



## Step 5 - Configure Alarms in the Controller

### 1. Configure Alarm (User Defined Event Channels) for each Bus

This defines alarm conditions for bus temperature.

Recommended settings are 20°F above ambient temperature and 5 minute delay, approximating 800A (50% capacity) on the buses.

The actual threshold used may need to be adjusted for site conditions if repeated nuisance alarms are generated without any significant loading imbalance detected. Once activated, the UDE alarm will remain active until cleared manually with a Clear Events command.

Example:

<u>Chan</u>	<u>Description</u>	<u>Severity</u>	<u>Duration</u>	<u>Program Line</u>	<u>Latched</u>
U0501	PBD 0101.01 Bus Temp High	PMN	300 (second Duration)	(C708 – C723) > 20	Yes
U0502	PBD 0101.02 Bus Temp High	PMN	300 (second Duration)	(C709 – C723) > 20	Yes
U0503	PBD 0101.03 Bus Temp High	PMN	300 (second Duration)	(C70F – C723) > 20	Yes
U0504	PBD 0101.04 Bus Temp High	PMN	300 (second Duration)	(C70A – C723) > 20	Yes
U0505	PBD 0101.05 Bus Temp High	PMN	300 (second Duration)	C720 – C723) > 20	Yes
U0506	PBD 0101.06 Bus Temp High	PMN	300 (second Duration)	(C70B – C723) > 20	Yes
U0507	PBD 0101.07 Bus Temp High	PMN	300 (second Duration)	(C721 – C723) > 20	Yes
U0508	PBD 0101.08 Bus Temp High	PMN	300 (second Duration)	(C70C – C723) > 20	Yes
U0509	PBD 0101.09 Bus Temp High	PMN	300 (second Duration)	(C722 – C723) > 20	Yes
U0510	PBD 0101.10 Bus Temp High	PMN	300 (second Duration)	(C70D – C723) > 20	Yes
U0512	PBD 0101.12 Bus Temp High	PMN	300 (second Duration)	(C70E – C723) > 20	Yes

Activation of these alarms indicates that a study should be undertaken to determine the loads currently being carried on the inter-cabinet buses and perhaps take some action to minimize them. The spreadsheet "Distributed Architecture Balancer.xls" might assist with this study.

Obtain load readings for the distribution circuits in each cabinet of the system. Fill in all light green shaded fields of the balancer to obtain recommendations of rectifier and/or battery string positioning that might be used to lessen the level of load sharing occurring between cabinets of any specific system.

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## Reference Documents

These documents are available at [www.gecriticalpower.com](http://www.gecriticalpower.com).

<b>Document</b>	<b>Title</b>
107570517	RPM J85501G-1 Product Manual
108327362	GPS Installation Guide
108994645	Galaxy Millennium II Installation and User's Guide
108324765	Galaxy Millennium Product Manual
850046741	Distributed Architecture Balancer

