

Relevance sysStatus.0.

Definition from Mib-File:

sysStatus OBJECT-TYPE

```
SYNTAX BITS {
    mainOn (0) ,
    mainInhibit (1) ,
    localControlOnly (2) ,
    inputFailure (3) ,
    outputFailure (4) ,
    fantrayFailure (5) ,
    sensorFailure (6),
    vmeSysfail (7),
    plugAndPlayIncompatible (8),
    busReset (9),
    supplyDerating (10),
    supplyFailure (11),
    supplyDerating2 (12),
    supplyFailure2 (13)
}
```

Bit 1 and bit 2 is not relevant on CML00

There are only two errors for CML00 "fan failure" and "sensor failure"

To Example:

1. Power ON, without error: sysStatus.0 = BITS: 8000 (Hex 8000 equal bin 1000000000000000)

Bit 0	Bit 1	Bit 2	Bit 3	Bit 4	Bit 5	Bit 6	Bit 7	Bit 8	Bit 9	Bit 10	Bit 11	Bit 12	Bit 13	Bit 14	Bit 15
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

2. Power ON, System Reset, without error: sysStatus.0 = BITS: 8040

Bit 0	Bit 1	Bit 2	Bit 3	Bit 4	Bit 5	Bit 6	Bit 7	Bit 8	Bit 9	Bit 10	Bit 11	Bit 12	Bit 13	Bit 14	Bit 15
1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0

3. Power OFF, without error: sysStatus.0 = BITS: 1150

Bit 0	Bit 1	Bit 2	Bit 3	Bit 4	Bit 5	Bit 6	Bit 7	Bit 8	Bit 9	Bit 10	Bit 11	Bit 12	Bit 13	Bit 14	Bit 15
0	0	0	1	0	0	0	1	0	1	0	1	0	0	0	0

Bit 3 is essential! The following bits (7, 9, 11) are follows errors and not relevant.

4. Power OFF, with error (fan failure): sysStatus.0 = BITS: 1550

Bit 0	Bit 1	Bit 2	Bit 3	Bit 4	Bit 5	Bit 6	Bit 7	Bit 8	Bit 9	Bit 10	Bit 11	Bit 12	Bit 13	Bit 14	Bit 15
0	0	0	1	0	1	0	1	0	1	0	1	0	0	0	0

Bit 5 is essential! The following bits (7, 9, 11) are follows errors and not relevant.

5. Power OFF, with error (sensor failure): sysStatus.0 = BITS: 1350

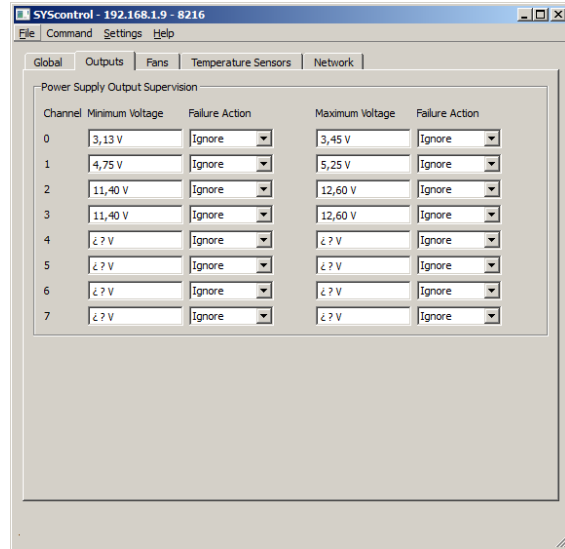
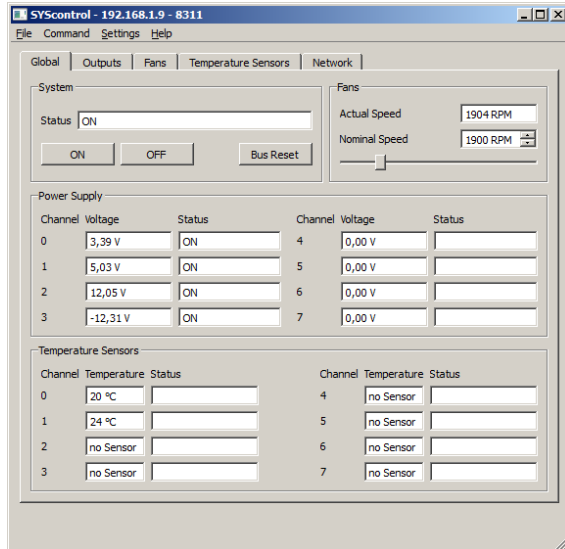
Bit 0	Bit 1	Bit 2	Bit 3	Bit 4	Bit 5	Bit 6	Bit 7	Bit 8	Bit 9	Bit 10	Bit 11	Bit 12	Bit 13	Bit 14	Bit 15
0	0	0	1	0	0	1	1	0	1	0	1	0	0	0	0

Bit 6 is essential! The following bits (7, 9, 11) are follows errors and not relevant.

