IPServ variable list as of V3.02 2012-08-03

|  |  |  |
| --- | --- | --- |
| INDEX | CHANNEL | VARIABLE |
| 1 | 0 | Plot label [1..F] |
| 2 | 1 | Date as CCYY-MM-DD |
| 3 | 2 | Time as HH:MM:SS |
| 4 | 3 | Wind speed |
| 5 | 4 | Wind direction |
| 6 | 5 | Temperature #1 (usually air) |
| 7 | 6 | Temperature #2 (usually enclosure or gas analyzer) |
| 8 | 7 | Temperature #3 (auxiliary) |
| 9 | 8 | Barometric pressure |
| 10 | 9 | Water vapor pressure |
| 11 | 10 | Solar radiation |
| 12 | 11 | Proportional valve – control |
| 13 | 12 | Proportional valve – response |
| 14 | 13 | Gas concentration – ambient plot |
| 15 | 14 | Gas concentration – control plot |
| 16 | 15 | Ambient concentration base value |
| 17 | 16 | Gas concentration – set point |
| 18 | 17 | Plot gas concentration – grab |
| 19 | 18 | Plot gas concentration – 1-minute |
| 20 | 19 | Plot gas concentration – 5-minute |
| 21 | 20 | VVP valve manifold pressure |
| 22 | 21 | Fumigation enabled e.g. by clock |
| 23 | 22 | Fumigation conditions OK e.g. wind speed |
| 24 | 23 | Fumigation on i.e. in progress |
| 25 | 24 | Proportional valve ERROR CHECKS BEGIN HERE |
| 26 | 25 | Gas concentration |
| 27 | 26 | No ambient signal |
| 28 | 27 | DAQC communications |
| 29 | 28 | Fan rotation – treatment |
| 30 | 29 | Fan rotation – control |
| 31 | 30 | Gas supply |
| 32 | 31 | Power supply #1 |
| 33 | 32 | Power supply #2 |
| 34 | 33 | Power supply #3 |
| 35 | 34 | Power supply #4 |
| 36 | 35 | Enclosure temperature |
| 37 | 36 | Wind direction stuck |
| 38 | 37 | Logging to network |

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msg := msg + rlabel[ring]; {0}

msg := msg + ',' + showdate(comd.date); {1}

msg := msg + ',' + comd.time; {2}

fvw (wspeed[ring], 5, 2); {3} {analog}

fvw (wwdir[ring], 3, 0); {4}

fvw (temp1[ring], 5, 1); {5}

fvw (temp2[ring], 5, 1); {6}

fvw (temp3[ring], 5, 1); {7}

fvw (airpres[ring], 5, 1); {BP} {8}

fvw (ph2o[ring], 4, 0); {9}

fvw (solrad[ring], 4, 0); {10}

fvw (propc[ring], 6, 1); {11}

fvw (propresp[ring], 6, 1); {12}

fvw (gcambi[ring], 6, 1); {13}

fvw (gccntl[ring], 6, 1); {14}

fvw (ambient\_base.Integral, 6, 1); {15}

fvw (gcset[ring], 6, 1); {16}

fvw (gcgrab[ring], 6, 1); {17}

fvw (agc1m[ring].Integral, 6, 1); {18}

fvw (agc5m[ring].Integral, 6, 1); {19}

fvw (Pvvp[ring], 3, 1); {20}

fvw (ORD(fumigation\_enabled[ring]),1,0); {21} {Fumigation status}

fvw (ORD(conditional\_ok [ring]),1,0); {22}

fvw (ORD(runon [ring]),1,0); {23}

FOR j := 0 TO 13 DO

fvw (ORD(errseq[ring][j].count>0),1,0); {ERROR CHECKS}

{24} {Proportional valve}

{25} {Gas concentration}

{26} {No ambient signal}

{27} {DAQC communications}

{28} {Fan rotation - treatment}

{29} {Fan rotation - control}

{30} {Gas supply}

{31} {ps01.label\_name}

{32} {ps02.label\_name}

{33} {ps03.label\_name}

{34} {ps04.label\_name}

{35} {Enclosure temperature(s)}

{36} {Wind direction stuck}

{37} {Logging to network}

msg := msg + CHR(13) + CHR(10);