

Fire Burglary Instruments, Inc.

50 Engineers Road, Hauppauge, New York 11788

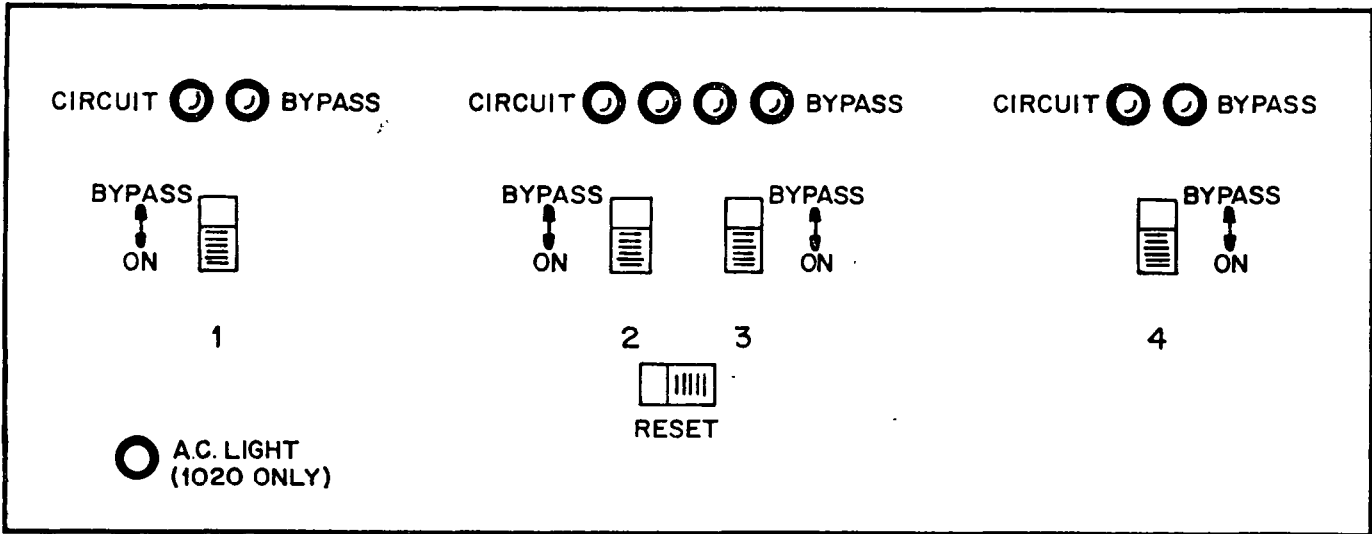


INSTALLATION INSTRUCTIONS

Remember... "We do what they don't"

TER.	FUNCTION	DESCRIPTION
1-2	Zone 4 Positive closed protective loop	Wire closed circuit contacts in series with these terminals. Maximum loop resistance is 2k ohm.
2-4	Zone 4 Open protective loop	Wire open circuit contacts in parallel with these terminals.
3-4	Zone 4 Negative closed supervisory loop	Do not wire contacts in this loop. To be used only to supervise the protective loop or jump out at panel. Maximum resistance is 20 ohm.
6-7	Zone 3 Positive closed protective loop	Wire closed circuit contacts in series with these terminals. Maximum loop resistance is 2k ohm.
4-7	Zone 3 Open protective loop	Wire open circuit contacts in parallel with these terminals.
4-5	Zone 3 Negative closed supervisory loop	Do not wire contacts in this loop. To be used only to supervise the protective loop or jump out at panel. Maximum loop resistance is 20 ohm.
10-11	Zone 2 Positive closed protective loop	Wire closed circuit contacts in series with these terminals. Maximum loop resistance is 2k ohm.
11-13	Zone 2 Open protective loop	Wire open circuit contacts in parallel with these terminals.
12-13	Zone 2 Negative closed supervisory loop	Do not wire contacts in this loop. To be used only to supervise the protective loop or jump out at panel. Maximum loop resistance is 20 ohm.
15-16	Zone 1 Positive closed protective loop	Wire closed circuit contacts in series with these terminals. Maximum loop resistance is 2k ohm.
13-16	Zone 1 Open protective loop	Wire open circuit contacts in parallel with these terminals.
13-14	Zone 1 Negative closed supervisory loop	Do not wire contacts in this loop. To be used only to supervise the protective loop or jump out at panel. Maximum loop resistance is 20 ohm.
8	Negative arming voltage	Negative arming voltage from control panel. Do not use when positive arming is being used.
9	Positive arming voltage	Positive arming voltage from control panel. Do not use when negative arming is being used.
13-17	D.C. input voltage for slave units	Wire D.C. voltage from control panel or master units to these terminals for slave units only. 17(+), 13(-)
18-19	A.C. input voltage for master units	Wire A.C. transformer to these terminals for master units only. 871 for 6v units, 1271 for 12V units.
20-21	N.O. relay output	N.O. relay output that closes when any loop is violated. Wire across N.O. loop terminals of control panel.
20-22	N.C. relay output	N.C. relay output that opens when any loop is violated. Wire in series with N.C. loop of control panel.

