

# RD7 ROTARY ACTUATOR TO AUTOMATE CHANGEOVERS WIRELESSLY

**The RD7 rotary actuator from Lika Electronic mixes the benefits of automatic changeovers and adjustment operations with the advantages of wireless technology.**

It makes production processes more flexible and efficient, shortens changeover times, cuts costs, reduces downtime, and minimizes the risks of error and waste material.

**The RD7 easily replaces manual handwheels and position indicators,** such as for the modernization of existing facilities. In addition, it reduces installation issues by eliminating the need for signal wiring and makes it easier to program and control the actuator network remotely. An alternative RS-485 wire communication (Modbus RTU compliant, cable and connector output

options) is available on request.

**The RD7 rotary actuator integrates a motor, encoder, controller, and antenna in the same package,** yet it is very compact and takes up less space than ordinary manual handwheels and position indicators. The robust enclosure is dustproof and waterproof and provides an IP65 protection rate. The through hollow shaft has a diameter of up to 20 mm (0.787 inches). Adapter flanges, reduction sleeves, and high-torque adapters can be supplied to meet individual installation requirements.

The RD7 is also equipped with a diagnostic LED and some buttons for setup and jog functions and can be further available with a 7-segment display. The wireless connection offers additional benefits.

It eliminates the need for communication cables, reducing installation costs.

By using a single 2.4 GHz wireless transmission transceiver with DIN rail mounting compatibility, it is possible to control simultaneously and remotely up to 32 units in the same network, as well as to acquire production data and diagnostic information.

The transceiver is PLC compatible and can be CC-Link and EtherNet/IP compliant as well. A software tool is supplied free of charge for such needs. It has been developed to configure all the units connected to the network via wireless communication and to store their work parameters into up to 100 setup recipes. As communication cables are not required, the small footprint enables the units to be easily installed in places that are hard or dangerous to reach, such as high places, or where it is difficult to run the wires.

A variety of transceivers, repeater hubs, and cables are available to enable an easier connection and reduce the electrical work.

**Typical application sectors of the RD7 positioning unit are changeovers in packaging and bottling lines, filling machines, pharmaceutical equipment, and food processing machinery.**

As previously stated, it is also ideally suited for the replacement of handwheels and position indicators when retrofitting outdated plants.

