

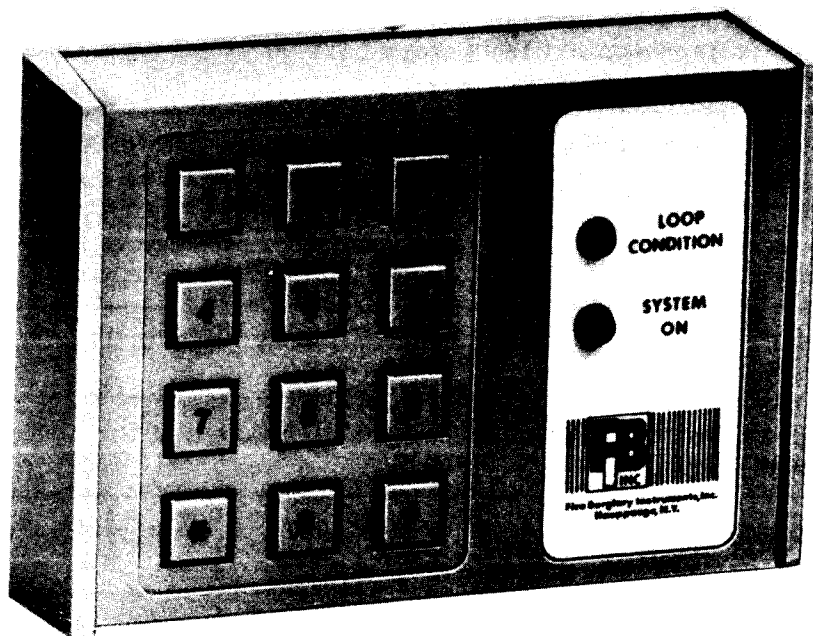
# Fire Burglary Instruments, Inc.

50 Engineers Road, Hauppauge, New York 11788



## INSTALLATION INSTRUCTIONS

516-582-6161 · 800-645-5430



The Model 546 Digital Key can be used for a multitude of applications: Arm/Disarm, adjustable momentary or maintained output, built-in Tamper, and Panic output.

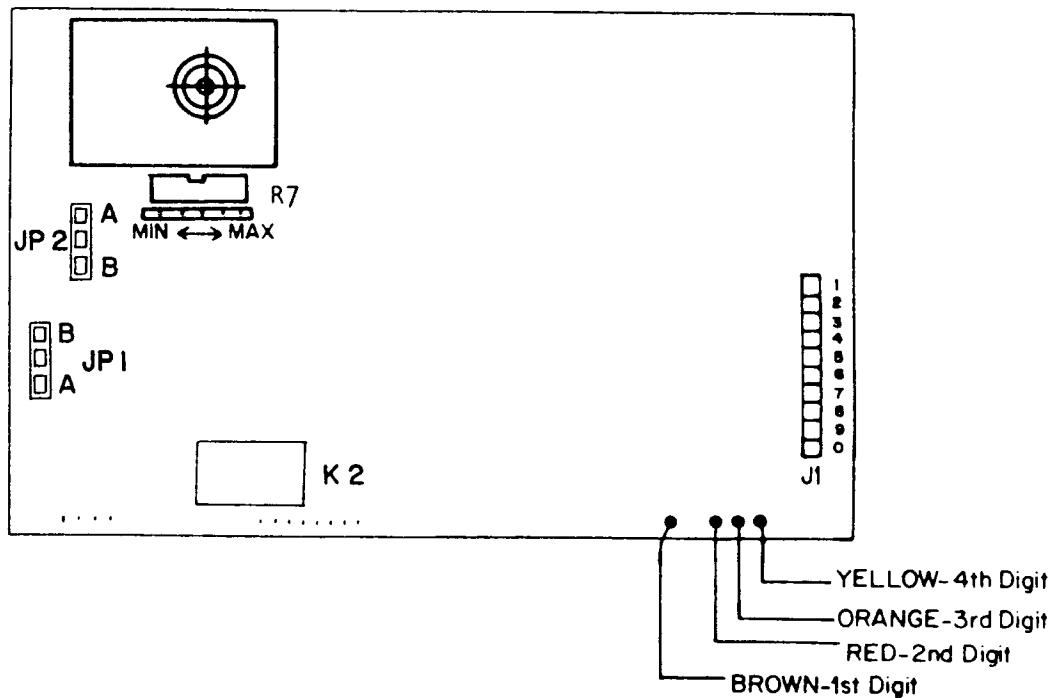
To operate the 546, you must enter a Four-Digit Code in the correct sequence. If you enter a wrong digit or enter a number out of sequence, you must start back with the first digit.

