

Deligram Locker

Serial Port Protocol Documentation

1. Send Open Command for specific box

Through Serial Port Communication, a string command must be sent with ASCII characters ending with an LF (Linefeed '\n'). An acknowledgement response will be given in reply to ensure successful communication reception.

Following are the commands for box opening instruction:

Box ID	Command String	Response after successful reception
Box1	"deligramA"	97
Box2	"deligramB"	98
Box3	"deligramC"	99
Box4	"deligramD"	100
Box5	"deligramE"	101
Box6	"deligramF"	102
Box7	"deligramG"	103
Box8	"deligramH"	104
Box9	"deligramI"	105
Box10	"deligramJ"	106
Box11	"deligramK"	107
Box12	"deligramL"	108
Box13	"deligramM"	109
Box14	"deligramN"	110
Box15	"deligramO"	111
Box16	"deligramP"	112
Box17	"deligramQ"	113
Box18	"deligramR"	114
Box19	"deligramS"	115
Box20	"deligramT"	116
Box21	"deligramU"	117
Box22	"deligramV"	118
Box23	"deligramW"	119
Box24	"deligramX"	120
Box25	"deligramY"	121
Box26	"deligramZ"	122

2. Box Status Query

command instruction "deligram?" with a LF ending will send a status query request. It will send a response with four bytes. The four bytes will contain status of each individual 26 boxes in every bit. Least significant Bit (LSB) will hold status of Box1.

-	-	-	-	-	-	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	9	8	7	6	5	4	3	2	1	
-	-	-	-	-	-	6	5	4	3	2	1	0	9	8	7	6	5	4	3	2	1	0									

Example:

if "1" is received, then Box1 is open others are closed. (binary: 1)

if "2" is received, then Box2 is open others are closed. (binary: 10)

if "9" is received, then Box1 & Box4 is open others are closed. (binary: 1001)

3. Every time there is a status change of any box lock the status bite will be posted through Serial.