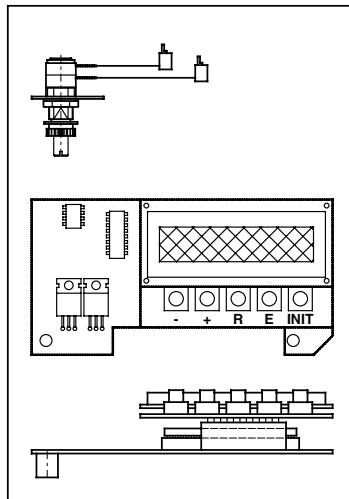
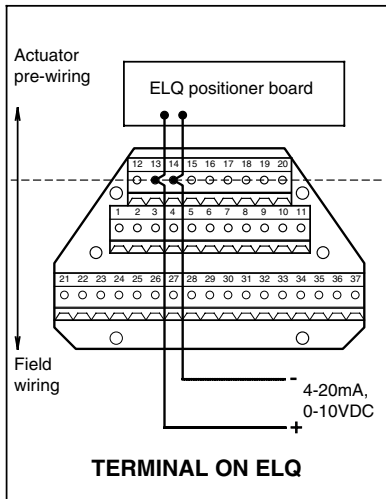
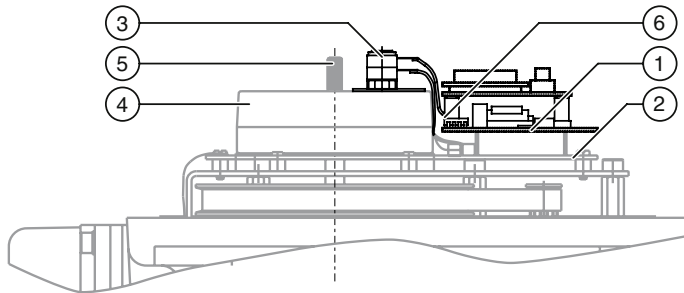
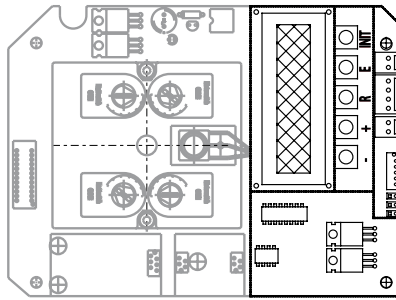


Data sheet

Sheet No.: 5.306 Rev. A
Date: November 2009

ELQ ACTUATOR WITH POSITIONER

Q-MOD



Description

This ELQ electric actuator option is the most advanced positioner available on the market today. This version is made possible by a combination of the latest developments in micro processor technology together with a low power interface for the ultimate in actuator control.

The positioner option provides a modulation position control from an incoming 4 to 20 mA, 0 to 10VDC or digital signal. After initialization the micro processor senses what is required and sets it self up accordingly.

All the usual control characteristics are provided, these are easily reset from the five button control panel - Split range, equal percentage, quick opening and custom curves, direct/reverse acting.

Construction

The electronic card (1) is mounted on top of the mainboard (2). The potentiometer (3) is mounted in the limit switch assembly (4) and is driven by the indicator shaft (5) and an intermediate gear in the limit switch assembly. The potentiometer connector (6) is plugged in the positioner card. The mainboard is prewired to the terminal strip in the terminal compartment.

Specification

Control input	Signal	: 2 wire 4 to 20 mA, 0 to 10VDC
	Max. resistance	: 197 Ω for 4-20mA signal at 20mA : 498 Ω for 0-10V signal
Performance	Min. deadband	: 0.8% full scale
	Resolution	: 10 bits A/D
Temperature		: -20° to +70°C
Adjustable settings	: Zero, range	: Response characteristics
	: Split range	: Custom curves
	: Action	: Direct/Reverse action
	: Deadband	

Identification

Factory option	: Add "+ Q-MOD" to the basic actuator size : eg. ELQ100 + Q-MOD
Kit option	: Actuator size is added to: "Kit Q-MOD" : eg. Kit Q-MOD / ELQ100

Note

1 When a combination of two options is needed, both of which need a feedback potentiometer, the second plug from the double potentiometer can be used.



www.El-O-matic.com

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Updated data sheets can be obtained from our website www.El-O-matic.com or from your nearest Valve Automation Center **USA**: +1 813 319 0266 **Europe**: +31 74 256 10 10 **Asia-Pacific**: +65 6501 4600



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