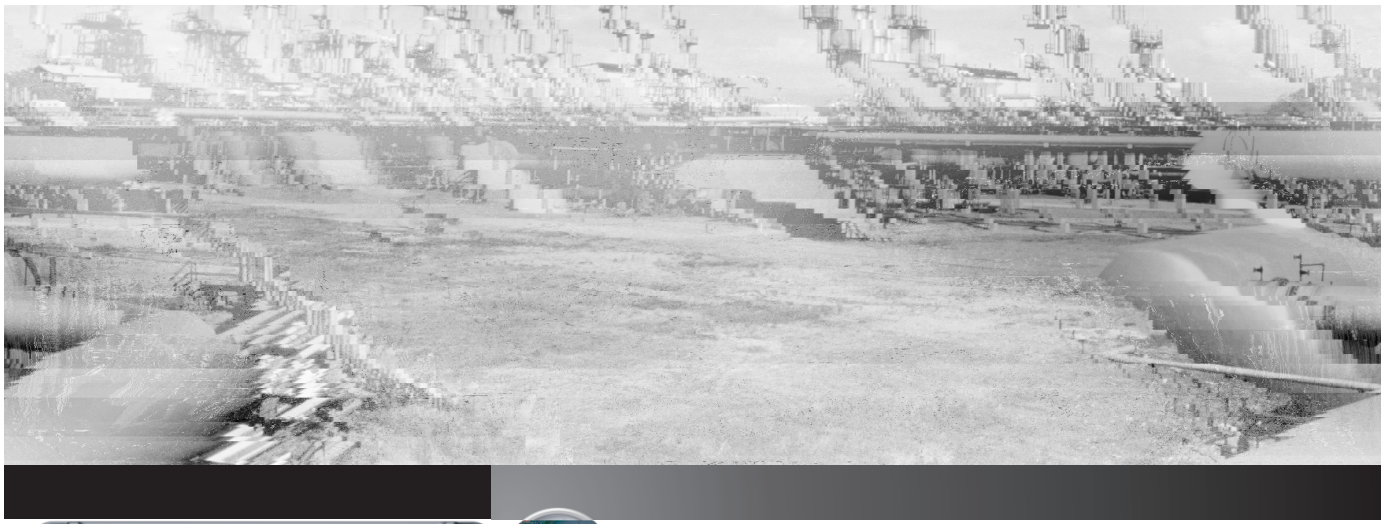
Maxonic





MVP SMART VALVE POSITIONER

↘ MVP3800 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.

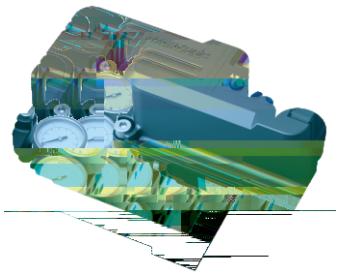
THESE INSTRUCTIONS ASSUME THAT OPERATORS ALREADY HAVE AGENERAL UNDERSTANDING OF THE REQUIREMENTS FOR SAFE OPERATION OF MECHANICAL AND ELECTRICAL EQUIPMENT IN POTENTIALLY HAZARDOUS ENVIRONMENTS. THEREFORE, THESE INSTRUCTIONS SHOULD BEINTERPRETED AND APPLIED IN CONJUNCTION WITH THE SAFETY RULESAND REGULATIONS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

THESE INSTRUCTIONS DO NOT PURPORT TO COVER ALL DETAILS ORVARIATIONS IN EQUIPMENT NOR TO PROVIDE FOR EVERY POSSIBLE CONTINGENCY TO BE MET IN CONNECTION WITH INSTALLATION, OPERATIONOR MAINTENANCE. SHOULD FURTHER INFORMATION BE DESIRED OR SHOULD PARTICULAR PROBLEMS ARISE WHICH ARE NOT COVERED SUFFICIENTLY FOR THE CUSTOMER/OPERATOR'S PURPOSES THE MATTER SHOULD BE REFERRED TO MAXONIC.

