cULus Class 1, Division 2, Groups A, B, C, and D Hazardous Locations.

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ROCKWELL AUTOMATION
ENCOMPASS™
GLOBAL PARTNER

Limitorque Valve Actuator Master Communication Module
3150-LTQ

The 3150-LTQ module supports all Limitorque devices which are DDC 100 compatible, including:

- o *Accutronix MX / DDC-100*
- o *UEC-3-DDC Modbus*
- o *DDC-100M field unit*
- o *DDC-100M I/O module*
- o *Valvcon IVO (multi-drop only)*

How to Contact Us: Sales and Support

All ProSoft Technology products are backed with unlimited technical support. Contact our worldwide Technical Support team directly by phone or email:

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Limitorque Valve Actuator Master Communication Module

3150-LTQ
The Limitorque Valve Actuator Master Module easily implements a redundant loop network or a multi-drop network with up to 150 Limitorque valve actuators.

The 3150-LTQ allows Rockwell Automation 1746 I/O compatible processors to interface easily as a host with Limitorque valve actuators. The module supports the Limitorque redundant loop network mode of communications as well as a single multi-drop network (up to 28 actuators).

Features and Benefits
The 3150-LTQ (SLC) Limitorque Valve Actuator Master Module is a single slot solution, which communicates directly with the respective Rockwell Automation processors.

All module setup and write command initiation is performed over the backplane through simple ladder logic and data table configuration. Any standard ladder programming software can be used.

Hands-Off Operation
After the LTQ module has been setup for operation, all active valve actuators will automatically be polled for status data. This data is returned to the ladder data table for monitoring and control purposes. The LTQ module is integrated directly into the SLC rack, forming a tightly integrated and practical solution.

The ProSoft module installs in any slot in a local or extended rack.

Functional Specifications
- Implements Limitorque's Port A/B polling scheme using both ports on the LTQ module
- RS-232 or RS-485 communications (jumper selectable)

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- Software configuration (from processor ladder logic)
  - o Baud rate: 1,200 TO 38,400
  - o Message response timeout
  - o Number of active slaves: 1 to 150
  - o Last state on comm fail
  - o Network polling scheme (looped, port 1 only, port 2 only)
  - o Active slave table: bit mapped up to 150 slaves)

- Supported commands
  - o Continuously poll: read registers 4000840013
  - o Valve position
  - o Status and fault registers

- Digital outputs and digital
  - o Inputs registers1 and 2
  - o Communication error code and comm counter)

- Commands
  - o Open, stop, close, initiate network ESD, terminate network ESD, engage contactors 16, disengage contactors 16, valve position (0100%))

Hardware Specifications

Specification	Description
Backplane current load	3150 module for SLC
	5V @ 0.15 A, 24 V @ 0.040 A
Operating temperature	0 to 60°C (32 to 140°F)
Storage temperature	40 to 85°C (–40 to 185°F)
Relative humidity	5 to 95% (w/o condensation)
LED indicators	Module Status, Backplane transfer status, Serial port TX/RX activity LED, Serial port error LED status
Application Serial ports	DB-9M 3150 module
	RS-232/422/485 jumper selectable
	RS-422/485 screw termination included (two per module)
	RS-232 hardware handshaking (RTS/CTS, DTR)
	500V Optical isolation from backplane

Additional Products

ProSoft Technology offers a full complement of hardware and software solutions for a wide variety of industrial communication platforms.

Visit our web site at http://www.prosoft-technology.com for a complete list of products.