NOTE: Connections are made to either terminals 13 & 17 or 18 & 19. Do not use both sets of terminals unless wiring Master units to Slave units.

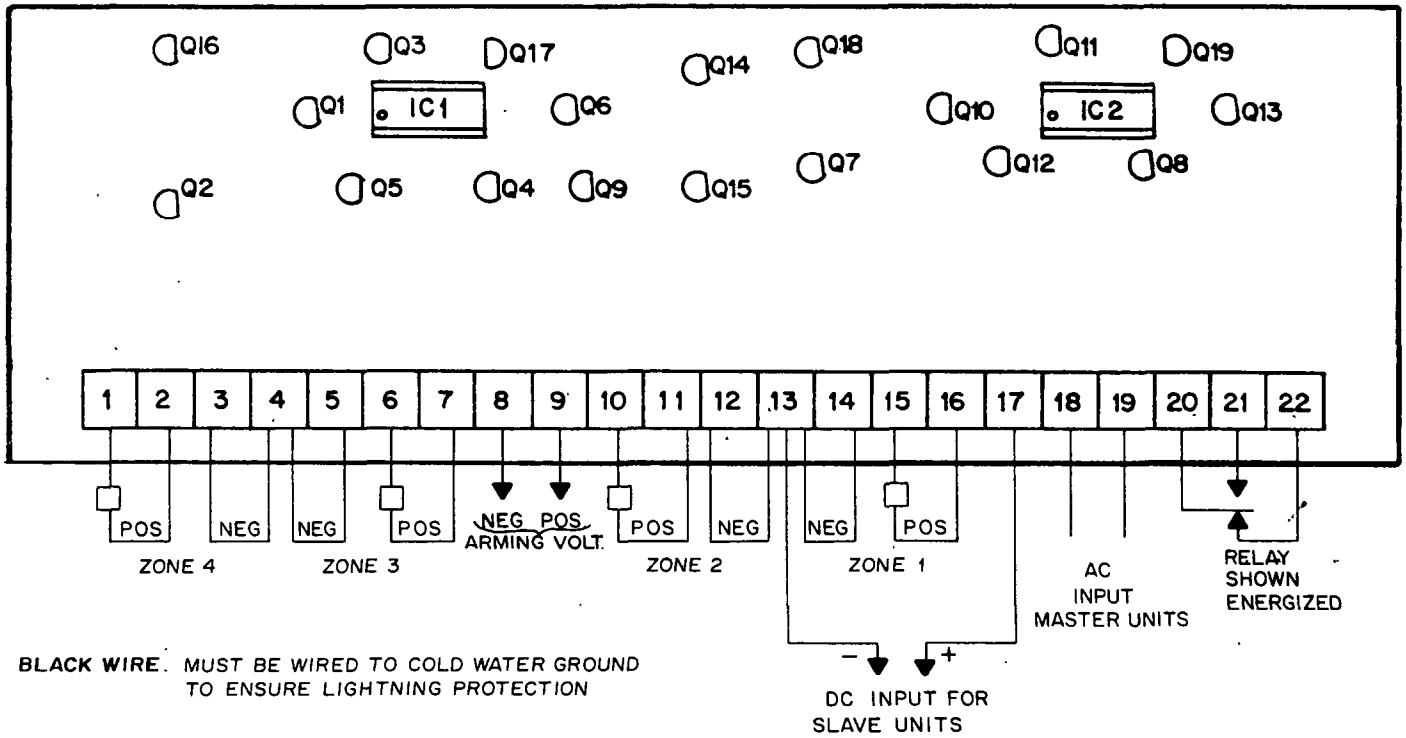


Circuit Indicator	Red Led	In the unarmed condition the red circuit led will light while a zone is being violated. In the armed condition the red led will come on and lock on until the zone is restored and the system disarmed and reset.
Bypass Indicator	Green Led	Zone bypass led comes on when the bypass switch is activated.
Bypass Switch		Each zone has its own bypass switch that is supervised. The panel will go into alarm if a zone is bypassed while the panel is armed.
