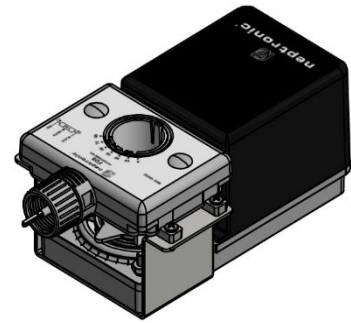


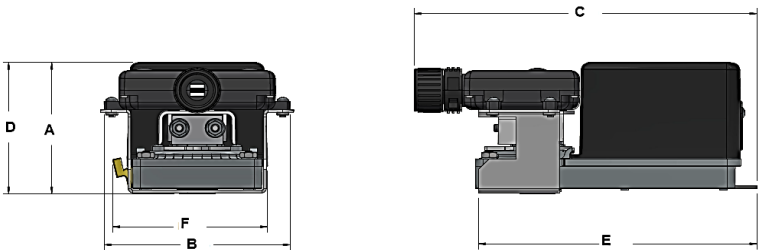
### Models

FD5-B: Feedback potentiometer for B, D, and S actuators.

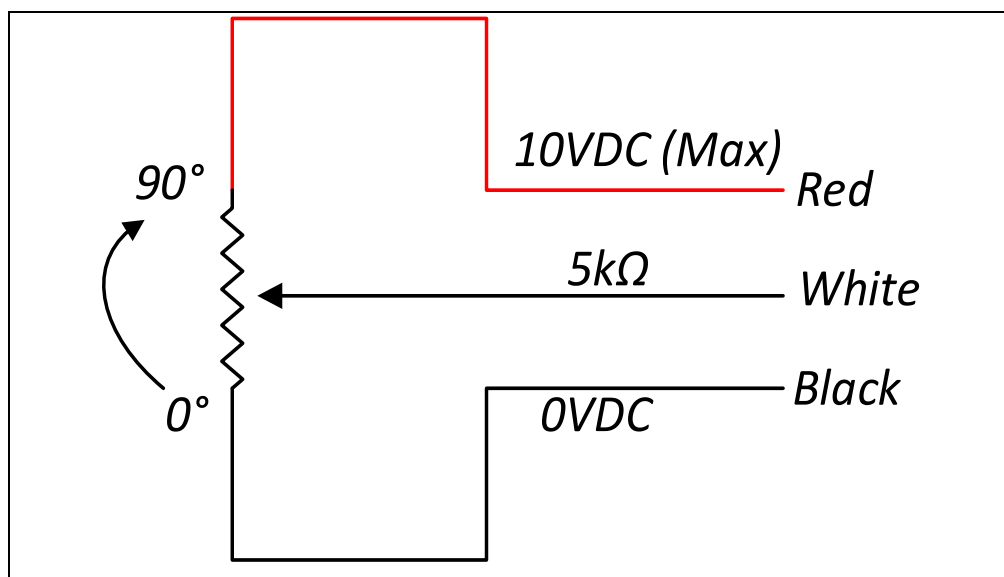


FD5-B

### Technical Specification

Description	FD5-B
Actuator Compatibility	Neptronic B, D, and S series actuators
Power Supply	10 VDC maximum
Electrical Connection	Cable 39.5" (1m), 3 x 18AWG, FT1 with ½" conduit connector
Resistance	5 kΩ (Tol. +/- 30%)
Purpose and Action of Control	Type 1 operating control
Construction of Control	Independently mounted, accessory
Pollution Degree	2
Impulse Voltage	800V
Dimensions A = 3.2" (81mm) B = 4.3" (109mm) C = 8.0" (203mm) D = 3.2" (81mm) E = 6.5" (165mm) F = 3.6" (91mm)	

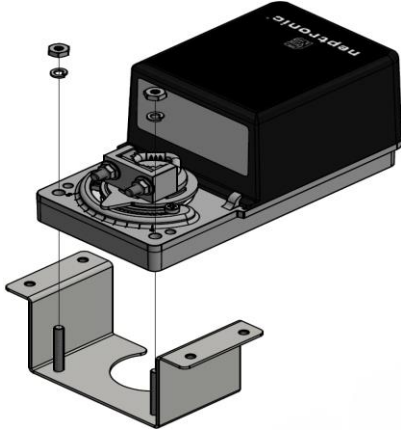
### Wiring Diagram



### Mounting Instruction

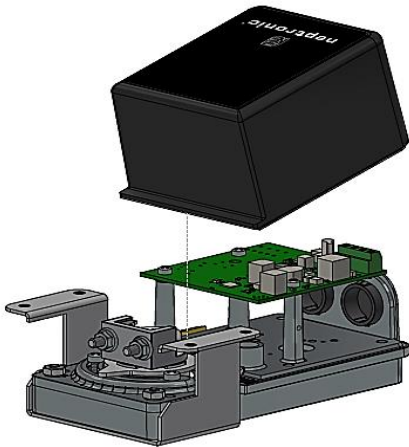
#### Step 1: Bracket Installation

1. Insert the PEM studs through the designated holes on the front of the actuator.
2. Secure the bracket in place using lock washers and nuts (supplied) on both PEMs



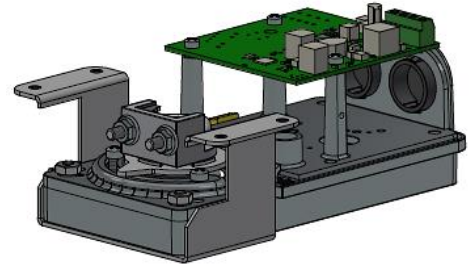
#### Step 2: Remove Cover

Once the bracket is secured, remove the actuator cover to access the internal electronics.



#### Step 3: Wiring and DIP Switch Configuration

1. Connect the control cable to the appropriate terminal.
2. Adjust the DIP switch settings as required

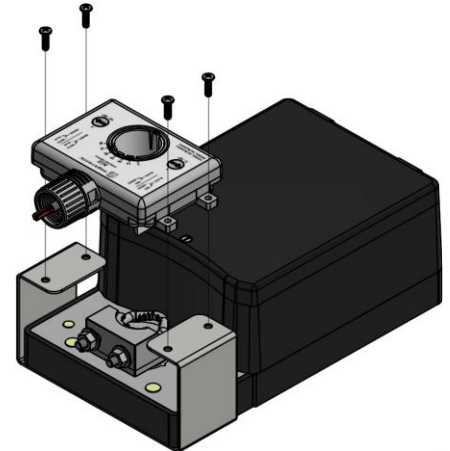


#### Step 4: Reattach Cover

Position the cover so that screw holes align with the housing.

#### Step 5: Mount FD5

1. Using the four screws (supplied), secure the FD5 onto the bracket.
2. Ensure that the FD5 adaptor is properly aligned with the actuator adaptor.



Recycling at end of life: please return this product to your Neptronic local distributor for recycling. If you need to find the nearest Neptronic authorized distributor, please consult [www.neptronic.com](http://www.neptronic.com).