



### State-of-the-art Electronic Valve Control for L120 Actuators

The Flowserve Limitorque UEX electronic control package replaces existing UEC-3 electronic controllers, or, can be added to L120 electric actuators currently equipped with integral control packages. The UEX introduces MX-style controls to the L120, delivering upgraded controls and additional features.

- Replaces the UEC-3, providing all of the features of the UEC-3 plus enhancements and functions common to the MX and QX actuators
- On-site retrofit minimizes down time
- Added features include position feedback via the absolute encoder and an on-board LCD screen that displays continuous position indication and fault conditions
- Optional digital communication boards for five network protocols

### Full UEC-3 functionality

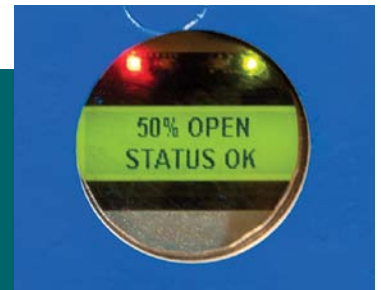
Built with proven Limitorque MX actuator technology, the UEX control package incorporates UEC-3 functionality to ensure continued optimal performance for plant operations. More than 20 UEC-3 features - ESD, 2-speed timer, jammed valve protection, alarm contacts, phase correction, and more - are now available.

### Field-ready installation

Simply remove the UEC-3 from the L120's control compartment and, in a few steps, install the UEX components. Setup is fast, easy, and takes only minutes using the LCD display. Plus, limit and torque switch settings need no readjustments.

The UEX features a 32-character LCD screen that provides actuator status and diagnostics in an easy to use, easy to read, graphical format.

The UEX includes a programmable CSE electronic control station. As with MX and QX actuators, UEX setup is achieved by toggling the knobs to answer "Yes-No" configuration questions.

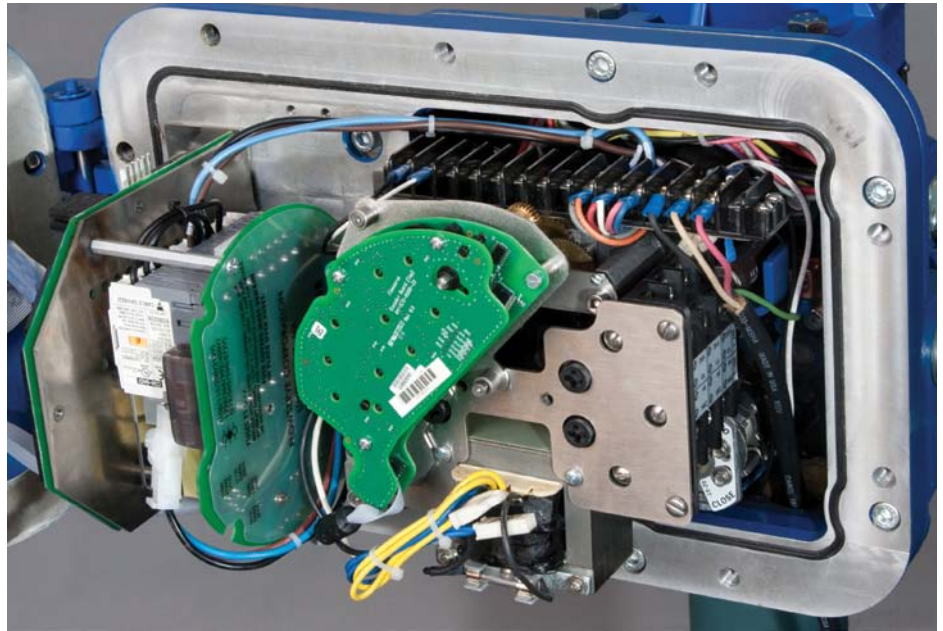




### *The latest electronic advances in valve control*

The Limitorque UEX electronic control package provides:

- Full functionality of the existing UEC-3 controller
- More than 20 standard features, including jammed valve protection, lost phase protection, auto phase correction, and LCD displays of valve position (e.g., 57% Open) and diagnostic data
- MX non-contacting absolute encoder for accurate and repeatable position indication
- LCD on-board fault indication and status displays in 11 languages
- Two configurable status contacts for up to 26 status or alarm indications
- Limigard circuit monitoring prevents unintended valve operation if an internal circuit fault or an erratic command signal occurs
- Valve open/close and positioning via 2-wire, 3-wire, or 4-wire remote control
- Optional 4-20mA analog output with 600 ohms drive capacity
- Compatible with Flowserve Limitorque Dashboard diagnostic software
- Infrared port for downloading diagnostic data and copying and uploading configuration data



*The UEX package includes the power board, interface board, digital I/O board, absolute encoder, CSE control station, and MDPI gearing.*

### *Step up to state-of-the-art actuation and network control*

The Flowserve Limitorque UEX electronic control package offers industry-leading quality, safety, and ease of use. Time-proven features have been enhanced and new capabilities added:

- Network control via Modbus, Foundation Fieldbus, Profibus DP V1, Profibus PA, and DeviceNet
- Battery-free, non-contacting (no wearable components) absolute encoder for accurate position indication in motor operation, or after hand operation on loss of power
- Programmable configurable settings replace UEC-3 dipswitch settings

**Look to the UEX to provide predictable, reliable, and safe operation for years to come, in the most rigorous applications and extreme environments.**

**Learn more about the Limitorque UEX.** Contact your local Limitorque representative at (USA) 1-434-528-4400, or visit [www.limitorque.com](http://www.limitorque.com).

To find your local Flowserve representative or for more information visit [flowserve.com](http://flowserve.com)

**Flowserve Limitorque**  
5114 Woodall Road  
P.O. BOX 11318  
Lynchburg, VA 24506-1318 USA  
Tel: 434-528-4400