

# 28 46 Fire Detection and Alarm

## 28 46 11 – Fire Sensors and Detectors

28 46 11.50 Fire and Heat Detectors		Crew	Daily Output	Labor- Hours	Unit	Material	2022 Bare Costs		Total	Total Incl O&P
0010 FIRE & HEAT DETECTORS							Labor	Equipment		
5000	Detector, rate of rise	1 Elec	8	1	Ea.	31	66		97	133

## 28 46 20 – Fire Alarm

### 28 46 20.50 Alarm Panels and Devices

0010	ALARM PANELS AND DEVICES, not including wires & conduits									
2200	Intercom remote station	1 Elec	8	1	Ea.	94.50	66		160.50	203
2400	Intercom outlet		8	1		66	66		132	171
2600	Sound system, intercom handset		8	1		490	66		556	635
3600	4 zone	2 Elec	2	8		460	530		990	1,300
3700	5 zone		1.50	10.667		780	705		1,485	1,900
3800	8 zone		1	16		575	1,050		1,625	2,200
3900	10 zone		1.25	12.800		890	845		1,735	2,225
4000	12 zone		.67	23.988		2,700	1,600		4,300	5,325
4020	Alarm device, tamper, flow	1 Elec	8	1		217	66		283	340
4025	Fire alarm, loop expander card		16	.500		555	33		588	660
4050	Actuating device		8	1		345	66		411	480
4200	Battery and rack		4	2		490	132		622	735
4400	Automatic charger		8	1		555	66		621	710
4600	Signal bell		8	1		50.50	66		116.50	155
4610	Fire alarm signal bell 10" red 20-24 V P		8	1		168	66		234	284
4800	Trouble buzzer or manual station		8	1		80	66		146	187
5425	Duct smoke and heat detector 2 wire		8	1		148	66		214	262
5430	Fire alarm duct detector controller		3	2.667		186	177		363	465
5435	Fire alarm duct detector sensor kit		8	1		77	66		143	183
5440	Remote test station for smoke detector duct type		5.30	1.509		49.50	100		149.50	204
5460	Remote fire alarm indicator light		5.30	1.509		26	100		126	178
5600	Strobe and horn		5.30	1.509		120	100		220	281
5610	Strobe and horn (ADA type)		5.30	1.509		143	100		243	305
5620	Visual alarm (ADA type)		6.70	1.194		109	79		188	237
5800	electric bell		6.70	1.194		53	79		132	176
6000	Door holder, electro-magnetic		4	2		106	132		238	315
6200	Combination holder and closer		3.20	2.500		165	166		331	430
6600	Drill switch		8	1		510	66		576	660
6800	Master box		2.70	2.963		6,175	196		6,371	7,100
7000	Break glass station		8	1		64	66		130	169
7800	Remote annunciator, 8 zone lamp		1.80	4.444		325	294		619	795
8000	12 zone lamp	2 Elec	2.60	6.154		485	405		890	1,125
8200	16 zone lamp	"	2.20	7.273		380	480		860	1,125

# 28 47 Mass Notification

## 28 47 12 – Notification Systems

### 28 47 12.10 Mass Notification System

0010	MASS NOTIFICATION SYSTEM									
0100	Wireless command center, 10,000 devices	2 Elec	1.33	12.030	Ea.	3,000	795		3,795	4,475
0200	Option, email notification					2,100			2,100	2,325
0210	Remote device supervision & monitor					2,625			2,625	2,900
0300	Antenna VHF or UHF, for medium range	1 Elec	4	2		95	132		227	300
0310	For high-power transmitter		2	4		1,100	265		1,365	1,600
0400	Transmitter, 25 watt		4	2		1,725	132		1,857	2,100
0410	40 watt		2.66	3.008		2,000	199		2,199	2,500