Reset Switch		When a loop is violated in the armed condition the red led will come on and lock on. After disarming the panel and restoring the loop the reset switch can be activated to shut off the red led.
Output Relay		The output relay in the normal condition is energized to provide supervised operation. The relay follows the loop in the armed and disarmed condition.

1020 Master Units

A.C. light - Yellow led is lit when A.C. transformer is wired to terminals 18 & 19.

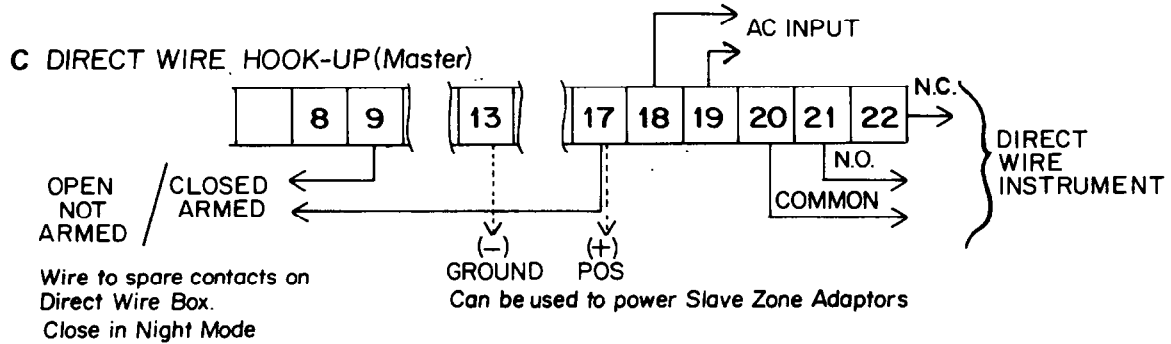
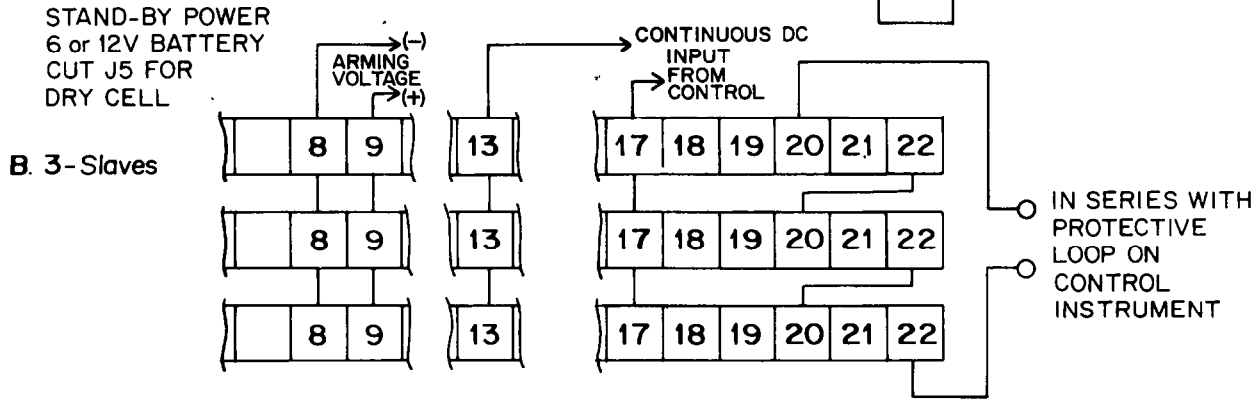
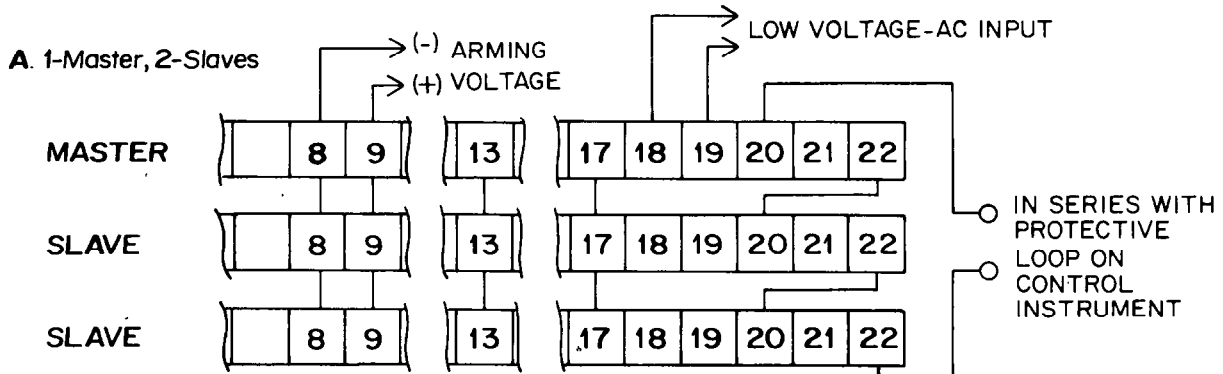
- J5 - Dry cell operation - cut J5
- Rechargeable Battery - Do not cut J5
- Fuse - 1 AMP fused A.C. input



