



ER-40, ER-40R Manual

Thank you for purchasing the ER-40 Retract. The most precise and sophisticated retract in the market. Electron Retracts has been developing since 2007 a system able to operate only with electric power, in order to eliminate compressed air into the models (that cause many problems like complex circuits, heavy valves, pressure loss, Retracts blocked etc ...). Its development has involved highly qualified professionals in this field, and sophisticated machines were used to perform such complex pieces, as the well-known main body that characterizes retracts of Electron Retracts.

The most visible feature of retracts of Electron Retracts is the main body, which is machined from a solid aircraft aluminum 7075. This powerful and lightweight body houses inside a sophisticated and accurate mechanical system composed of a spindle, mounted between bearings, whereby a cart is moved to activate the core, which is coupled to the strut. This spindle and the powerful body give a unique stability to the group. This sophisticated system is complemented by light and reliable electronics designed and manufactured by Gaspar Espiell (Xicoy). The electronics detects the final positions by increasing intensity, and the system is mechanically locked in both ends, so any load affects the spindle at landing.

Warranty:

The warranty period of the ER-40 is 2 years from the date of purchase. The warranty is valid only for the original owner, and is not transferable after sale.

The warranty includes repair or replacement (if necessary) and is limited to defects in materials and manufacture.

Retracts Electron is not responsible of retracts or electronic devices that have been manipulated by the client. For any damage, consult info@electron-retracts.com email, and send the train to the factory for inspection, repair or replacement.

Installation:

Installation is relatively simple. The Retracts have 4 holes for screws of 4 mm in diameter, and its installation is similar to any standard retract. An advantage of the electric retract is that installations or complex valves air circuits are unnecessary. The Retracts are supplied with a 1m long cable which is directly connected to the electronics. If the cable is not long enough, it should be extended with the correct polarity. It should not be installed on models over 16kg. Although the system is calculated with a large safety margin, exceeding this weight may lead to breakdowns in the system.

Maintenance:

Like any mechanical system, it requires minimal maintenance to ensure long product life. It is recommended to clean and lubricate the spindle every 5-10 days of flight, or more often if you fly on a dirt runway. A small stone on the spindle may cause that the electronics stop the retract before reaching the point of mechanical lock, which would cause significant damages during landing.

Electron Retracts, have a qualified technical service to repair any failure in the system. If your system is damaged, contact the technical service: technicalservice@electron-retracts.com to agree on costs, shipping and instructions.