

LCD robot control:

|  |  |  |
| --- | --- | --- |
|  | LCD robot control: | API \_name |
|  |  |  |
|  | Sensor\_value float | inputs |
|  | Direction/int speed char | Output |
|  | 1 | E\_OK |
|  | 0 | E\_NOK |
|  |  |  |
|  |  |  |

DC MOTOR\_ PWM control:

|  |  |  |
| --- | --- | --- |
|  | DC MOTOR PWM: | API \_name |
|  |  |  |
|  | freq\_value/duty cycle int | inputs |
|  | Speed value int | Output |
|  |  |  |
|  | 1 | E\_OK |
|  | 0 | E\_NOK |
|  |  |  |

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DC MOTOR\_DIO :

|  |  |  |
| --- | --- | --- |
|  | DC MOTOR\_DIO | API \_name |
|  |  |  |
|  | Float Sensor\_value | inputs |
|  | Char direction/ int speed | Output |
|  |  |  |
|  | 1 | E\_OK |
|  | 0 | E\_NOK |
|  |  |  |

robot control:

|  |  |  |
| --- | --- | --- |
|  | LCD robot control: | API \_name |
|  |  |  |
|  | Sensor\_value | inputs |
|  | direction | Output |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

DC motor PWM :

|  |  |  |
| --- | --- | --- |
|  | robot control: | API \_name |
|  |  |  |
|  | Float Sensor\_value | inputs |
|  | Char | Output |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

LCD direct\_control:

LCD robot control:

|  |  |  |
| --- | --- | --- |
|  | LCD robot control: | API \_name |
|  |  |  |
|  | Float Sensor\_value | inputs |
|  | Char | Output |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

LCD robot control:

|  |  |  |
| --- | --- | --- |
|  | LCD robot control: | API \_name |
|  |  |  |
|  | Sensor\_value | inputs |
|  | direction | Output |
|  | 0 | E\_OK |
|  | 1 | E\_NOK |
|  |  |  |
|  |  |  |

LCD robot control:

|  |  |  |
| --- | --- | --- |
|  | LCD robot control: | API \_name |
|  |  |  |
|  | Sensor\_value | inputs |
|  | Speed value | Output |
|  |  |  |
| 1 | E\_OK | Return |
|  | E\_NOK |  |
|  |  |  |

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H\_bridge robot control:

|  |  |  |
| --- | --- | --- |
|  | LCD robot control: | API \_name |
|  |  |  |
|  | Float Sensor\_value | inputs |
|  | Char direction | Output |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

LCD robot control:

|  |  |  |
| --- | --- | --- |
|  | LCD robot control: | API \_name |
|  |  |  |
|  | Sensor\_value | inputs |
|  | direction | Output |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

LCD direct\_control:

LCD robot control:

|  |  |  |
| --- | --- | --- |
|  | LCD robot control: | API \_name |
|  |  |  |
|  | Float Sensor\_value | inputs |
|  | Char | Output |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

LCD direct\_control:

LCD robot control:

|  |  |  |
| --- | --- | --- |
|  | H bridge DIO | API \_name |
|  |  |  |
|  | Char direction | inputs |
|  | Char direction | Output |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |