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

CE

**Rockwell Automation**
**Encompass™**
**Product Partner**

# Limitorque Valve Actuator Master Communication Module

## 3100-LTQ

The ProSoft Limitorque Valve Actuator Master Communication Module allows Rockwell Automation PLC I/O compatible processors to interface easily with Limitorque Valve Actuators and other Limitorque protocol compatible devices.

## Limitorque Valve Actuator Master Communication Module
### 3100-LTQ

*The Limitorque Valve Actuator Master Module allows Rockwell Automation 1771 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). The 3100-LTQ (PLC) Limitorque Valve Actuator Master Module is a single slot solution, which communicates directly over the backplane with the respective Rockwell Automation processors.*

## 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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## Features and Benefits

The ProSoft 3100-LTQ Master Module allows the user to easily implement a redundant loop network or a multi-drop network with up to 150 Limitorque valve actuators.

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

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

- Digital outputs and digital Inputs registers 1 and 2
  - Communication error code and comm counter)

- Commands
  - 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 | 3100 module for PLC |
| | 0.65 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% (non-condensing) |
| LED Indicators | Module status |
| | Backplane transfer status |
| | Serial port TX/RX activity LED |
| | Serial port error LED status |
| Application serial ports | DB-25F3100 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.

## Ordering Information

To order this product, please use the following:

**3100-LTQ**     Limitorque Valve Actuator Master Communication Module

To place an order, please contact your local ProSoft Technology distributor. For a list of ProSoft distributors near you, go to http://www.prosoft-technology.com

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