Actuator Specification & Installation instructions

Old Number

BT160

BT180

BT260

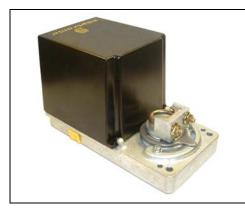
BT280

BBTHV1160A

BBTHV1180A

BBTHV1260A

BBTHV1280A

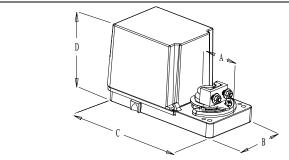


Feature:

- Mounts easy on round & square shaft (with option –8).
- Power supply high voltage 120 or 240 VAC.
- External clutch for manual adjustments.
- Maintenance free.
- Position indicator.
- Fail safe by Enerdrive System¹
- Auxiliary switches (on model 180 & 280).

Technical Data	BT160 BBTHV1160A	BT180 BBTHV1180A	BT260 BBTHV1260A	BT280 BBTHV1280A
Auxiliary switches	No	Yes (2)	No	Yes (2)
Power supply	110 to 130 VAC 50/60Hz		220 to 250 VAC 50/60Hz	
Fail safe - Enerdrive	Yes			
Power consumption	8VA Peak, 5VA			
Control signal	2 wire / 2 position			
Running time through 90°	20 to 35 sec Torque dependant			
Torque	50 in.lb. [5,6 Nm] at rated voltage			
Electrical connection	18 AWG [0.8 mm ²] minimum			
Inlet bushing	2 inlet bushing of 5/8 in [15.9 mm] & 7/8 in [22.2 mm]			
Angle of rotation	0 to 90 degrees, mechanically adjustable (factory set with 90° stroke)			
Direction of rotation	Reversible, Clockwise (CW) or Counterclockwise (CCW) (factory set with CW direction)			
Ambient temperature	-22°F to +122°F [-30°C to +50°C]			
Storage temperature	-22°F to +122°F [-30°C to +50°C]			
Relative Humidity	5 to 95 % non condensing.			
Ingress protection	IP22 equivalent to Nema type 2			
Weight	3 lbs. [1.4 kg]			
	Warning: Do not pre	ess the clutch when	actuator is powered	

Dimensions



Dimension	Inches	Metric (mm)
Α	1.50	38.1
В	3.26	82.8
С	6.60	167.5
D	3.72	94.5

Caution

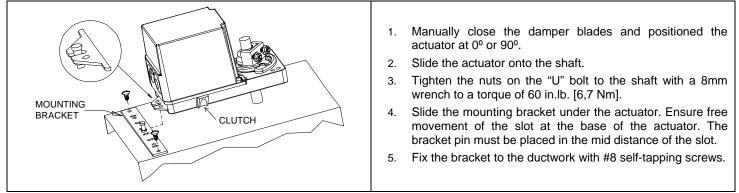
We strongly recommend that all neptronic® products be wired to a separate transformer and that transformer shall service only neptronic® products. This precaution will prevent interference with, and/or possible damage to incompatible equipment.

When multiple actuators are wired on a single transformer, polarity must be observed. Long wiring runs create voltage drop which may affect the actuator performance.

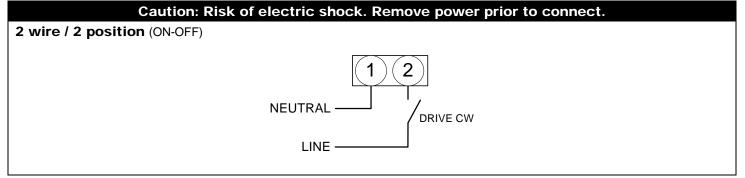
¹ Enerdrive System U.S.A. Patent #5,278,454



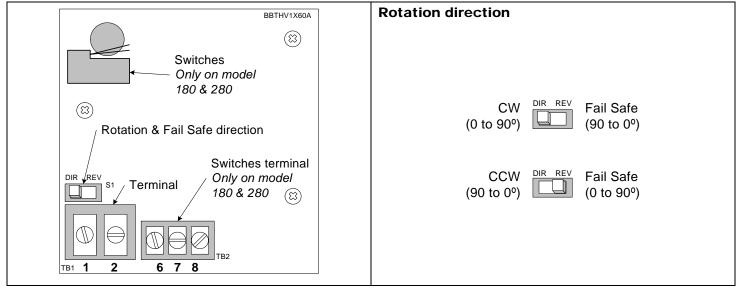
Mechanical installation



Wiring Diagrams



PC Board



Stroke adjustment

To adjust the stroke, move the adjustment screws at the desired position.