When setting the Battery Temperature High Threshold Parameter on the Eaton controller, Verify it matches the Operating Temperature of the Batteries being used. This information can be found on the datasheets from the manufacturer.

Data from 2 manufacturers is listed here for reference.

Haze's TEL100F is rated for 122ºF (50 ºC) on the high end of the scale
While Northstar's 100FT is rated up to 149ºF (65ºC)

HAZE

Model No. TEL 100F (12 Volts, 109 Ah at 8 hour Rate to 1.75 vpc)

Specifications

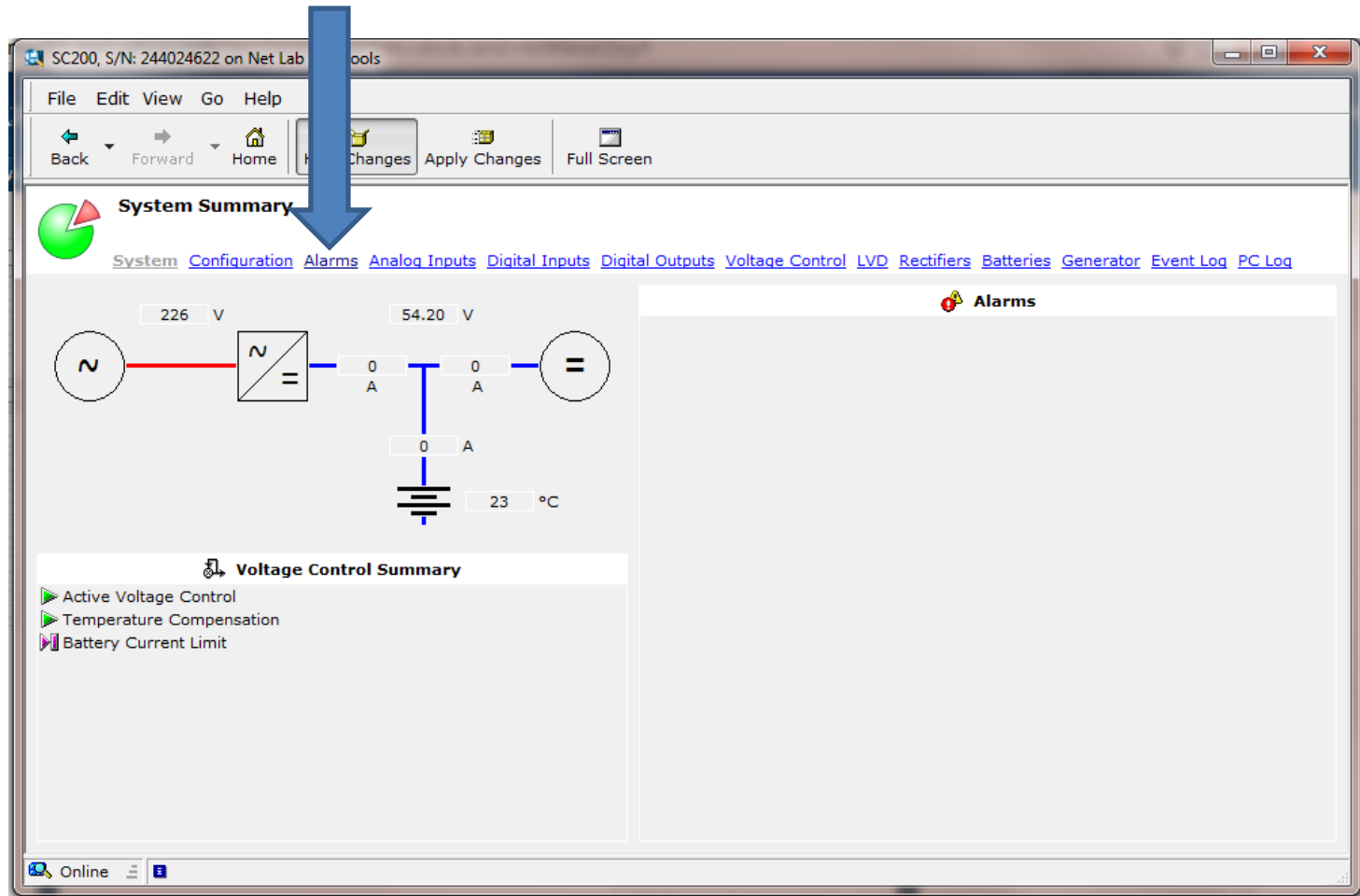|	
Design Life	12 Years
Operating Temperature	-4 ˚F to 122 ˚F
Grid alloy	Calcium / Tin lead alloy
Plates	Flat Pasted
Separator	Absorbant Glass Mat
Active material	Very high purity lead
Charge Voltage	Float 2.27 - 2.30 VPC @77 ˚F Cycliing 2.35 @77 ˚F
	Max. 2.4 VPC Max ripple 0.05C (A)
Electrolyte	Sulphuric acid Analytical grade purity
Venting Valve	EPDM Rubber 1.5 to 2 psi (10.5 - 14 KPa) release pressure. Resealing at 1 psi (7 KPa)
Torque setting	The recommended torque value for all types is 44-62 inch-pounds

NSB 100FT *Red Battery*®

Long float life at elevated temperatures

- Pure lead AGM technology delivers long float life for telecom applications even at elevated temperatures
- 15 year float life at 20℃ (68°F)
- EUROBAT design life definition: Long Life (12+ years)
- High energy density
- Operating temperature range:
  -40℃ to +65℃ (-40°F to 149°F)
- State-of-the-art automated manufacturing ensures consistency and reliability
- Advanced 3 stage terminal design to ensure leak-free operation - female M8 brass terminals provide maximum performance

How to change the Battery Temperature High Threshold Parameter on an Eaton controller with DCTools

1. Click on Alarms

2. Scroll down until you see:
Alarm Configuration and click on the + sign to expand

3. Scroll down to:
Battery Temperature High Threshold
and change it to "50"
The font will change to light gray

4. Click on any of the other parameter windows
i.e. Enable Audible Alarm Indication
(there is no need to change anything else here)
That will make the font for "50" to green

SC200, S/N: 244024622 on Net Lab - DCTools

File   Edit   View   Go   Help

Back   Forward   Home   Hold Changes   Apply Cha...   ...Screen

Alarm Table.

System   Alarms   Smart Alarms   Analog Inputs   Digital Inputs   Digital Outputs

5. Lastly, click on Apply changes

47	LVD1 Characterisation Error	-	Major
48	LVD2 Characterisation Error	-	Major
55	Configuration Error	-	Major
57	Characterising Battery	-	Warning
58	DO Manual	-	Minor

Reset Battery Test Fail

Reset Rectifier Comms Lost

+ Alarm Configuration

Enable Audible Alarm Indication:	Enabled ▼	
Alarm Recognition Period:	10	s
AC Fail Recognition Period:	10	s
Generator Fail Alarm Recognition Period:	60	s
Enable Low Float Tracking:	Enabled ▼	
Low Float Threshold:	52.80	V
Enable High Float Tracking:	Enabled ▼	
High Float Threshold:	55.60	V
Low Load Threshold:	47.00	V
High Load Threshold:	57.60	V
Battery Temperature High Threshold:	50	°C
Battery Temperature Low Threshold:	0	°C
System Overload Type:	Redundancy ▼	
System Overload Recognition Period:	240	min
System Overload Threshold:	85	%
In Discharge Alarm Condition:	Always ▼	

Online