



*A family of master/  
follower speed  
controls . . . offering  
unmatched versatility  
and ease-of-use*

**MAXjr** Speed controls provide superior regulation and easier operation than competitive units costing much more. In each compact, economical unit is a full featured speed control, calibrated speed indicator and power supply.

**MAXjr** Speed 1 (Master) offers all of the popular features needed for stand-alone speed control. **MAXjr** Speed 2 (Follower) allows one motor to track the speed of another at an adjustable ratio. **MAXjr** Speed 3 (MOP/POT) offers speed setpoint adjustment from a remote location.

- 0.05 % speed regulation
- Calibrated speed display
- Accel/decel ramp control
- Built-in transducer supply
- Built-in setup diagnostics
- Isolated analog drive output
- Sealed NEMA 4 front panel
- DIN-sized panel mounting
- Non-volatile memory during power loss

**MAXjr** Speed's easy-to-use operator interface and built-in diagnostics get your application up and running quickly. Full control over ramp rates, feedback resolution and speed readout calibration make it universally applicable to any speed control situation.

## SPECIFICATIONS

**Input Power:** 100 to 130 VAC or 200 to 260 VAC, 50/60 Hz, 20 VA (10 to 26 VDC @ 0.4 A. optional)

**Transducer Power:** 12 VDC  $\pm 25\%$  @ 90 mA

**Setpoints:** Single, 5 digit; Accuracy: 0.05%

**Program Security:** Individual program and setpoint locks

**Signal Inputs:** Squarewave: 3.5 to 28 VDC @ 3.25 mA source; Magnetic: 0.5 V peak into 10 k $\Omega$

**Outputs:** Single, open collector, 100 mA max. sink, 28 VDC max.; Analog Output: 0 to 10 VDC (requires 9 to 18 VDC @ 80 mA input power; 12 VDC min. required for 10 VDC output)

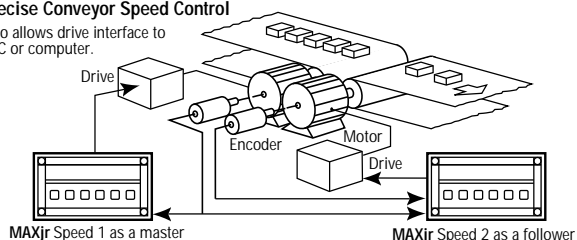
**Operating Temperature:** 32° to 122°F (0° to 50°C)

Model No.	Description
<b>MSJR1S00</b>	<b>MAXjr</b> Speed 1, Master Speed Controller (115/230 VAC, selectable)
<b>MSJR1D00</b>	<b>MAXjr</b> Speed 1, Master Speed Controller (12 VDC operation)
<b>MSJR2S00</b>	<b>MAXjr</b> Speed 2, Speed Follower (115/230 VAC, selectable)
<b>MSJR2D00</b>	<b>MAXjr</b> Speed 2, Speed Follower (12 VDC operation)
<b>MSJR3S00</b>	<b>MAXjr</b> Speed 3, MOP/POT Speed Controller (115/230 VAC, selectable)
<b>MSJR3D00</b>	<b>MAXjr</b> Speed 3, MOP/POT Speed Controller (12 VDC operation)
<b>PM41S00</b>	12 VDC Power Supply (1 required for each <b>MAXjr</b> Speed)

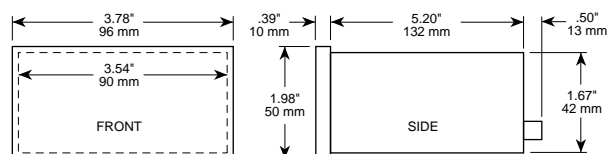
### Typical Applications:

#### Precise Conveyor Speed Control

Also allows drive interface to PLC or computer.



### Dimensions:



**Panel Dims:** Cutout: 1.78" x 3.58". Thickness: 1/16" to 1/14". Depth: 5.68" min.