Do cycle (cycle)

Selective reset cycle (numPins, pins)

Send scores (numPins, pins)

Send pinsetter problem (error code)

Ex. Oor, jam

Change power state (Boolean state)

Light (boolean state)

Machine state msg (Boolean state)

Cycle finished msg (cycle)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Code (Sender: PC, Arduino, Both) | Command sent | Action | Arguments | Description |
| DC (PC) | C | Do (C)ycle | Cycle type |  |
| MS (A) | S | Send (s)cores | pins |  |
| ME (A) | E | Send pinsetter (E)rror | Error code (int) |  |
| DP (PC) | P | Change (P)ower state | Boolean on/off |  |
| MP (A) | Q | Machine (P)ower msg | Boolean on/off | State changed by some other source |
| MC (A) | D | (C)ycle finished msg | Cycle type |  |
| DL (PC) | L | Change (L)ight state | Boolean on/off |  |
| ML (A) | M | (L)ight state msg | Boolean on/off |  |
| RS (B) | 0 | Resend last cmd |  | Asks for the last command to be sent again. (if hash code was incorrect or format was incorrect). Will only ask MAX\_FAILED\_ATTEMPTS times. |
|  |  |  |  |  |

Cycles: int

0 – reset pins

1 – respot pins

2 – gutter cycle

3 – selective reset (requires pins argument after)

|  |  |
| --- | --- |
| Error Code # | Meaning |
| 0\* | Out of range |
| 1 | Pin loading timeout |
|  |  |
|  |  |
|  |  |

Nothing after number = fatal. Power off / light off

\* = Light off, power to pinsetter remains on. Cycle halts.

- = Machine remains on. Warning.