

| DESCRIPTION | CMD | LEN (bytes) | DATA |
|---|------------------|-----------------------|--|
| request Info | i | 0 | |
| send Info | I | 16 | [device_name]:14, [hw_version],[?] |
| request I/O Data | d | 0 | |
| send I/O Data | D | 16 | [In0]:2, [In1]:2, [In2]:2, [In3]:2, [Out0]:2, [Out1]:2, [Out2]:2, [Out3]:2 |
| request Page | p | 2 | [page_num], [section] |
| send Page | P | 26 | [page_num], [section], [page_data]:24 (=12 words) |
| send PageSectionWord | W | | [page_num],[section],[word_offset_in_section],[Page Data InstructionWord]:2 |
| PAGE DATA INSTRUCTION WORD (2-bytes per) | B0 | B1 | |
| <BLANK> | 0x80 | 0x00 | A,B,C = anything |
| if(A,B,C){ | 0x80 | 0x10 | A=(InVAR or OutVAR or TempVAR or CONST), B=(COMPARISON), C=(InVAR or OutVAR or TempVAR or CONST) |
| }else{ | 0x80 | 0x11 | A,B,C = anything |
| } | 0x80 | 0x12 | A,B,C = anything |
| Out[0,1,2,3]=(A,B) | 0x80 | 0x2[Out port] | A=(InVAR or OutVAR or TempVAR or CONST), B=(OutTYPE), C=anything |
| [V0,V1,V2,V3] = A,B,C | 0x80 | 0x3[varNum] | A=(CONST or InVAR or OutVAR or TempVAR), B=(OPERATOR), C=(CONST or InVAR or OutVAR or TempVAR) |
| delay(A) | 0x80 | 0x40 | A=(InVAR or OutVAR or TempVAR or CONST), B=anything, C=anything |
| InVAR | 0xA0 | Port number | 0-3 |
| OutVAR | 0xB0 | Port Number | 0-3 |
| TempVAR | 0xC0 | Temp Var Number | 0-3 |
| CONST | 0xD[high-4-bits] | [low 7 bits] | 0-2048 |
| OPERATOR or COMPARISON or OutTYPE | 0xE0 | op or comp or outType | when operator 0-5: (+, -, *, /, %, +), when comparison 0-5: (==, <, <=, >, >=, !=), when OutTYPE 0-5: (DIG,PWM,TNE,SRV,PWM, TNE) |