**Functions pneumatic\_commands.h**

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| **Syntax** | void extend(sensor& target) |
| **Purpose** | extend a pneumatic cylinder |
| **Entry Conditions** | * target - the target pneumatic cylinder |
| **Code**  **Example** | //extend the cylinder  extend(cylinder); |

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| **Syntax** | void extend(sensorArray& target) |
| **Purpose** | extend a system of pneumatic cylinders |
| **Entry Conditions** | * target - the target array of pneumatic cylinders |
| **Code**  **Example** | //extend all cylinders in sensor array catapult  extend(catapult); |

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| **Syntax** | void extendFor(int time, sensor& target) |
| **Purpose** | extend a pneumatic cylinder for a desired amount of time |
| **Entry Conditions** | * time - the amount of time to be extended in milliseconds * target - the target pneumatic cylinder |
| **Code**  **Example** | //extend the cylinder for 1 second  extendFor(1000, cylinder); |

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| **Syntax** | void extendFor(int time, sensorArray& target) |
| **Purpose** | extend a system of pneumatic cylinders for a desired amount of time |
| **Entry Conditions** | * time - the amount of time to be extended in milliseconds * target - the target array of pneumatic cylinders |
| **Code**  **Example** | //extend all cylinders in sensor array catapult for 1 second  extend(catapult); |

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| **Syntax** | void retract(sensor& target) |
| **Purpose** | retract a pneumatic cylinder |
| **Entry Conditions** | * target - the target pneumatic cylinder |
| **Code**  **Example** | //retract the cylinder  retract(cylinder); |

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| **Syntax** | void retract(sensorArray& target) |
| **Purpose** | retract a system of pneumatic cylinders |
| **Entry Conditions** | * target - the target array of pneumatic cylinders |
| **Code**  **Example** | //retract all cylinders in sensor array catapult  retract(catapult); |

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| **Syntax** | void retractFor(int time, sensor& target) |
| **Purpose** | retract a pneumatic cylinder for a desired amount of time |
| **Entry Conditions** | * time - the amount of time to be extended in milliseconds * target - the target pneumatic cylinder |
| **Code**  **Example** | //retract the cylinder for 1 second  retractFor(1000, cylinder); |

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| **Syntax** | void retractFor(int time, sensorArray& target) |
| **Purpose** | retract a system of pneumatic cylinders for a desired amount of time |
| **Entry Conditions** | * time - the amount of time to be extended in milliseconds * target - the target array of pneumatic cylinders |
| **Code**  **Example** | //retract all cylinders in sensor array catapult for 1 second  retract(catapult); |