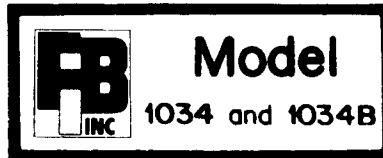


Fire Burglary Instruments, Inc.

50 Engineers Road, Hauppauge, New York 11788

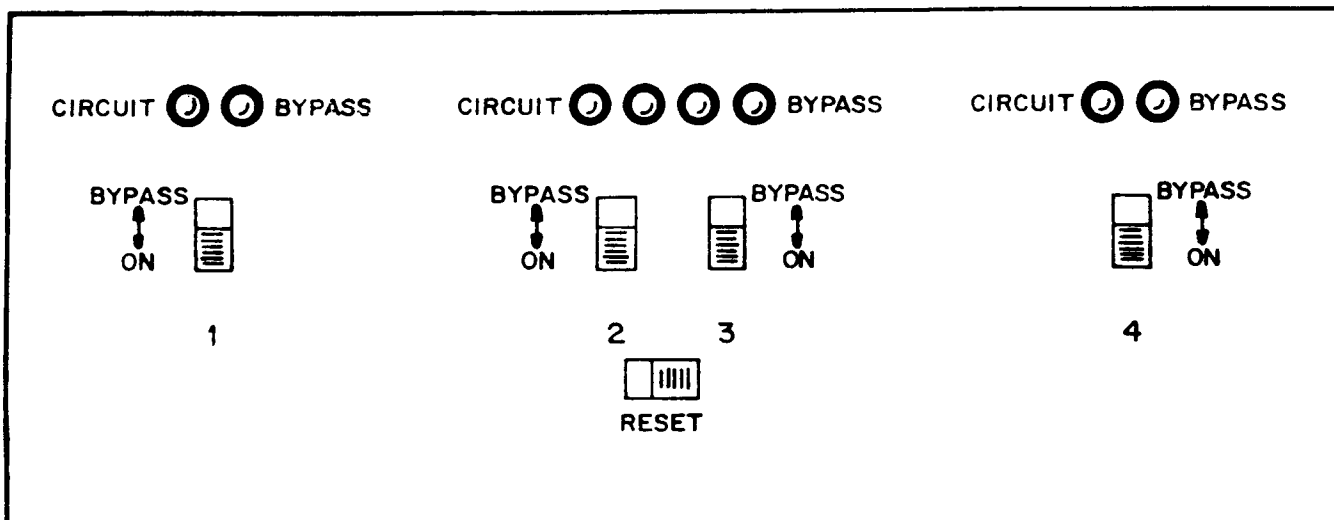


INSTALLATION INSTRUCTIONS

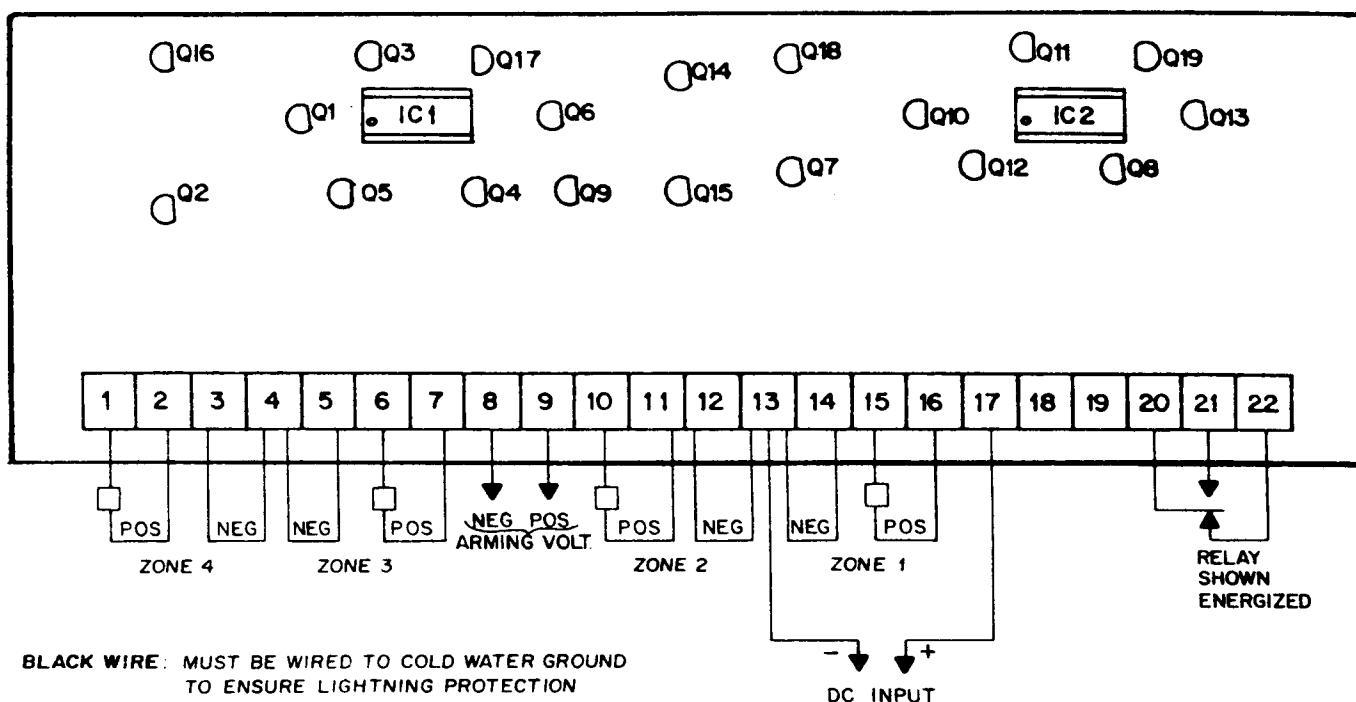
Remember... "We do what they don't"

LISTED TO UL 365 AND 609

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 power. 17(+), 13(-)
18-19	NO CONNECTION -----	
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.

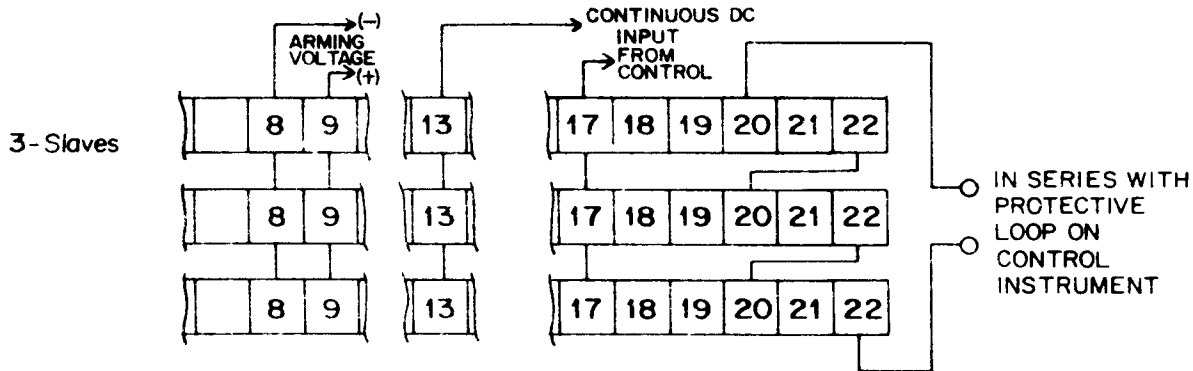


Circuit Indicator	Red Led	In the unarmed condition the red circuit led will light while a zone is being violated. In the armed condition the red led will come on and lock on until the zone is restored and the system disarmed and reset.
Bypass Indicator	Green Led	Zone bypass led comes on when the bypass 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.



	ARMING VOLTAGE		DC POWER SLAVE		RELAY OUTPUT		
	8	9	13(-)	17(+)	20	22	21
642	27	X	24	23	3	4	X
642UL	27	X	20	24	3	4	X
685	X	13	15	9	11	12	X
875	X	4th Position of Water Switch	8	14	3	4	X
685-12	X	13	15	9	11	12	X
1270	X	14	10	12	5	6	X
1290 & 1290A	21	X	28	18	9	10	X
XL1215	23	X	6	9	24	25	X
XL1213 & XL1216	23	X	6	9	24	X	25

HOOK-UP



NOTES:

1. Each 4 zone adaptor draws approximately 40 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. For UL Listing, the Model 1034 MUST be installed with a UL Listed Back box, Dimensions: 1 3/4" by 4 1/2" by 2 1/2". (Similar to our Model 1033).
3. Installation of equipment and wiring methods shall be accomplished in accordance with the National Electrical code and ANSI/NFPA NO. 70