
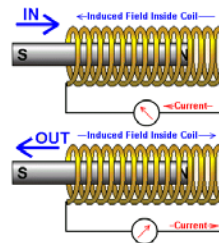


O-600 SOLENOID

Required knowledge Ohm's Law, Solenoid

	<p>Solenoid actuator</p>
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Solenoids are inductive components that can induce a relative powerful and fast but limited mechanical movement. The movement can be linear or rotating and some solenoids can pull while others will push.

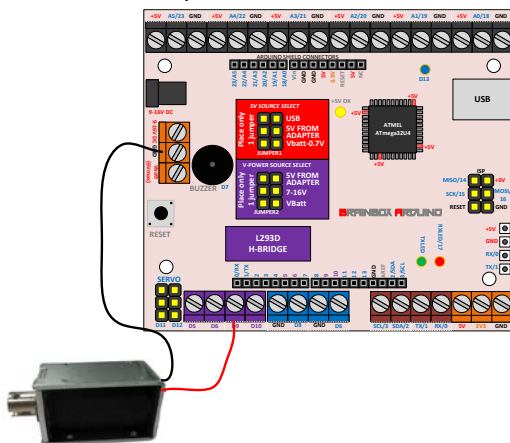


Solenoid	Own choice or Farnell: 2008790
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- Connect the solenoid to an external power supply and determine these things:
 - What is the working voltage of this solenoid 5V, 9V, 12V?
 - How much current does this solenoid draw from the supply? (should be less than 600mA else choose for a Relay or Mosfet)
- Put jumper 2 in the correct position

Valve voltage	Adapter voltage	Jumper 2 position
5V	9V of 12V, ...	5V from adapter
9V	9V	7-16V
12V	12V	7-16V

- Connect the solenoid between one of the outputs of the L293 (D5, D6, D9, D10) and the GND of the Brainbox. This way we can drive 4 solenoids with the Brainbox.



3. Use the programming sequence: **'0-600'** and make pin D9 high when you want the solenoid to be activated. Make pin D9 low when you do not want the solenoid to be activated.