

Features

- Self locking Acme screw
- Internal, non-adjustable limit switches
- IP66 Sealing
- 25% allowable duty cycle
- -25° to 65°C (-13° to 150°F) operating temperature



Specifications

Model #	DC Voltage	Rated Load		Speed at Rated Load		Speed at No Load		Full Load Amps
		Newtons	lbs.	mm/sec	in/sec	mm/sec	in/sec	
LT25-1-*	12	120	27	33	1.3	44	1.7	2.5
LT25-2-*	24	120	27	32	1.3	44	1.7	1.5
LT50-1-*	12	240	54	22.5	0.9	32	1.3	3.5
LT50-2-*	24	240	54	23.6	0.9	32	1.3	2.0
LT100-1-*	12	500	112	12	0.5	16	0.6	3.5
LT100-2-*	24	500	112	13	0.5	16	0.6	2.0
LT150-1-*	12	750	169	8	0.3	10	0.4	3.5
LT150-2-*	24	750	169	9	0.4	10	0.4	2.0
LT225-1-*	12	1000	225	6	0.2	8	0.3	3.5
LT225-2-*	24	1000	225	6.5	0.3	8	0.3	2.0

* = Stroke in millimeters

Installation & Operating Instructions

1. Application

The LT series actuators are intended for industrial use only and should not be used to lift, support, or otherwise transport people or loads over people. The actuator is designed for lifting or pushing loads no more than its load rating, on an intermittent basis, not for applications requiring continuous operation. The actuator is designed for clevis mounting and cannot support side loading of the tubes. The actuator is not suitable for use in areas containing explosive dust, vapors, or gases.

The actuator translating tube is keyed to prevent rotation; however, external torques should not be applied to the actuator, as this could result in un-screwing of the tube from the actuator.

2. Installation

The actuator should be connected with a 1/4 inch (6.35 mm) steel clevis pin at each end. If using a threaded fastener, be sure that the screw has an unthreaded shank long enough to extend through the actuator clevis.

3. Wiring

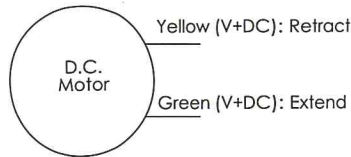
All electrical connections are made to the pigtail cable. Refer to the diagrams following for standard models, with and without potentiometer. End of travel limit switches are internally connected and non-adjustable. Motor reversal requires use of a DPDT -center-off switch.

The optional 10K ohm potentiometer may be excited with up to 24 vdc to provide a proportional feedback voltage for various electronic position indicators or controls.

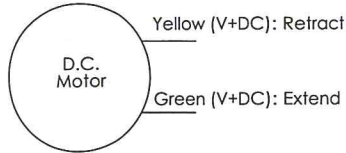
When supplied with optional suffix "C" plug, LT series actuators may be plugged directly into Duff-Norton LC series controllers, eliminating the need for additional power supplies or switches. See the LC controller catalog for applications.

For non-stock options, including Third Limit Switch, Signal-sending Limit Switch, and Hall Effect Pulse Generator, contact Duff-Norton for appropriate wiring diagram.

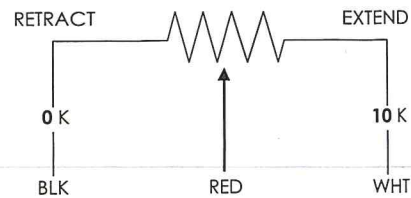
Standard Model



Potentiometer Model



Potentiometer Stroke mm(in.)	50 [1.97]	100 [3.94]	150 [5.91]	200 [7.87]	250 [9.84]	300 [11.81]
POT Travel (% of 10K)	47%	94%	71%	94%	39%	47%



DUFF-NORTON ELECTROMECHANICAL ACTUATOR LIMITATION OF WARRANTIES, REMEDIES AND DAMAGES

The warranty stated below is given in place of all other warranties, express or implied, of merchantability, fitness for a particular purpose or otherwise. No promise or affirmation of fact made by any agent or representative of seller shall constitute a warranty by seller or give rise to any liability or obligation.

Seller warrants that on the date of its delivery to carrier the goods are free from defects in workmanship and materials.

Seller's sole obligation in the event of breach of warranty or contract or for negligence or otherwise with respect to goods sold shall be exclusively limited to repair or replacement, f.o.b. seller's point of shipment, of any parts which seller determines to have been defective or if seller determines that such repair or replacement is not feasible, to a refund of the purchase price upon return of the goods to seller.

Any action against seller for breach of warranty, negligence or otherwise must be commenced within one year after such cause of action accrues.

No claim against seller for any defect in the goods shall be valid or enforceable unless buyer's written notice thereof is received by seller within one year from the date of shipment.

Seller shall not be liable for any damage, injury or loss arising out of the use of the goods if, prior to such damage, injury or loss, such goods are (1) damaged or misused following seller's delivery to carrier; (2) not maintained, inspected, or used in compliance with applicable law and seller's written instructions and recommendations; or (3) installed, repaired, altered or modified without compliance with such law, instructions or recommendations.

Under no circumstances shall seller be liable for incidental or consequential damages as those terms are defined in section 2-715 of the uniform commercial code.

⚠ WARNING ⚠

The equipment shown in this catalog is intended for industrial use only and should not be used to lift, support, or otherwise transport people unless you have a written statement from Duff-Norton, which authorizes the specific actuator used in your applications as suitable for moving people.

NOTE

Duff-Norton has made every effort to ensure that the information contained in this publication is accurate and reliable. Determining the suitability of our products for specific applications is the user's responsibility.



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