	ARMING VOLTAGE		POWER SLAVE		POWER MASTER		RELAY OUTPUT	
	8	9	13	17	18	19	20	22
600/650	24	X	14	15	Model 871		17	18
642	27	X	24	23	Model 871		3	4
642UL	27	X	20	24	Model 871		3	4
675	11	X	6	10	Model 871		3	4
685	X	13	15	9	Model 871		11	12
800/850	X	4th Position of Wafer Switch	8	4A	Model 871		3	4
875	X		8	14	Model 871		3	4
685-12	X	13	15	9	Model 1271		11	12
1270	X	14	10	12	Model 1271		5	6
1272	28	X	32	27	Model 1271		4	5
1273	16	X	31	30	Model 1271		6	7
1290	21	X	28	18	Model 1271		9	10
1290A	21	X	28	18	Model 1271		9	10

NOTE: When using a Master Zone Adaptor with any of the above Controls, a common circuit ground is needed.
 EX: 600/650 with 1020; connect Terminal 14 of 600/650 to Terminal 13 of 1020.

MULTIPLE HOOK-UPS



NOTES:

1. Each 4 zone adaptor draws approximately 300 mA.
2. Each 4 zone adaptor may be armed and disarmed independently.
3. Separate reset switch for each set of 4 zones.

U.L. REQUIREMENTS FOR STAND-BY POWER:

1. Up to 12 zones may be used in conjunction with the 875 and no additional stand-by power is required.
2. If adding either a 511 or 525 to the system, as outlined in 1, no additional stand-by power is required. Should both a 511 and 525 be added, you must increase stand-by power from 6V/2.6 amp hour to 6V/3.6 amp hour.
3. If using any other manufacturers U.L. panel, you must use a master zone adaptor with its own power supply and stand-by battery.
4. Dry cell requirements: 6V/2.6 amp hour or greater.