

Battery/Power Calculation Form

Project: Summit at West Pryor

Location: FACP

Notes: Stretchzone Tenant Finish

* added

Standby: 24 Hours (1440) Minutes

Device	Quantity		Current - Amp/Hr.		Total
FACP (S3)	1	X	0.1110	X24	2.6640
Smoke Detector	43	X	0.0003	X24	0.3096
Heat Detector	3	X	0.0003	X24	0.0216
Duct Detector	0	X	0.0003	X24	
CO Detector	1	X	0.0003	X24	0.0072
Pull Station	4	X	0.0003	X24	0.0288
Monitor Module	17	X	0.000375	X24	0.1530
Control Module	26	X	0.000375	X24	0.2340
Remote Annunciator	1	X	0.05	X24	1.2000
110cd Horn/Strobe	1	X	0	X24	
75cd Horn/Strobe	3	X	0	X24	
30cd Horn/Strobe	3	X	0	X24	
15cd Horn/Strobe	12	X	0	X24	
110cd Strobe Only	0	X	0	X24	
75cd Strobe Only	0	X	0	X24	
30cd Strobe Only	1	X	0	X24	
15cd Strobe Only	7	X	0	X24	
Subtotal:					4.6182
Add 30% for battery depletion:					1.3855
Standby Subtotal:					6.0037

*1 added

Alarm Mode: 10 Minutes

Device	Quantity		Current - Amp/Hr.		Total
FACP (S3)	1	X	0.2430	÷6	0.0405
Smoke Detector	43	X	0.0065	÷6	0.0466
Heat Detector	3	X	0.0065	÷6	0.0033
Duct Detector	0	X	0.0065	÷6	
CO Detector	1	X	0.0072	÷6	0.0012
Pull Station	4	X	0.003	÷6	0.0020
Monitor Module	17	X	0.0006	÷6	0.0017
Control Module	26	X	0.0065	÷6	0.0282
Remote Annunciator	1	X	0.075	÷6	0.0125
110cd Horn/Strobe	1	X	0.162	÷6	0.0270
75cd Horn/Strobe	3	X	0.121	÷6	0.0605
30cd Horn/Strobe	3	X	0.074	÷6	0.0370
15cd Horn/Strobe	12	X	0.054	÷6	0.1080
110cd Strobe Only	0	X	0.148	÷6	
75cd Strobe Only	0	X	0.107	÷6	
30cd Strobe Only	1	X	0.063	÷6	0.0105
15cd Strobe Only	7	X	0.043	÷6	0.0502
Subtotal:					0.4291
Add 30% for battery depletion:					0.1287
Alarm Mode Subtotal:					0.5578

*1 added

Standby Subtotal: 6.0037
 Plus Alarm Mode Subtotal: 0.5578
 System Current Demand: 6.5614

Battery Size: 12vdc 10AH
 Battery Quantity: 2
 Battery Total: 24vdc 10AH