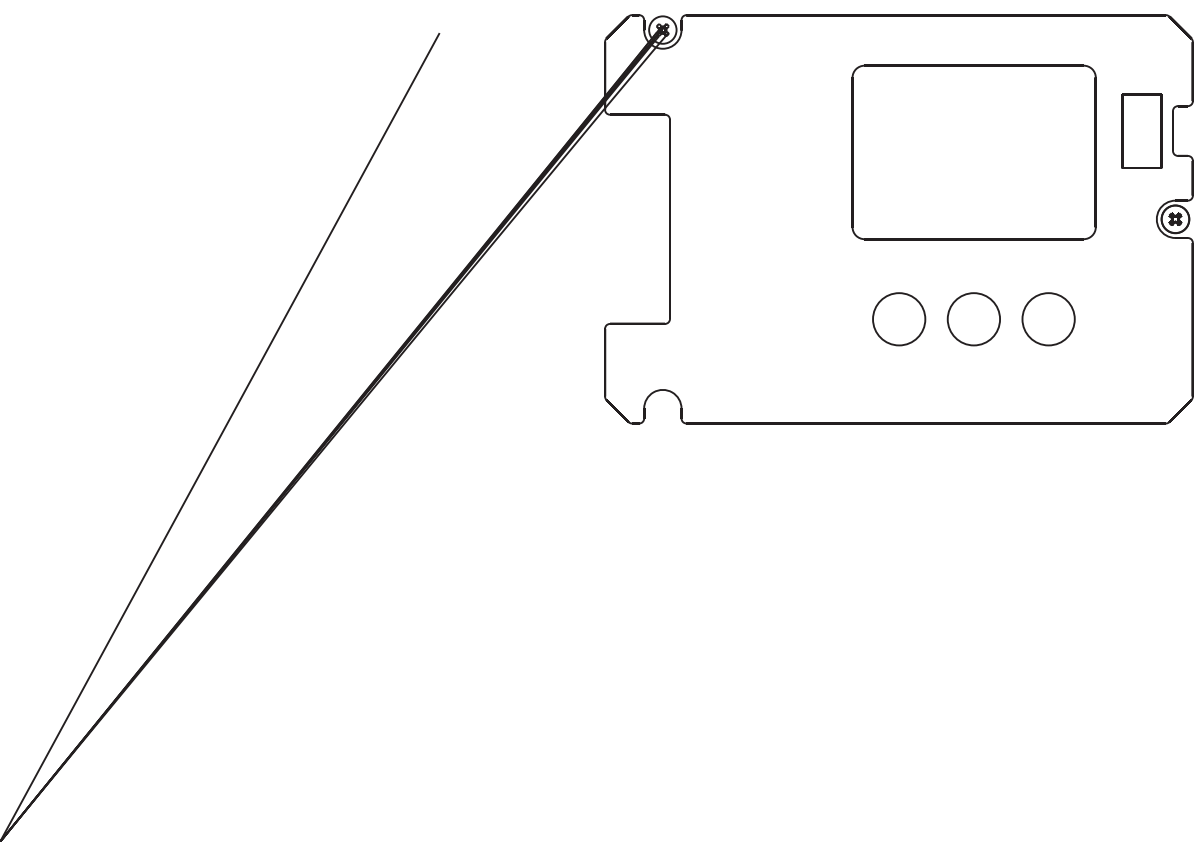
THESE INSTRUCTIONS ARE FURNISHED TO THE CUSTOMER/OPERATORSOLELY TO ASSIST IN THE INSTALLATION, TESTING, OPERATION, AND/OR MAINTENANCE OF THE EQUIPMENT DESCRIBED. THIS DOCUMENT SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN APPROVAL OF MAXONIC.

