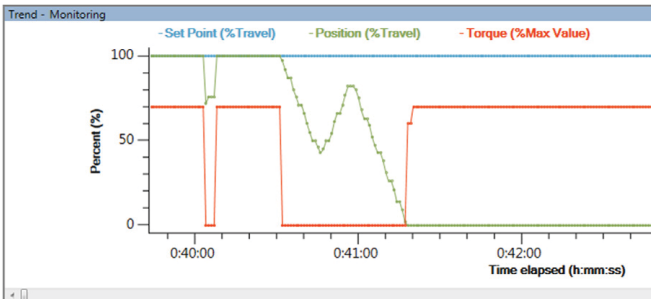
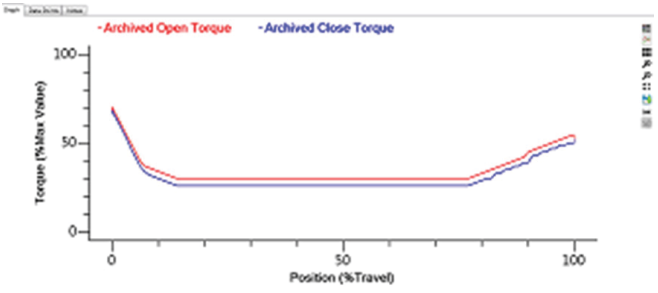


Figure 6 Valve Diagnostics in DCMlink



Calibration

- Initiate Partial stroke test (PST) or Emergency shutdown (ESD)
- Control relays/Analog Out
- Change setpoint

Trace Log

- Ability to record all error conditions
- Support technical resolution of field issues

Event Logging

- Data event log captures and logs events by user, time, and date
- Actuator configuration changes
- Calibration changes
- Diagnostic tests

Figure 7 Event Logger

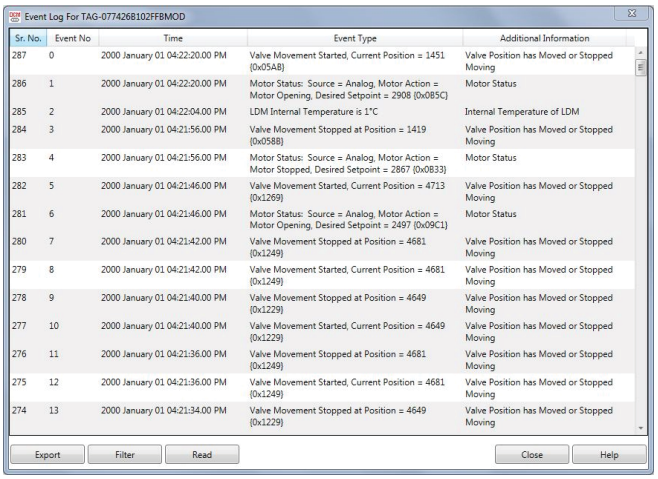
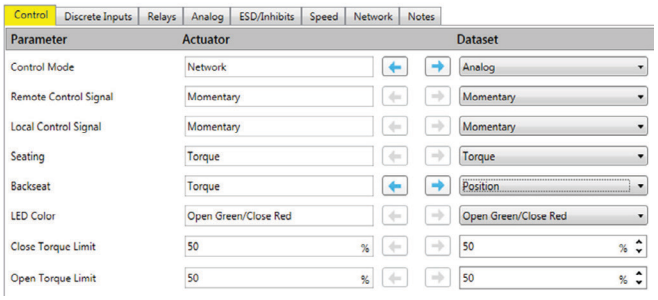


Figure 8 Actuator Configuration



DCMlink Specifications

The following information lists the language, hardware and software compatibilities of DCMlink. In case there are any questions or inquiries regarding this section and supporting information, please do not hesitate to contact DCMlink Helpdesk:

Phone Number:
International Access Code +1-(281) 499-1561 / (800) 679-1561 toll-free (US Only)
Fax Number:
International Access Code +1-(281) 499-8445
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Supported Languages
- DCMlink Software v2.3 is available in English

Supported Operating Systems
- Windows 10 (64 bit)
- Windows Server 2008 SP2 (64-bit)
- Windows Server 2008 R2 SP1 (64-bit)
- Windows 8 (64-bit)

NOTE:
DCMlink Software is not supported on Windows XP (32/64-bit), Windows 2012 Server (64-bit), Windows 7 Professional SP1 (32/64-bit), and Windows 2012 server (64-bit).

Software Requirements
- Internet Explorer ver 11.0 or later is recommended

Hardware Requirements
- Computer and Processor:
  - 1 Gigahertz (GHz) or faster processor
- Memory:
  - 1 Gigabyte (GB) RAM (32-bit) or 2 GB RAM (64-bit)
- Hardware:
  - No Trending -- 65 Megabytes (MB) available storage space
  - Trending -- 125 Megabytes (MB) available storage space
- Drive:
  - CD-ROM Drive
- Display:
  - 1024 X 768 resolution
  - 256 colors
- RS485 converter:
  - Recommend using USOPTL4, optically isolated product from B&B Electronics

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