Maxonic



MVP SMART VALVE POSITIONER

↘ MVP3500 Quick Start Guide

THESE INSTRUCTIONS PROVIDE THE CUSTOMER/OPERATOR WITH IMPORTANT PROJECT-SPECIFIC REFERENCE INFORMATION IN ADDITIONTO THE CUSTOMER/ OPERATOR'S NORMAL OPERATION AND MAINTENANCE PROCEDURES.

THESE INSTRUCTIONS ASSUME THAT OPERATORS ALREADY HAVE AGENERAL UNDERSTANDING OF THE REQUIREMENTS FOR SAFE OPERATION OF MECHANICAL AND ELECTRICAL EQUIPMENT IN POTENTIALLY HAZARDOUS ENVIRONMENTS. THEREFORE, THESE INSTRUCTIONS SHOULD BEINTERPRETED AND APPLIED IN CONJUNCTION WITH THE SAFETY RULESAND REGULATIONS APPLICABLE AT THE SITE AND THE PARTICULARREQUIREMENTS FOR OPERATION OF OTHER EQUIPMENT AT THE SITE.

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THESE INSTRUCTIONS ARE FURNISHED TO THE CUSTOMER/OPERATORSOLELY TO ASSIST IN THE INSTALLATION, TESTING, OPERATION, AND/OR MAINTENANCE OF THE EQUIPMENT DESCRIBED. THIS DOCUMENT SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN APPROVAL OF MAXONIC.

Introduction

MVP smart valve positioner is a user friendly digital valve positioner for pneumatic control valves. Utilizing advanced control and diagnosticalgorithms, along with field-proven non contact position sensing technology, the MVP delivers accurate, responsive and reliable posioning performance.



Electrical connection





Commissioning

Press the A/M "▲" "▼" key at the same time, and the countdown will enter the commissioning after 3 seconds.
Note: During the commissioning process, press the A/M button to exit the tuning.







Determine the direction of the travel



Determine the start and end positions of the valve stroke



Pneumatic amplifier commissioning

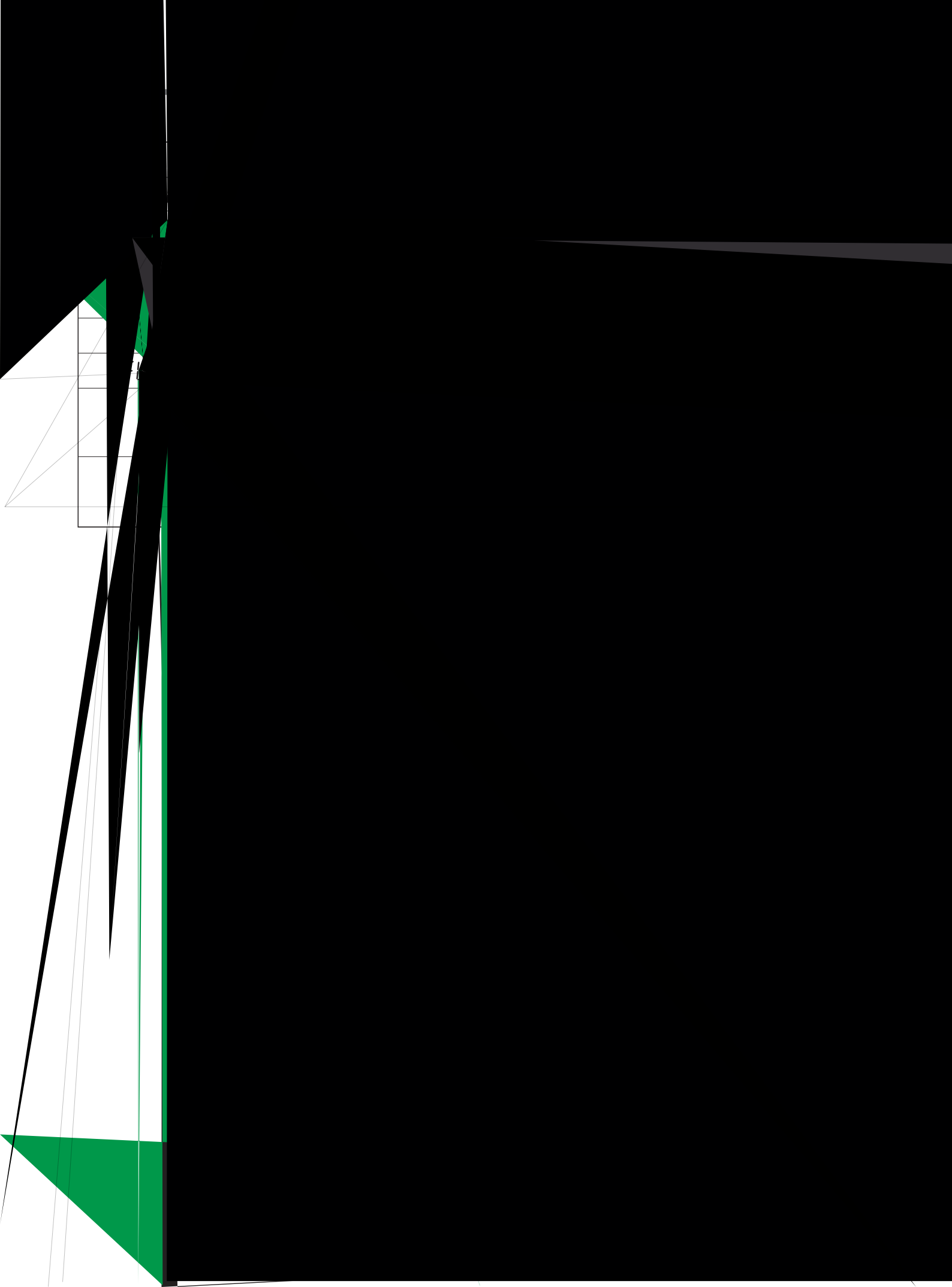
Calculate the travel time up and down

Calculate control parameters such as dead zone, predictive value, pulse width, etc

Optimize control parameters



End of tuning. Press A/M to exit or run automatically after 1 minute



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