

SYSTEM CONFIGURATION

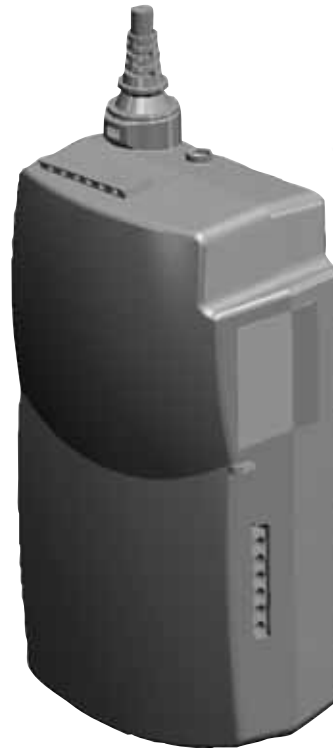
The Duff-Norton linear actuator system will allow you to control up to four linear actuators independently. A Duff-Norton linear actuator system includes linear actuators, a controller and a hand set for operation.

System applications can include agricultural machinery, industrial automation and outdoor power equipment.

TC1 CONTROL BOX

Features & Benefits

- IP66 protection for outdoor applications
- Actuators with self-locking ACME screw
- Easy assembly with plug and play technology
- Temperature Range: -13°F (-25°C) to 150°F (65°C)
- LED for power supply indication on the controller
- Electronic Overload Protection (controller)



Model #	Description	Feature	Feature	Other
see LT models	Actuator	24 VDC models only	non-feedback models only	any capacity or stroke length
TC1-2241-1221	Controller	120 VAC power in - 82" cord	24 VDC power out	1 per system
LTEC	Actuator extension cable	40" approx length	2 prong terminal and 6 pin round connector ends	1 per actuator
see next page	Handset	partial coiled wire	extends to approx 7 foot length	1 per system

Please do not exceed 10% of 2 minutes continuous use duty cycle with these systems. Exceeding these rates might result in a temporary suspension of service. The system should operate again after a brief cooling period.

The LTEC Cable kit is recommended for each actuator. One end of the cable kit attaches to the actuators "pigtail" wire connection, the other end has a terminal fitting which plugs into the control box/power supply.

One Linear Actuator System



Two Linear Actuator System



Three Linear Actuator System



Four Linear Actuator System



SYSTEM CONFIGURATION

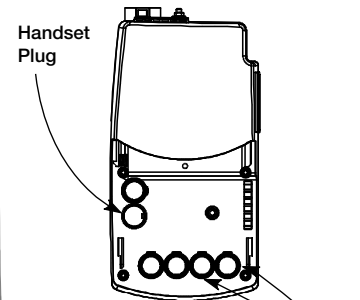
The Duff-Norton linear actuator system will allow you to synchronize two linear actuators and control up to another two linear actuators independently. A Duff-Norton linear actuator system includes linear actuators, a controller and a hand set for operation.

System applications can include agricultural machinery, industrial automation and outdoor power equipment.

TC1 CONTROL BOX

Features & Benefits

- Ability to synchronize two linear actuators using hall sensors
- IP66 protection for outdoor applications
- Actuators with self-locking ACME screw
- Easy assembly with plug and play technology
- Temperature Range: -13°F (-25°C) to 150°F (65°C)
- LED for power supply indication on the controller
- Electronic Overload Protection (controller)



When using 2 "H" synchronized actuators, they must be plugged into the 2 holes on the box' right hand side as shown.

Model #	Description	Feature	Feature	Other
see LT models	Actuator	24 VDC models only	Hall Sensor models only (add H suffix to part #)	any capacity or stroke length
TC1-2241-1221	Controller	120 VAC power in - 82" cord	24 VDC power out	1 per system
NA	Actuator extension cable 40"	Not needed	Not needed	Not needed
see next page	Handset	partial coiled wire	extends to approx 7 foot length	1 per system

Please do not exceed 10% of 2 minutes continuous use duty cycle with these systems. Exceeding these rates might result in a temporary suspension of service. The system should operate again after a brief cooling period.

For synchronized operation please select the Hall Sensor models only. Models with no feedback, or the potentiometer may be used for independent operation, and will require the LTEC kit.

Two Synchronized Linear Actuator System



Two Synchronized Linear Actuators plus one independently operated Linear Actuator



Two Synchronized Linear Actuators plus two independently operated Linear Actuator

