# EZ500 & EZ510 Actuator Installation Instructions

The EZ500 does not include the mounting bracket or screws.

The available throw of the actuators is approximately 1/2" to 5/8", depending on the amount the sleeve is screwed on the Actuator rod. This is sufficient for most turnouts in all gauges up through 45mm (G, #1)

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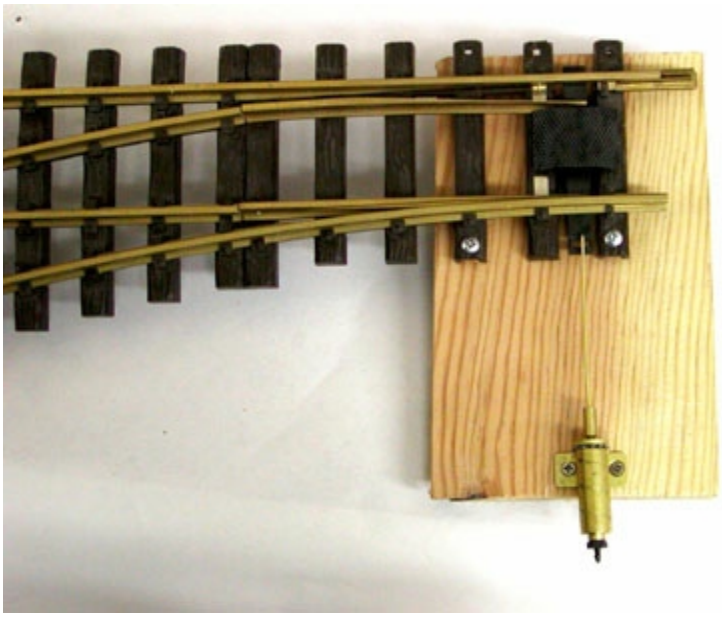
If you are mounting the Actuator to control a turnout that is free floating in ballast, you must provide some sort of mounting platform that is solidly attached to the turnout. Please see the picture on page 2.

Screw the sleeve with the wire protruding to the actuator rod. Form the wire to fit to a hole drilled in the tie bar. If you are installing the Actuator on a sectional track turnout, it’s best to use a hole just larger than the supplied wire instead of the large hole where the factory mechanism operated the tie bar. Bend the tie bar end of the wire in a "Z" or "U" shape so that the wire won't work it's way out of the hole in the tie bar during operation. With no pressure applied to the actuator, move the actuator away from the turnout with it's axis perpendicular to the turnout until there is some spring tension on the tie bar, holding the points in the "normal" position. This is just a small amount, 1/16" or so. Mount the actuator solidly.

If you are mounting the EZ500 Actuator, you will have to supply the mounting hardware. The nose of the actuator is threaded 1/4” -28. Taps for this size are available if you wish to thread the actuator into a tapped hole, as is done on the EZ510 mounting bracket.

If you are installing an EZ510 Actuator, mark the position of the holes in the bracket. Pre-drill holes for the #4 flat head mounting screws, if needed. Mount the actuator using the #4 flat head screws. Apply 40 psi air pressure to the actuator and test the operation. Adjust the wire or actuator position as needed.



This is an LGB turnout with an EZ510 Actuator mounted, ready to go out in the garden. The actuator is mounted away from the track, so that it may be covered by a small structure or pile of ties. This is only for appearance sake, as the actuator is weatherproof. When ballasted, the wooden block will be covered. It may be painted first to help disguise it more.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