

The Precision Servo Motor is a high-performance and noiseless actuator, introduced by ESU, suitable for the SwitchPilot decoders. It uses a highly-developed remote control (RC) technique and is perfectly suited for setting in motion all kinds of scenes on your layout. ESU has put all the experience gained with the previous servo motor into the new Precision version, which is better than other servo products, to offer a solution for all the demands of model railroaders.

Applications

The most important application regarding the Precision Servo Motor is to throw points. With the help of the Precision Servo Motor you are able to move your model railway switches like the original ones: the switch blade moves slowly and powerfully from one position to another.

While doing this the Precision Servo motor works almost noiselessly due to the precision gearing made of long-lasting plastic. It is mere child's play to motorize railway crossings via the Precision Servo motor and the SwitchPilot Servo. At last you can let the gates down at your keyboard in due time. Furthermore the Servo motor enables you to open and close the doors of your engine shed by remote control. Thanks to its new electronics the ESU Precision Servo Motor moves considerably smoother than other servos, as the ESU product has been optimized for slow motions.

Mini servo

The most important component of the Precision Servo Motor is a tiny, 9-gram-light mini servo which has been specially developed and optimized for all demands of a model railway layout. Despite its small dimensions of only 26 mm x 13 mm x 24 mm, it reaches a power of up to 1.0 kg/cm. Its cable length of 30cm (almost twice as long as cables of other standard servos on the market) allows for a longer distance between the servo motor and decoder. Beyond that, an electronic processor-controlled servo enables a precise heading for the required position without bucking - very important for garage doors. The closed current requirements of the electronics have been mottled compared to the previous servo motor which preserves the decoder. However, one of the most important improvements of the new Precision Servo Motor has to do with the switching-on: The well-known tremor when switching on the layout, which occurs with a lot of conventional RC-servos, is 100% choked during every operation mode. You will hear absolutely nothing from the servo when switching your layout on, no railway crossing will bounce.

Accessories

To make the application of the Servo motor as easy as possible, we include substantial accessories with delivery, which are especially adjusted to our customers' needs: among some, diverse control horns, there is a special servo horn for a direct insert of the controlling wire. The controlling wire is, of course, included as well as the mounting screws. The most important accessory is a special servo holder: it enables you to install the Servo Motor either horizontally or vertically - depending on the application.

Ordering information

Art.No.	Description
51804	Servo Motor, precision mini-servo, micro-controlled with plastic gearing, incl. mounting kit