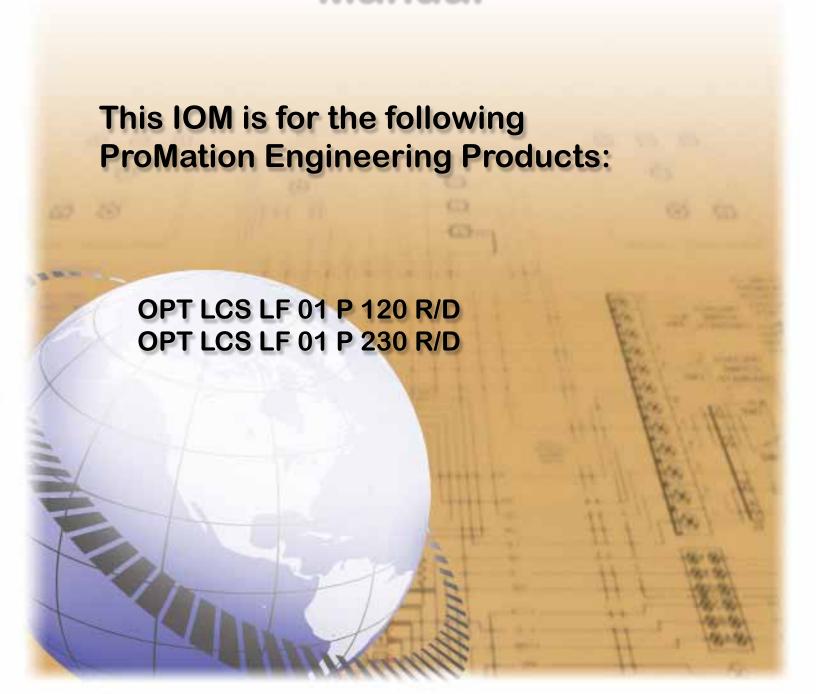


Installation & Operation Manual







Field Manual LCS LF 01 P HV

Local Control Station Proportional Control



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Product Specifications:

	Local Control Station: LG Actuator dependent							
Torque "lb/Nm								
For Actuator Series	P2~P13							
Supply Voltage	120vac, 230vac							
Max Inrush Current	N/A							
Running Current	N/A							
Runtime (90°@60/50Hz)	Actuator dependent							
Weight	7lbs/3kg (case and components)							
Mechanical Connections	Actuator Dependent							
Electrical Entry to box	Field punched							
Electrical Terminations	Altech terminal blocks that accept 12-16ga wire.							
Environmental Rating	NEMA 4 (Local Control Station Enclosure)							
Override	Local/Off/Remote Switch							
Control	Proportional							
Duty Cycle	Actuator Dependent							
Controller Case material	Steel							
Ambient Temperature Operating Range	-22°F to +150°F -30°C to +65°C							

Introduction

This document provides necessary information for set-up, calibration, testing and use of the L Series Local Control Stations for quarter-turn electric actuators. Each unit is shipped from the factory with wiring completed as shown in the Wiring Diagram and ready to be installed.

Safety

Safety is a basic factor any time you maintain and operate mechanical equipment. Appropriate handling methods and proper use of tools and clothes can help prevent serious accidents -- accidents which can cause injuries to you or a fellow worker. This manual was created to enable a trained user to install, adjust and troubleshoot your ProMation actuator.

Only competent and trained personnel should install, maintain and operate ProMation Local Control Stations and actuators. Any work related to this actuator must be carried out in accordance with this manual and related codes and regulations. Local workplace health and safety rules should always be followed.

