

# INNOVATION

**SPOTLIGHT** from the brands of Altra Industrial Motion Corp.



## UNIQUE PROGRAMMABLE WARNER LINEAR ACTUATOR PROVIDES ENHANCED CONTROL FLEXIBILITY AND QUIETER OPERATION

Warner Linear, a global leader in the design and manufacture of electric actuators and controls, recently introduced the programmable S-Track actuator for general duty applications including conveyor diverter arms, light commercial and industrial, medical, turf & garden and recreational vehicles.

The innovative S-Track actuator is available with a mounted membrane keypad which allows users to change both end limit stop locations and program two additional stops if needed. Some competitive actuators offer programmable stop positions which require the customer to plug in a separate hand held control. Warner Linear is the only manufacturer to provide adjustable control integrated into the actuator.

The S-Track also has an integral MP150 Metri-Pack 8-pin molded connector that allows for several standard input and output features to monitor the operation of the actuator. The current and temperature of the motor are monitored at all times and power is removed from the motor when limits are exceeded to protect components from failure.

### MEETING THE FLEXIBILITY CHALLENGE

A large packaged food manufacturer needed reliable linear actuators that could quickly reset conveyor system diverter arm positions based on frequent carton size changes. Previous actuators required lengthy set up times to reset diverter arm opening widths and stops, which negatively impacted productivity.



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Warner Linear Programmable S-Track actuators were chosen to meet the requirements of this fast-paced, high-changeover production application. The easy-to-use, integrated keypad allowed operators to set and reset end of travel positions, as well as two intermediate stops, in response to changing carton sizes. Feedback range automatically adjusts to new end position settings.



Enhanced control allows for 12 or 24 VDC switched power operation of the S-Track actuator by turning power off to the motor automatically when the internal end limits are reached.

S-Track actuators feature a <56dB noise level, 400 lb. max. dynamic and 700 lb. static load ratings, 0.25"/sec. (1" /sec. no load) speed rating, and a 16" max. stroke length with end-of-stroke limits. Models are available with aluminum or engineered plastic housings.

An array of actuator controls is also available from simple-to-use switch box controls for basic extend/retract function to state-of-the-art microprocessor-based digital electronic controls using SMT design and manufacturing processes.