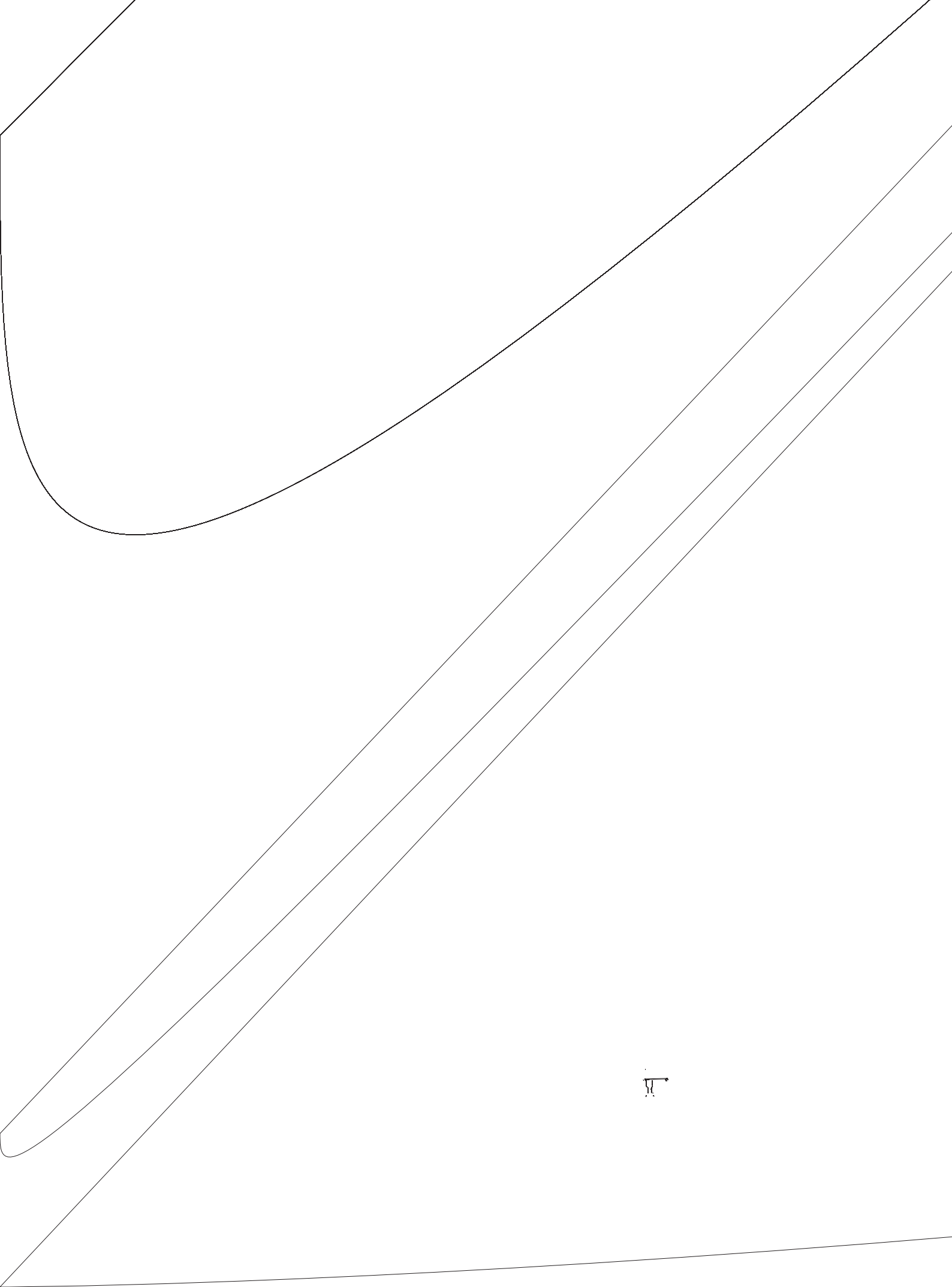
Introduction

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



Terminal name	Signal name	Function
1+	Current input signal(+)	Connect the 4–20 mA control signal to this terminal to supply power and signal to the positioner.
2-	Current input signal(-)	
11+	Current output signal(+)	4–20 mA analog feedback signal indicating the current valve position.
12-	Current output signal(-)	
21+	Switch output signal1(+)	Alarm output 1: When the valve operates to the set alarm position, Output switch signals that comply with the NUMAR standard.
22-	Switch output signal1(-)	
31+	Switch output signal2(+)	Alarm output 2: When the valve operates to the set alarm position, Output switch signals that comply with the NUMAR standard.
32-	Switch output signal2(-)	

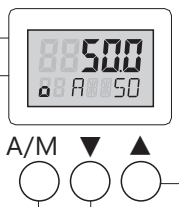




Operation interface

The 1st line shows
Normal operation:Valve position feedback value
User Menu:Parameter values

