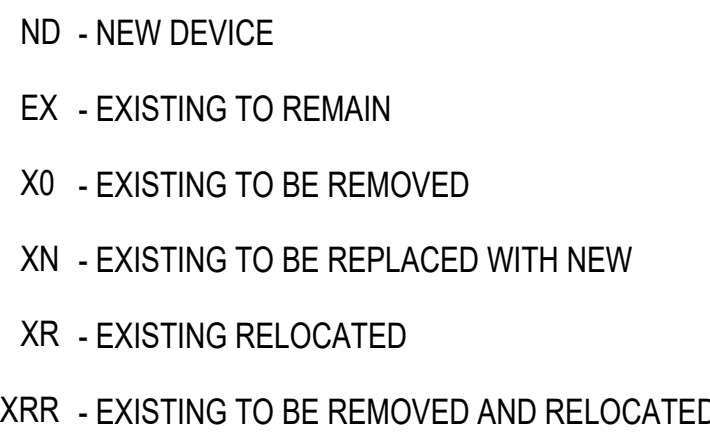


10/18/2023



Standby Battery Calculations						
KIDDE VSI-GD						
Summit Behavioral Healthcare 3340 NE Regan Road Rd Lewis Summit, MO 64064						
Part Number	Description	Quantity	Per Device	Current All Devices	Alarm Per Device	Current All Devices
VSI-GD	1 Line System 6A Analog Rent Capacity, 2 Class B/NK LCD test annunciator w/ common contacts, English	1	0.155000	0.155000	0.009400	0.009400
K-RLCD-C	Quad Single Detector	2	0.009000	0.009000	0.115000	0.115000
IO-GSD	Double Action Single Stage Manual Pull Station	2	0.000300	0.000300	0.000440	0.000440
GSA-MC78	Synchronization Output Module (One-gang standard me	2	0.000223	0.000223	0.000259	0.000259
GSA-CD1S	Dual Input Module	3	0.000366	0.000366	0.000366	0.000366
TAC-DDC	Total Alarm Current Max DDC		0.000000	0.000000	0.940000	0.000000
TAC-SLC	Total Alarm Current Max SLC		0.000000	0.000000	0.400000	0.000000
Total A/C current			Maximum Amperes	1.0000	0.257	Alarm 0.323
Signal Circuits						
Circuit	Device	Quantity	Per Device	Current All Devices	Alarm Per Device	Current All Devices
Circuit 1				0.0000		0.0000
				0.0000		0.0000
				0.0000		0.0000
				0.0000		0.0000
Total 1		Maximum Amperes	2.5000			0.0000
Circuit 2				0.0000		0.0000
				0.0000		0.0000
				0.0000		0.0000
				0.0000		0.0000
Total 2		Minimum Amperes	2.5000			0.0000
				0.0000		0.0000
				0.0000		0.0000
				0.0000		0.0000
Total		Maximum Amperes	0.0001		Notification Alarm 0.0000	0.323
			Circuit 1	Circuit 2	Total Alarm Amperes	
Max Wire Run Distance For AWG 14 Actual Wire run Distance Voltage Drop for 14 AWG wire						
Voltage Drop = 2 " Wire Run Distance / 3.07 Ohms Per 1000 ft 14 AWG * Total Current for Circuit / 1000						
				Standby Hours	24	
				Standby Battery Draw	0.257	
				Standby Amp-Hrs	6.163	
				Alarm Minutes	5	
				Alarm Current	0.647	
				Alarm Current by Minutes	0.044	
				Battery Size Required with Alarm Time Minutes and 20% Reserve	7.779	
Batteries Size Supplied				12	Amp Hours	

[illegible]

MISSOURI PE COA #2009003629