The unit has a Built-In Tamper N.O. switch to be connected to the control panel.

The 546 will operate from 6 to 18v. By positioning a jumper, momentary or latched outputs are available. The Momentary output is factory set at 1 second and can be adjusted to 2 minutes. In the Latched Mode, the correct code will shunt the control panel and when the code is re-entered it will unlatch. This unit also has a "Love and Kisses" panic when \* and # are pressed simultaneously.

WIRES	FUNCTION
Brown	Negative (ground) applied to operate buzzer. JP1 "A" position).
Green	Plus voltage applied to operate buzzer. (JP1 "B" position).
Red Orange	N.O. portion of Form C relay contacts for arm/disarm. Orange is the common. See Jumper JP2 below for relay operation.
Yellow Orange	N.C. portion of Form C relay contacts. Orange is the common. See jumper JP2 below for relay operation.
Black(+) White(-)	Input voltage to activate Red LED is applied to these wires.
White/Red (+) White/Brown(-)	Input voltage to activate Green LED is applied to these wires.
White/Yellow(+) White/Orange(-)	Input voltage to power keypad is wired to these wires. 6 to 18 volts DC.
White/Green White/Blue	N.O. contact that closes when tamper is activated and * and # are pressed simultaneously (Love and Kisses).

JUMPERS	FUNCTION
JP1	A- A (-) ground applied to brown wire will activate buzzer. B- A (+) voltage applied to green wire will activate buzzer.
JP2	A- After entering code relay will pull in for time selected on R7 Trimpot. B- After entering code relay will lock-in until code is re-entered.



### SETTING THE CODE:

The code consists of four digits which are set by inserting the properly colored wires into the appropriate holes in the J1 connector as follows:

Brown Wire - 1st Digit  
 Red Wire - 2nd Digit  
 Orange Wire - 3rd Digit  
 Yellow Wire - 4th Digit

Only the digits 0 thru 9 can be used. \* and # are only used for (Love and Kisses) Panic. As the 0 thru 9 digits are pressed, the buzzer will sound verifying the digit has been entered.

With the JP2 jumper in the "A" position, the amount of time the relay will remain activated, after the code has been entered, is adjustable. By turning R7, the time can be varied from 0 to 2 minutes.

DESCRIPTION	546	600/ 650	642	642UL	685(-12) 687(-12)	XL1213 & XL1216	XL1215	1270	1270RE	1290 1290A
Buzzer Input Wires	Brown	-	-	-	-	21	21	-	-	19
N.O.	Green	-	19	19	3-685(-12)	-	-	White Wire	White Wire	-
Common	Red	16	28	28	3-687(-12)	8	8	11	11	6
N.C.	Orange	15	25	25	4-687(-12)	9	9	12	12	7
Red LED (-)	Yellow	-	-	-	-	-	-	-	-	-
Red LED (+)	White	24	27	27	2-687(-12)	23	23	21	21	21
Green LED (-)	Black	15	25	25	4-687(-12)	9	9	14	14	7
Green LED (+)	White/Brown	21	26	26	1-687(-12)	22	22	13	21	17
Ground	White/Red	15	25	25	4-687(-12)	9	9	12	13	7
Input Voltage	White/Orange	14	24	20	6-687(-12)	6	6	10	10	15
N.O. Contacts	White/Yellow	15	25	25	4-687(-12)	9	9	12	12	7
For Panic & Tamper	White/Green	3	9	9	-	9	9	12	12	7
Buzzer	White/Blue	4	10	10	-	-	4 Aud. Panic 10 Silent Panic	19	19	8
Relay	J1	-	B	B	B	A	A	B	B	A
R7 TRIMPOT	J2	A	A	A	A	A	A	A	A	A

SET TO MIN. →