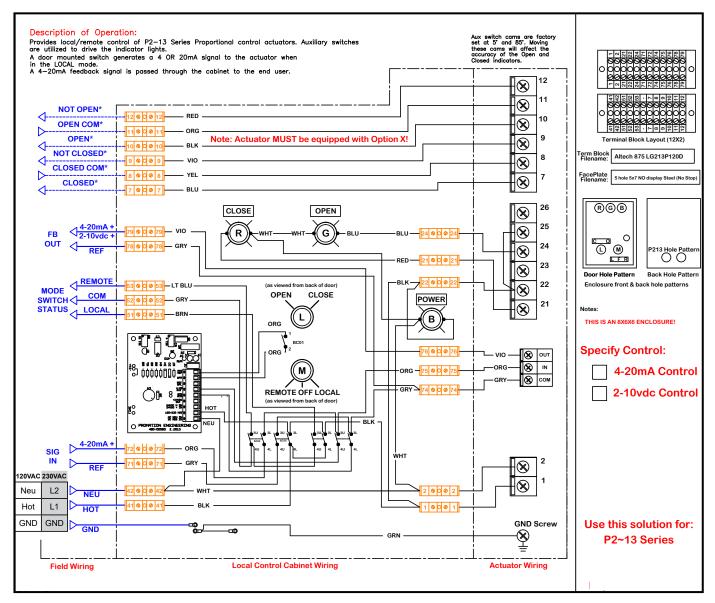


Product Handling and Installation

- 1. Storage: This unit should NOT be stored outside unless it is powered up and has proper conduit terminations. When NOT powered up, it should be stored in a clean, dry environment at all times.
- 2. Note: this enclosure must have water tight EMT fittings, with conduit drainage installed to keep it dry at the time of installation.
- 3. The switches located on the front of the enclosure do NOT function as service disconnects.
- 4. Do NOT wire multiple actuators to or from the Local Control Station.

Wiring Diagram

Proportional Control =





Component Identification

Controls - Front Panel

OPEN (GRN) indicator

Uses aux contacts from the actuator.
When the MODE switch is set for
LOCAL or REMOTE and the actuator is
fully OPEN, this indicator will illuminate.

CLOSED (RED) indicator Uses aux contacts from the actuator. When the MODE switch is set for LOCAL or REMOTE and the actuator is fully CLOSED, this indicator will illuminate. POWER (BLU) indicator ON when actuator is receiving POWER (in either mode) Latch Quarter-turn, screwdriver access. Opens cabinet door to gain access to wiring terminal blocks and actuator wiring entry.

Close / Stop / Open Switch

This knob switch selects the run direction in which the actuator operates. In the CLOSE position, the actuator will drive closed. In the OPEN position, the actuator will drive open. The actuator will not stop between OPEN and CLOSE positions

Local / Off / Remote Mode Switch

This knob switch selects the control mode in which the actuator operates. In the LOCAL position, the actuator is commanded by the Close / Stop / Open Switch. In the OFF position, the actuator accepts no commands. In the REMOTE position, the actuator is commanded by the field control device, (typically a central control point).

WARNING!

The Mode switch does NOT function as a service disconnect! Power is still present inside this enclosure when the mode switch is OFF.



Component Identification

Product Controls	7,0			•••							
LCS Model	LA	LB	LC	LD	LE	LF	LG	LH	LI	LJ	LK
Product	All	All	All	All	All	P1,PA,PL	P2-13	P1,PA,PL	P2-13	P1,PA,PL	P2-13
For On/Off/Jog Actuators Only	Χ	Χ	Χ	Х							
For Proportional Actuators Only					Х	Х	Χ	Х	Χ	Х	Х
Local/Off/Remote Mode Switch	Χ	Χ	Χ	Х	Х	Χ	Χ	Χ	Χ	Χ	Χ
Close-Stop-Open Switch	Χ	Χ	Χ	Х							
Close-Open Switch (2 Pos)					Х	Χ	Χ				
Close / Open Indicator Lights		Χ	Χ	Х		Х	Χ	Х	Χ	Х	Х
End of Travel (EOT) Outputs to Cor	ntroller	Χ	Χ	Х		Χ	Χ	Χ	Χ	Χ	Χ
Mode Switch Position Signal to Controller			Χ	Х		Х	Χ	Х	Χ	Х	Х
Illuminated Power Indicator				Х		Χ	Χ				
Full Proportional Control via Potent	iometer							Х	Χ	Х	Х
LCD Display for Incoming Signal								Χ	Χ	Χ	X
LCD Display for Feedback Signal										Х	Х

Mechanical Data

Product Controls

SAMPLE DIAGRAM

LCS shown is only a sample and may not represent all components completely.

