



System Current Draw

E3 Series Control Panel with Broadband

		Total Standby		0.191 A		Total Alarm		0.526 A	
Device	Standby Current				Alarm Current				
	Qty		Draw	Standby	Qty		Draw	Alarm	
1. System Device									
Intel. Loop Interface, Main Board (ILI-MB-E3)	1	x	0.08100	0.08100	1	x	0.15000	0.15000	
Intel. Loop Interface Supplement Board (ILI-S-E3)	0	x	0.08100		0	x	0.15000		
Intel. Loop Interface Main Board - Apollo (ILI95-MB-E3)	0	x	0.05000		0	x	0.09100		
Intel. Loop Interface Supplement Board - Apollo (ILI95-S-E3)	0	x	0.05000		0	x	0.09100		
7100 Panel, 1 SLC	0	x	0.05600		0	x	0.07600		
7100 Panel, 1 SLC with DACT	0	x	0.07500		0	x	0.09500		
7100 Panel, 2 SLC	0	x	0.06500		0	x	0.08500		
7100 Panel, 2 SLC with DACT	0	x	0.08500		0	x	0.10500		
2. E3 Optional Modules									
120V Power Supply Sub-Assembly (PM-9)	1	x	0.05000	0.05000	1	x	0.05000	0.05000	
240V Power Supply Sub-Assembly (PM-9G)	0	x	0.02700		0	x	0.05000		
LCD Display & Switch Control (LCD-E3)	1	x	0.02400	0.02400	1	x	0.02800	0.02800	
ARCNET Repeater (RPT-E3)	0	x	0.01300		0	x	0.01300		
Digital Communicator (DACT-E3)	1	x	0.01800	0.01800	1	x	0.01800	0.01800	
Optional Remote Serial Annunicator (LCD-7100)	0	x	0.05000		0	x	0.07500		
Network LCD Annunicator (NGA)	0	x	0.20000		0	x	0.20000		
Auxiliary Switch Sub-Assembly (ASM-16)	0	x	0.01100		0	x	0.01100		
Remote LED Driver Module (ANU-48)	0	x	0.01100		0	x	0.01100		
Addressable Node Expander (ANX)	0	x	0.06500		0	x	0.06500		
3. 7100 Optional Modules									
Intelligent Network Interface Module (INI-7100)	0	x	0.04000		0	x	0.04000		
Printer Transient Module (PTRM)	0	x	0.02000		0	x	0.02000		
Remote LED Driver Module (LDM-7100)	0	x	0.03500		0	x	0.20000		
Class A Option Module (CAOM)	0	x	0.00100		0	x	0.00100		
Municipal Circuit Option Module (MCOM)	0	x	0.00100		0	x	0.00100		
4. INI-VGC Command Center									
Intel. Network Command Center (INI-VGC)	0	x	0.15000		0	x	0.15000		
Addressable Switch Sub-assembly (ASM-16)	0	x	0.01100		0	x	0.01100		
Voice Paging Microphone (Microphone)	0	x	0.00100		0	x	0.00100		
Firefighter's Telephone (Handset)	0	x	0.02000		0	x	0.02000		
Addressable Output Module-Telephone (AOM-TFI)	0	x	0.00200		0	x	0.00650		
5. INI-VGX Voice Gateway									
Intel. Network Voice Gateway (INI-VGX)	0	x	0.15000		0	x	0.15000		
120V Power Supply Sub-Assembly (PM-9)	0	x	0.05000		0	x	0.05000		
240V Power Supply Sub-Assembly (PM-9G)	0	x	0.02700		0	x	0.05000		
Amplifier Sub-assembly, 50 watt 25V (AM-50)	0	x	0.08600		0	x	2.20600		
Amplifier Sub-assembly, 50 watt 70V (AM-50-70)	0	x	0.04900		0	x	2.30000		
Addressable Output Module-Signal (AOM-2SF)	0	x	0.00200		0	x	0.00650		
Addressable Output Module-Telephone (AOM-TEL)	0	x	0.00200		0	x	0.00650		
Addressable Output Module-Audio (AOM-MUX)	0	x	0.00200		0	x	0.00650		
6. INI-VGE Command Center Voice Gateway									
Intel. Network Command Voice Gateway (INI-VGE)	0	x	0.15000		0	x	0.15000		
Addressable Switch Sub-assembly (ASM-16)	0	x	0.01100		0	x	0.01100		
Voice Paging Microphone (Microphone)	0	x	0.00100		0	x	0.00100		
Firefighter's Telephone (Handset)	0	x	0.02000		0	x	0.02000		
Addressable Output Module-Signal (AOM-2SF)	0	x	0.00200		0	x	0.00650		
Addressable Output Module-Telephone (AOM-TEL)	0	x	0.00200		0	x	0.00650		
Addressable Output Module-Audio (AOM-MUX)	0	x	0.00200		0	x	0.00650		
7. Smoke Detectors/Modules									
MS7-AF PULL STATION	3	x	0.00250	0.00750	3	x	0.00030	0.00090	
ASD-PL3 SMOKE DETECTOR	5	x	0.00200	0.01000	5	x	0.00300	0.01500	
Smoke Detector/Module 3	0	x	0.00000		0	x	0.00000		
Smoke Detector/Module 4	0	x	0.00000		0	x	0.00000		
Smoke Detector/Module 5	0	x	0.00000		0	x	0.00000		
Smoke Detector/Module 6	0	x	0.00000		0	x	0.00000		
Smoke Detector/Module 7	0	x	0.00000		0	x	0.00000		
Smoke Detector/Module 8	0	x	0.00000		0	x	0.00000		
Smoke Detector/Module 9	0	x	0.00000		0	x	0.00000		
Smoke Detector/Module 10	0	x	0.00000		0	x	0.00000		
8. Notification Appliances									
SW15	4	x	0.00000	0.00000	4	x	0.06600	0.26400	
	0	x	0.00000		0	x	0.00000		
	0	x	0.00000		0	x	0.00000		
	0	x	0.00000		0	x	0.00000		
	0	x	0.00000		0	x	0.00000		
	0	x	0.00000		0	x	0.00000		