Monitoring power supply

Power supply can be monitored at min or max voltage.
Default is "ignore", other setting is "all off"

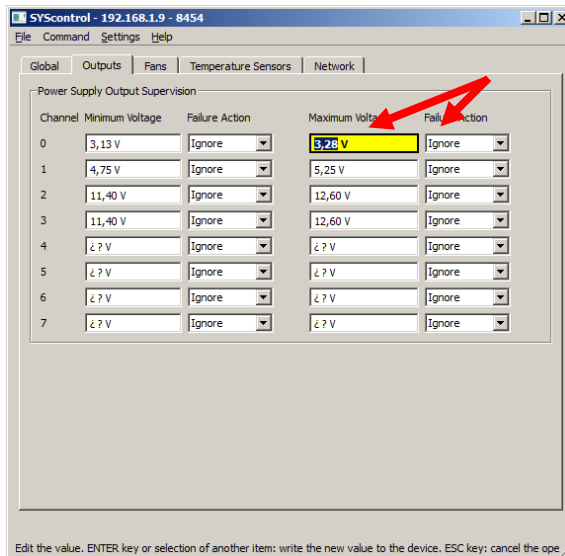
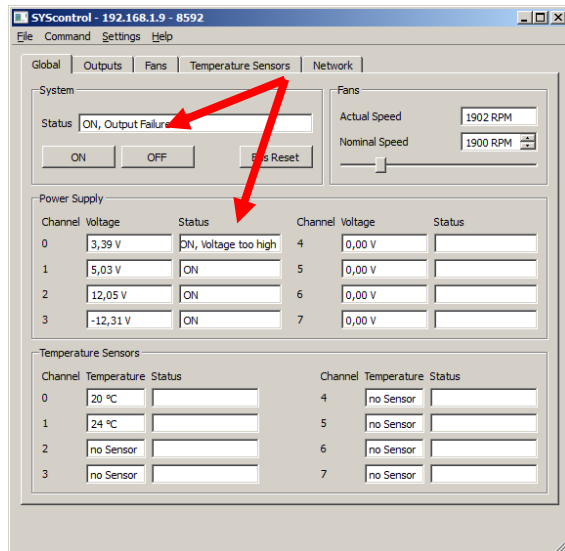
System On, no errors



System On, no errors

```
sysStatus.0 = BITS: 80 mainOn(0)
outputStatus.u0 = BITS: 80 outputOn(0)
outputStatus.u1 = BITS: 80 outputOn(0)
outputStatus.u2 = BITS: 80 outputOn(0)
outputStatus.u3 = BITS: 80 outputOn(0)
```

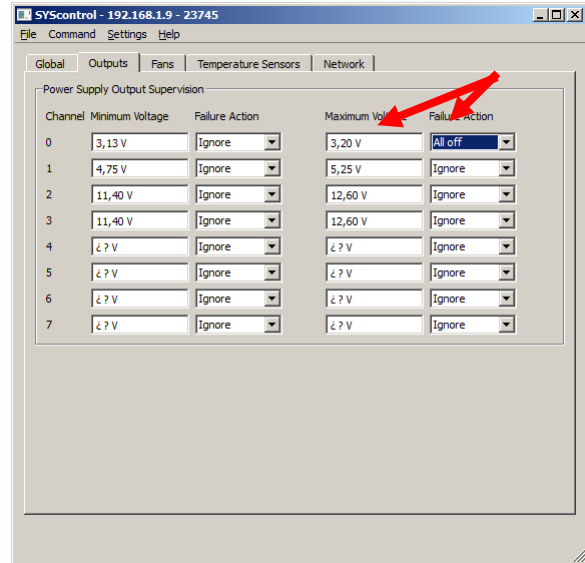
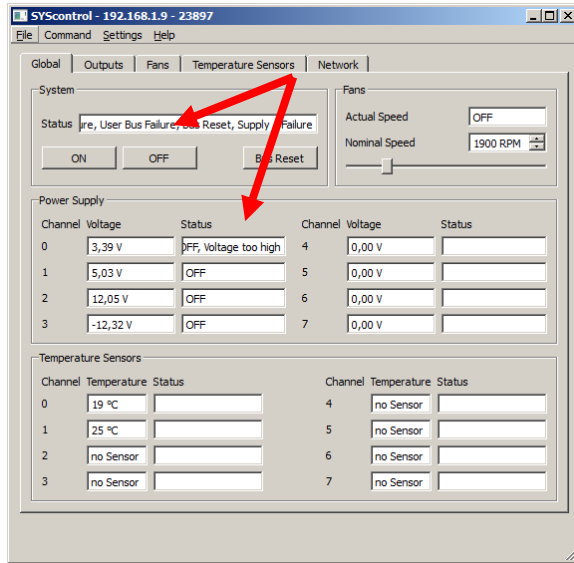
System ON, max voltage overrun, error (setting "ignore")



System On, max voltage overrun, error

```
sysStatus.0 = BITS: 88 mainOn(0) outputFailure(4)
outputStatus.u0 = BITS: 90 outputOn(0) outputFailureMaxSenseVoltage(3)
outputStatus.u1 = BITS: 80 outputOn(0)
outputStatus.u2 = BITS: 80 outputOn(0)
outputStatus.u3 = BITS: 80 outputOn(0)
```

System OFF, max voltage overrun, error (setting "all off")



System Off, max voltage overrun, error

If power supply voltage supervision active (all off) then the system is shut down if min or max voltage reached.

```

sysStatus.0 = BITS: 19 50 inputFailure(3) outputFailure(4) vmeSysfail(7) busReset(9)
supplyFailure(11)
outputStatus.u0 = BITS: 10 outputFailureMaxSenseVoltage(3)
outputStatus.u1 = BITS: 00
outputStatus.u2 = BITS: 00
outputStatus.u3 = BITS: 00
    
```