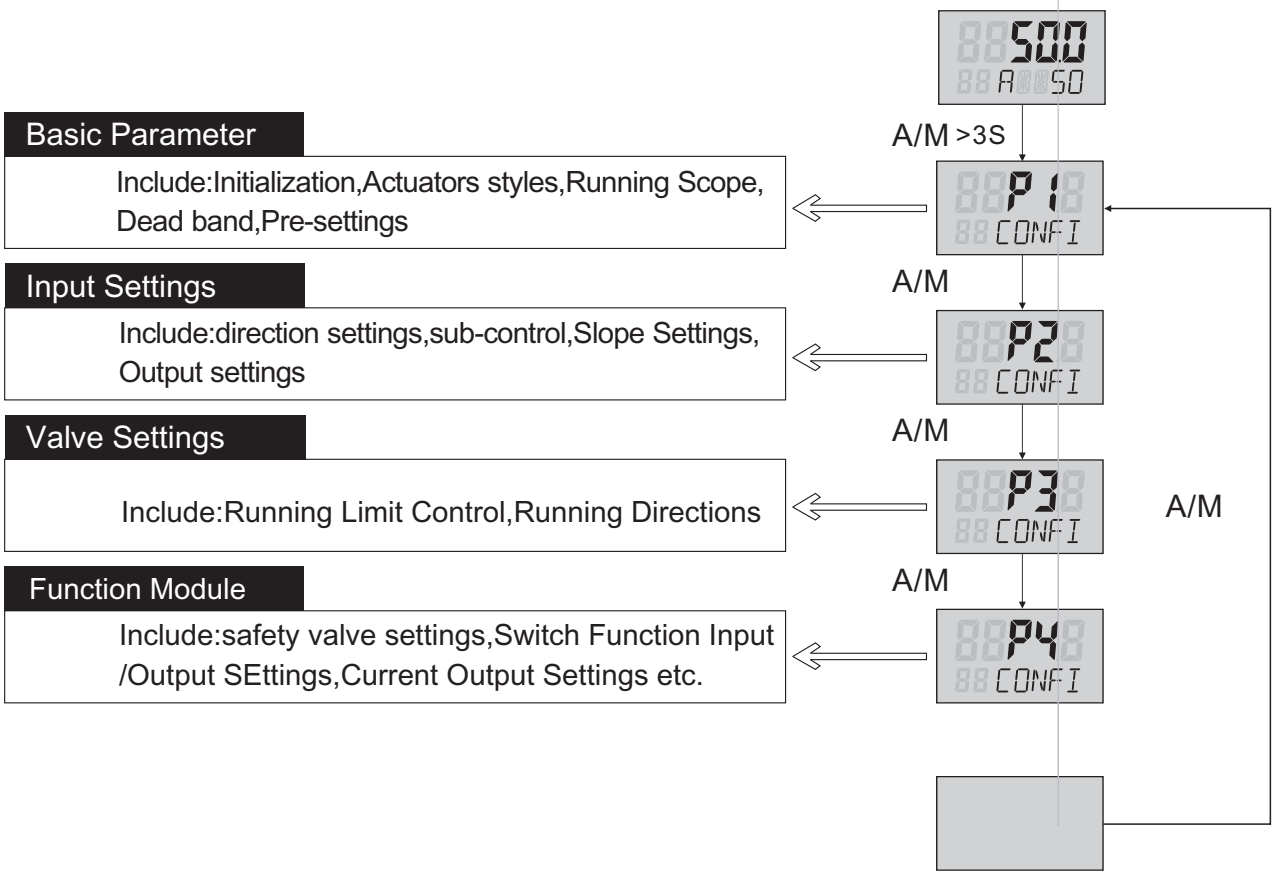
The 2nd line shows
Normal opration:From left to righyt shows "Direction of the valve-action","The state of running", and "The setpoint"
User menu Settings:from left to right shows "Parameter"and "The parameter name"



▲ Button
Normal opration:
1.Manual control,press the button,vale position increase;
2.Press the button, at the same time hold down ▼vale position increase fast.
User menu:
1.Parameter selection status,Select the next parameter
2.Parameter modify status,Increase the parameter value or make a positive selection

A/M Button
Normal opration:
1.Press button A/M, sub mode switch between auto control mode, manual control mode, Position sensor angle check mode.
2.Press the button for at least 3 seconds to go into Configuration mode
User menu:
1.Press the button,Select Menu P1/P2/P3/P4
2.Press the button,Parameter selection/ modification status switching
3.Press the button for 3 seconds,Exit the user menu

▼ Button
Normal opration:
1.Manual control,press the button,vale position increase;
2.Press the button,at the same time hold down ▲vale position increase fast.
User menu:
1.Parameter selection status,Select the front parameter
2.Parameter modify status,Decrease the parameter value or make a reverse selection



include:

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

ess A/M to exit or run
er 1 minute



Display	Cause

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