

# EZ500 Controller

## Shaft Mount Underspeed Detection

**Monitor Your Equipment, Anytime, Anywhere**

The Maxi-Tronic EZ500 Controller provides underspeed detection for your bucket elevators, drag conveyors, screw conveyors, and other rotating equipment.

This all-in-one unit has dual-setpoint 10% and 20% slowdown relay outputs, status and alarm indicators, target indicator, and tachometer or serial data output.

### **EZ500 in action**

Easy to install magnetically mounts to the end of the rotating shaft, one-step calibration.

All-in-One design with sensor, controller, housing, magnetic mount, conduit fitting, 6' cable, and retaining strap in one compact unit.

Supported by Maxi-Tronic world-class installation, service, and technical support.



- 110/220VAC and 12/24VDC models
- Magnetic mounting option
- Replaceable control module
- Easy setup and calibration

- All-in-one enclosed, compact, and safe design
- Advanced start-up protection
- MaxiTrack system compatible
- Optional RS485 data or tachometer pulse output

**MAXI-TRONIC**  
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## Shaft Mount Underspeed Detection

### Maxi-Tronic EZ500 Motion Controller

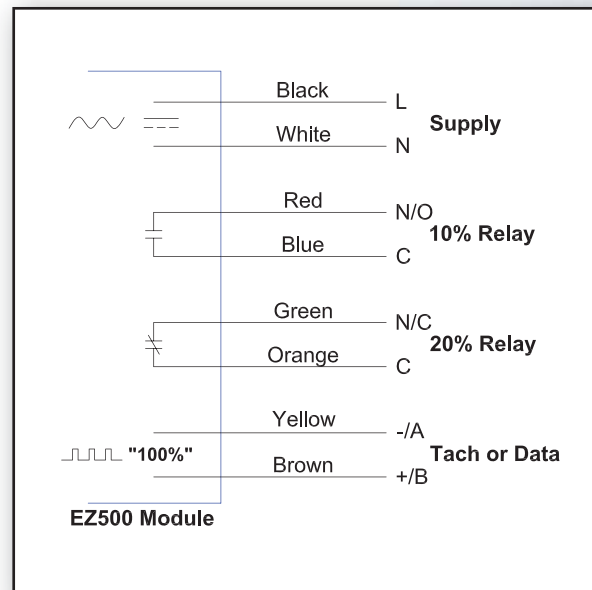
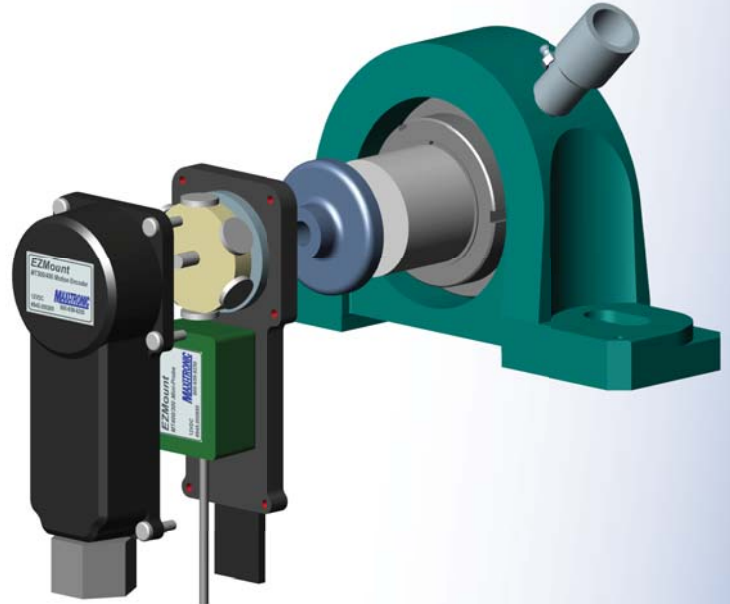
Maxi-Tronic Motion Controllers have been the industry standard since inventing the dual set-point under-speed motion controller (patent #4282967) in 1981.

#### EZ500 has the most advanced features in the industry:

- 10% Slowdown Relay: Closes at 10% slowdown.
- 20% Slowdown Relay: Opens at 20% slowdown.
- Advanced start-up protection monitors for non-start, slowdown while starting, and maximum time-to-start conditions.
- Variable Start-up delay and 30 second maximum timeout.
- Easy one-step calibration.
- Status LED and Target LED rotation indicator.
- Tachometer pulse output option (NPN Sinking).
- Serial (ASCII) data output option for PC/PLC interface.
- 12, 24VDC and 110, 220VAC supply options available.
- EZMount magnet or threaded shaft mounting options.

#### EZ500 Specs:

Voltage:	120VAC or 220VAC 50/60Hz, 5VA 12VDC or 24VDC, 100mA
Wiring:	3 or 4 pair, 20 AWG
Relays:	(2) N/O, 5A at 240VAC (2A Inductive)
Speed Range:	8-1000 RPM
Tachometer:	30VDC, 20mA max (NPN) pulse output
Serial Data:	% speed via RS-485 (DC model only)
Threads:	1/2"-13 threads on shaft 5/8" wrench flats 1/2" NPT Conduit fitting
Dimensions:	6 3/4"H x 2 1/2"W x 1 3/4"D
EZ Magnet:	2 1/2" Dia x .75"D



EZ500 begins start-up sequence when power is applied. Supply power is wired from equipment Start button. Relay states shown above are with power applied and equipment running in "normal" operation.

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