	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
	0	x	0.00000		0	x	0.00000	
Total Standby Load:				0.191 A	Total Alarm Load: 0.526 A			



System Power Requirements

E3 Fire Alarm Control Panel with Broadband

Protected Premises:	<u>NEW LEVEL 360</u>	Date:	<u>11/4/2022</u>	
Address:	<u>3500 SOUTH MERIDIAN UNIT 900-20</u>			
City:	<u>PUYALLUP</u>	State:	<u>WA</u>	
		Zip:	<u>98371</u>	
Prepared By:	<u>RED HAWK FIRE PROTECTION</u>	Phone:	<u>253-840-9900</u>	
Address:	<u>801 VALLEY AVENUE SUITE D</u>		Email:	<u>LINDSEYL@REDHAWKF</u>
City:	<u>PUYALLUP</u>	State:	<u>WA</u>	
		Zip:	<u>98371</u>	

Secondary Load Requirements

55.56 Amp Hours

Total Secondary Load from the calculation table below.

Current Draw		Time (hours)	Total (AH)
Secondary Standby Load 1.923 A	x	Required Standby Time	
		24 hours	46.15
Secondary Alarm Load 1.761 A	x	Required Alarm Time (hours)	
		0.084 hours	0.15
Total Secondary Load			46.30
Derating factor			x 1.20
Secondary Load Requirements			55.56 AH

Battery Selection

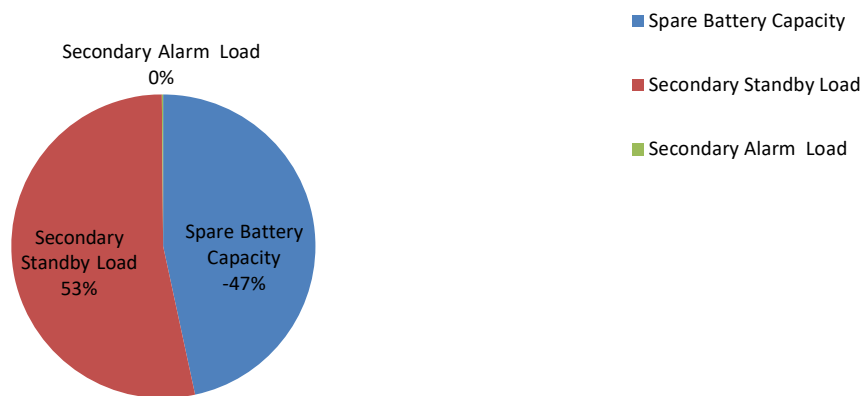
7.00 Amp Hours

Select batteries from the list

7.0 AH Battery (12 volt)

Battery Distribution Chart

Shows amp-hour distribution of your selections.



Spare Battery Capacity	-48.56 Amp Hours
Secondary Standby Load	55.38 Amp Hours
Secondary Alarm Load	0.18 Amp Hours