Pneumatics

Overview

The pneumatics system will provide a means for controlling actuators within the submarine such as the claw, torpedos, and marker droppers. Pneumatics are controlled via simple on-off commands to the pneumatic in the form of high and low voltages.

Design

A microcontroller will be utilized as a GPIO expander and will be implemented as a ROS node on the microcontroller itself. This node will subscribe to a topic to control actuators based on boolean values.

Resources

Part	Description	Datasheet
ATMega1284P	Microcontroller to be used on the project.	Datasheet

From:
http://robosub-old.eecs.wsu.edu/wiki/ - **Palouse RoboSub Technical Documentation**

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Last update: **2016/09/22 15:47**