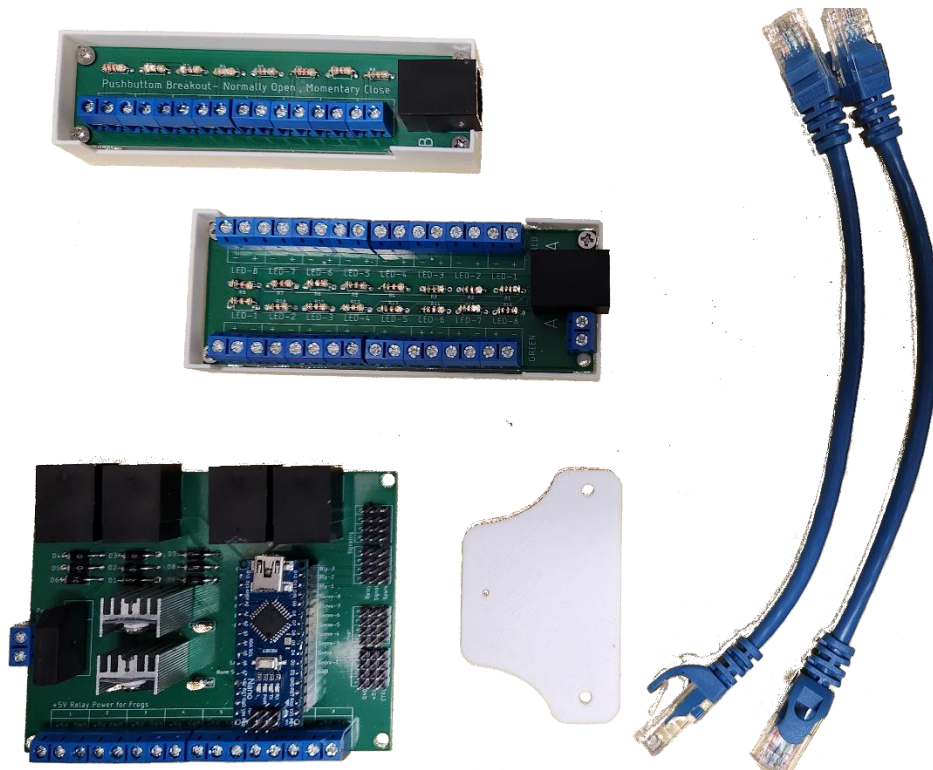


# EZTronic HO Custom Turnout Kit

Advanced Technology for Turnout control

## Introduction

Welcome to the world of integrated and simplified control for your model railroading turnouts. Our HO Custom Turnout Kit is a fully integrated and simple to use solution. It comes complete with all the items you need to design and implement your own custom actuating panel. This kit comes with our powerful HO Turnout Controller, a breakout board for pushbuttons and a breakout board for LEDs. You supply your own LEDs (single color) and pushbuttons (Normally open, momentary close), The kit also includes our custom alignment tool and 2 short CAT5 cables for testing the system. This system utilizes micro servos and custom mounting brackets for accurate alignment and easy installation. The following pages show details about the kit and its technical specifications



## Product Overview

Although small, this product controls up to 8 turnouts and is used in conjunction with our supplied breakout boards. It is the most flexible way to implement a turnout control solution without the need to solder resistors to LEDs or figuring out what buttons you need to provide to work with the

system. You have everything you need to design and enjoy making your own custom control panel and LEDs and our system controls them seamlessly. You supply the LEDs you want to use (any single-color LED for Normal and another single-color LED for Reverse aspects. Pushbuttons used are Normally open/momentary close. These materials are commonly used and inexpensive available from many sources.

## Key Features

- Slow motion action: Our solution provides slow motion movement of the turnout very similar to the way real railroads operate.
- Freemo Support: Our controller supports 2 sets of outputs providing the ability to have all of the 8 turnouts controlled from either side of a Freemo table. It supports two sets of breakout boards so you can create 2 custom displays on either side of your table.
- Simplified Power: Provide a single 12VDC/AC supply and you can expand your layout up to 5 EZTronic controllers for a total of 40 turnouts without the need for any other power supplies
- Goof-proof Installation: With our custom alignment tool you can align each servo bracket precisely where it needs to be installed from either the top or bottom of your layout. No more guessing if you are aligned correctly for smooth and consistent operation.
- Easy wiring: Whether you are installing plastic frogs or metal frogs, all wiring has been thought through and all power is provided by our controller. All servo power and relay power are provided directly from our board.
- Mounting case: Every EZTronic product comes with an easy to mount plastic case. The case provides an easy way to mount the controller and help protect it from accidental damage.
- Durable design: Built to last, our Controller is crafted from high-quality materials to withstand the demands of regular use for years to come.
- Adjustable height: Your layout may use ¼” wood or ½” plywood, or even ¾” wood roadbed. Our servo bracket can support three different mounting heights to match the height of your table or layout so you get consistent performance at each turnout.

## Technical Specifications

- Input Voltage: 12VDC or 12VAC
- Servo power: Provided by the controller
- Relay power: Provided by the controller
- Micro Servo interface: Provided by the EZTronic controller software
- Control Interface: EZTronic simplified wiring interface using (2) CAT-5 cables. No soldering is required whatsoever for installing the supplied Breakout boards. You get the freedom to select and purchase your own LEDs and pushbuttons that you find most suitable for your table(s) or layout.
- Controller Dimensions: 4” x 3”
- Breakout-LED dimensions: 4 ¼” long x 1 5/8” wide by 1” high
- Breakout-Pushbutton dimensions: 4 ½” long x 1 ¼” wide x 1” high

- EZTronic Part Number: EZ-HO-Custom Turnout Kit (includes (1) Breakout-LED, board,(1) Breakout-Pushbutton board, 2 CAT5 testing cables and our unique custom alignment template)