

# 3 - Position Controller

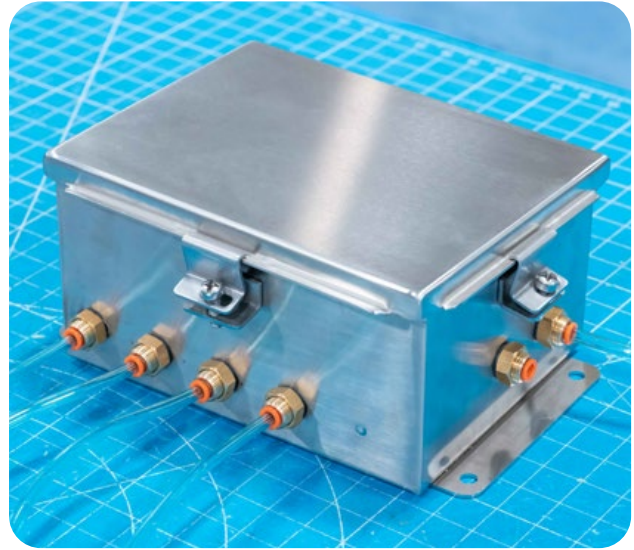
A One of a Kind, Compact, 3-Position Controller for Remote Operation without PLC

## Simple Control for 3-Position Applications

Max Air has developed a compact control box for use in conjunction with our 3P actuators. This control box greatly simplifies the implementation of the 3P actuator by minimizing the number of field connections required. With one air supply connection, 3 signal wires, a neutral and a ground, the inputs are complete and all that is left is a few tubing connections between the box and actuator. The tubing connections can be customized as required for different types or sizes of tubing.

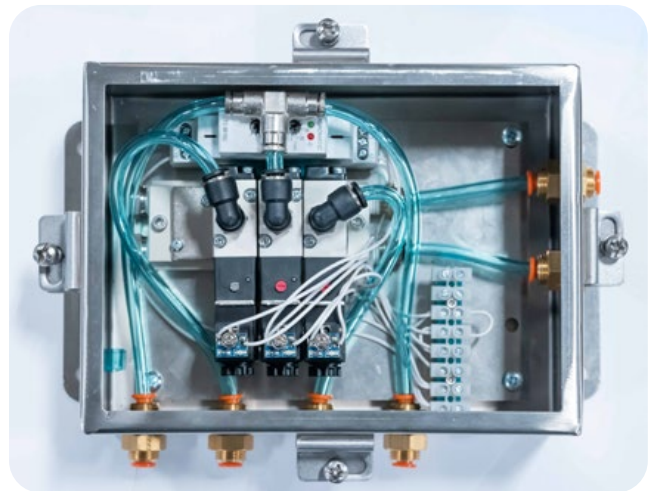
### Features:

- Available in 24VDC/120VAC
- Designed for Max-Air 3P double acting 180 degree actuators
- Three wire control with integral solenoid and adjustable time delay
- Achieve three positions without PLC or complex wiring
- Quick connect bulk head fitting for easy hookup



## Under the Hood

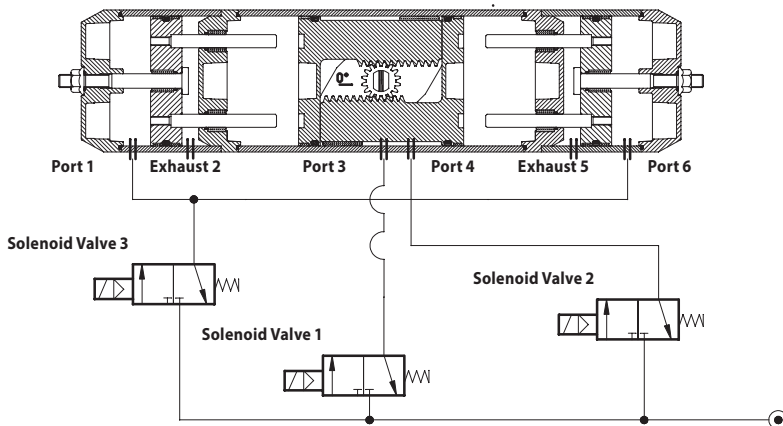
Inside the enclosure is a bank of solenoid valves on a common air supply. The internal wiring is pre-terminated to a terminal strip for the field input connections and the time delay function for the mid-position travel stops is programmed in so that a simple binary signal is all that is required. Solenoid outputs are panel mounted to the enclosure for simple on-site connection to the actuator.



## Diagrams

Many of the features of the controller can be customized as needed to meet the requirements of the environment. The example in the drawing below will meet the requirements of most small to mid-sized actuators ordinary location (non-hazardous) environments.

### Air Flow Diagram



### Wiring Diagram

1	OPEN
2	MID
3	CLOSE
4	NEU/NEG



## Dimensional Drawings

Units Measured in Inches.

