

Advanced Multi-Criteria Fire/CO Detector (AMCF/CO) – Value Form

Current		New AMCF/CO	
Devices	Average Price	Devices	Average Price
Photo Thermal		AMCF/CO	
B200SR		B200S	
CO1224T			
Mini-Mod			
Mini-Horn			
Total Device Cost Per Room		Total Device Cost Per Room	
Junction Box Cost Per Room (3 Required Per Device Set)		Junction Box Cost Per Room (1 Required Per Device Set)	
Labor Cost to Wire One Room		Labor Cost to Wire One Room	
Total Installed Cost Per Room		Total Installed Cost Per Room	
Total Cost Per	Room(s)	Total Cost Per	Room(s)
Disadvantages		Advantages	
<ul style="list-style-type: none"> • Requires 2 addresses • 10-11 terminals to wire • More devices = poor aesthetics / high installation cost 		<ul style="list-style-type: none"> • 1 address • Only 4 terminals to wire • 1 device = improved aesthetics • Greater flexibility in programming (local or general for CO) • Unsurpassed nuisance immunity 	

Total Savings on	Jobs Per Year Using AMCF/CO
Savings over Current configuration:	

Assumptions	
Average installed junction box cost:	
Install time per device (min.):	
Labor rate (\$/hr.):	
Average device sets per room:	
Number of rooms:	
Number of jobs per year:	



Completing this form will provide an estimate of potential savings you can achieve using the Advanced Multi-Criteria Fire/CO Detector over other defined configurations. Your actual project savings and costs may vary.



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Instructions

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Current		New AMCF/CO	
Devices	Average Price	Devices	Average Price
Photo Thermal	A	AMCF/CO	A
B200SR		B200S	
CO1224T			
Mini-Mod			
Mini-Horn			
Total Device Cost Per Room		Total Device Cost Per Room	
B		B	
Junction Box Cost Per Room (3 Required Per Device Set)		Junction Box Cost Per Room (1 Required Per Device Set)	
C		C	
Labor Cost to Wire One Room		Labor Cost to Wire One Room	
D		D	
Total Installed Cost Per Room		Total Installed Cost Per Room	
E		E	
Total Cost Per	Room(s)	Total Cost Per	Room(s)
F		F	
Disadvantages		Advantages	
<ul style="list-style-type: none"> Requires 2 addresses 10-11 terminals to wire More devices = poor aesthetics / high installation cost 		<ul style="list-style-type: none"> 1 address Only 4 terminals to wire 1 device = improved aesthetics Greater flexibility in programming (local or general for CO) Unsurpassed nuisance immunity 	

Total Savings on	Jobs Per Year Using AMCF/CO
Savings over Current configuration:	G

Assumptions	
Average installed junction box cost:	H
Install time per device (min.):	I
Labor rate (\$/hr.):	J
Average device sets per room:	K
Number of rooms:	L
Number of jobs per year:	M



Completing this form will provide an estimate of potential savings you can achieve using the Advanced Multi-Criteria Fire/CO Detector over other defined configurations. Your actual project savings and costs may vary.

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- A:** Enter the price you pay for the devices used in each configuration.
- B:** Total the price of all devices required for each configuration.
- C:** # of Required Junction Boxes (3 for Current; 1 for AMCF/CO) x Average Installed Junction Box Cost x Average Device Sets Per Room
- D:** # of Devices to Wire Per Set x Install Time Per Device x Labor Rate x Average Device Sets Per Room / 60 minutes
- E:** Total Device Cost Per Room + Junction Box Cost Per Room + Labor Cost to Wire One Room
- F:** Number of Rooms x Total Installed Cost Per Room
- G:** (Total Cost Per # Rooms Current - Total Cost Per # Rooms AMCF/CO) x Jobs Per Year
- H:** Enter your cost for installing a junction box.
- I:** Estimate the average time in minutes it takes to install a device.
- J:** Enter the rate you pay for labor in \$ per hour.
- K:** Total number of device sets divided by the number of rooms on the project. A typical room usually requires 1 device set. Large rooms may require more.
- L:** Enter the number of rooms in an average project.
- M:** Enter the number of jobs requiring fire and CO detection performed in a year.