



Product

I-Track Electric Actuators

Application

Transit Bus Doors

Highlights

- In-line design fits narrow footprint requirement
- Up to 200 lbs. (90kg) load capacity
- Release clutch allows for easy manual operation if needed

A leading U.S. manufacturer of metro transit buses needed a reliable electric linear actuator solution for a new line of buses. The actuators are used to operate the two sets of bi-fold doors on each bus. The challenge was that the actuator needed to fit in a very tight space envelope. A clutch design was also required that would automatically and quickly open the doors in the case of an obstruction.

The Warner Linear I-Track actuator, featuring an in-line design, was an ideal choice for this application since a parallel motor type actuator would not fit in the limited space available.

The I-Track also features a release clutch which allows the actuator rod to float in an emergency when power is cutoff. When the electromagnetic clutch is disengaged, less than 5 lbs. of force is required to open the bus doors. The clutch also provides overload protection.

The I-Track has a load capacity up to 200 lbs. with nitrile impregnated gaskets for superior sealing and Nitrotec[®]-coated steel components for enhanced corrosion resistance. Models feature a ball screw for long life, a steel rod for durability and are IP66 rated.

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