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AMERICAN MADE  
WITH  
QUALITY & PRIDE

Bulletin No. 4000

CADDX EXECUTIVE 4400-W  
FLUSH MOUNT CONTROL  
INSTALLATION AND OPERATION INSTRUCTIONS

DESCRIPTION:

THE CADDX "EXECUTIVE 4400-W" IS AN ATTRACTIVE FLUSH MOUNT COMPLETE FIRE/ PRIORITY AND BURGLAR ALARM CONTROL, FEATURING 100% SOLID STATE DESIGN FOR EXTENDED LIFE AND RELIABILITY. THE BUILT-IN MULTI-FUNCTION DIGITAL KEYPAD EMPLOYS A FOUR DIGIT ARM/DISARM CODE AND CAN HAVE UP TO FOUR REMOTE KEYPADS (MODEL #B440). IT IS A 12 VOLT CONTROL WITH A REGULATED BATTERY CHARGING CIRCUIT AND COMES COMPLETE WITH A UL LISTED 12.0 VOLT/20 VA TRANSFORMER. THE "EXECUTIVE 4400-W" HAS THREE INDEPENDENT BURG LOOPS; INSTANT, DELAYED AND INTERIOR AND ALSO HAS A 24 HOUR TWO BUTTON PANIC CODE WITH REMOTE PANIC CAPABILITY. THE #4400-W HAS A 24 HOUR FIRE/PRIORITY LOOP WITH END OF LINE (EOL) RESISTOR SUPERVISION AND A BUILT-IN TWO CHANNEL SIREN DRIVER WITH AN AUTOMATIC CUTOFF AND RECYCLE TIMER. OTHER STANDARD FEATURES INCLUDE INDEPENDENTLY ADJUSTABLE ENTRY AND EXIT DELAY TIMERS, FAIL SAFE ARMING AND PRE-ALARM BUZZER VOLTAGE. THREE SEPARATE ALARM OUTPUTS TO TRIP A DIGITAL COMMUNICATOR FOR FIRE/PRIORITY, PANIC AND BURG ARE BUILT INTO THE "EXECUTIVE". THE #4400-W HAS TWO REGULATED AUX POWER OUTPUTS, BUILT-IN SMOKE DETECTOR RESET AND LOOP TEST/CHILD GUARD, PLUS G-MOV TRANSIENT PROTECTION.

SPECIFICATIONS:

SIZE: MAXIMUM MEASUREMENT- WIDTH: 8.63 IN (21.9 cm) HEIGHT: 4.81 IN (12.2 cm) DEPTH: FACE EXTENDS FROM WALL; .81 IN (2.1 cm) BACK BOX EXTENDS INTO WALL; 3.56 IN (9.1 cm.)

SHIPPING WEIGHT: 2 LBS. 2.3 OZ (972.4 gm)

MATERIAL: HIGH IMPACT INJECTION MOLDED PLASTIC

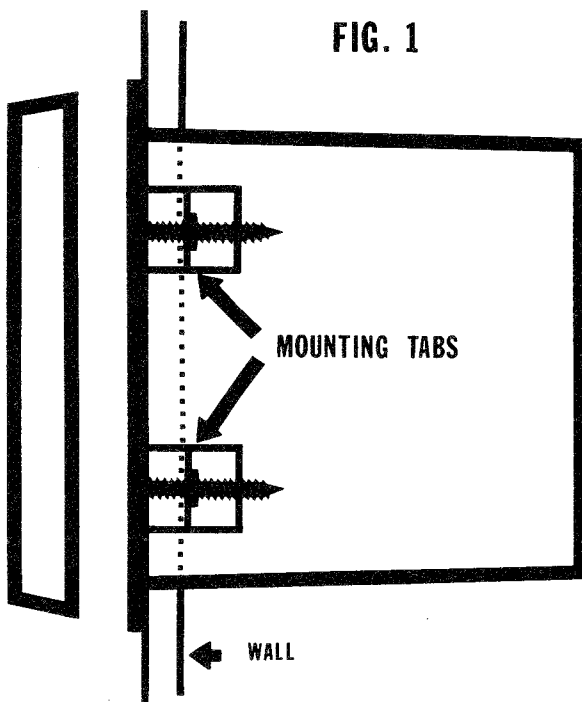
COLOR: WHITE HOUSING WITH GRAY TRIM

POWER INPUT: 12 VAC TRANSFORMER SUPPLIED WITH EACH CONTROL

POWER OUTPUT: 13.5 VDC REGULATED AND FILTERED

SIREN DRIVER OUTPUT: 114 db AT 10 FT. USING AN 8 OHM 30 WATT SPEAKER

OPERATING TEMP: 32 F TO 160 F (0 C TO 70 C)



MOUNTING THE BACK BOX:

BEFORE PROCEEDING FURTHER, CHOOSE AN INDOOR LOCATION THAT TAKES INTO CONSIDERATION FACTORS SUCH AS CONVENIENCE, EASE OF OPERATION AND SECURITY (PROTECTED BY INSIDE TRAPS). AFTER SEPARATING THE #4400-W FRONT FROM THE BACK BOX, REMOVE THE MOUNTING TABS AND CUT A HOLE IN THE WALL 7 3/8 IN. LONG AND 4 IN. HIGH. THIS HOLE SIZE ALLOWS FOR MINOR ADJUSTMENTS TO SQUARE THE #4400-W. BE CERTAIN THAT THE BOX IS LOCATED BETWEEN TWO STUDS. AN OPENING IN THE #4400-W BACK BOX IS PROVIDED FOR ACCESSING WIRES. INSTALL THE BACK BOX AND ATTACH THE MOUNTING TABS USING THE SCREWS PROVIDED, MAKING CERTAIN TO SQUARE THE BACKBOX BEFORE TIGHTENING THE MOUNTING TABS.

**PROGRAMING:**

KEYS "1" THROUGH "6" ARE CODE KEYS WHILE KEY "7" AND KEY "8" ARE SPECIAL FUNCTION KEYS. KEY "8" IS DEDICATED FOR SHUNTING AND KEY "7" IS DEDICATED FOR UNSHUNTING THE INTERIOR BURG LOOP. THE "ZONE BYPASS LED" WILL LIGHT WHEN THE SHUNT IS ACTIVE. WHEN KEY "7" AND KEY "8" ARE PRESSED SIMULTANEOUSLY THE PANIC CIRCUIT IS ACTIVATED.

AS SHIPPED THE ARM/DISARM CODE IS PROGRAMED FOR 3-1-5-6. THE ARM/DISARM CODE SHOULD BE RE-PROGRAMED BEFORE INSTALLATION. THE PROGRAMING JUMPERS AND PROGRAMING SOCKETS ARE SHOWN IN FIG. 2. THE JUMPERS ARE COLOR CODED AS FOLLOWS:

- BROWN=KEY #1
- RED=KEY #2
- ORANGE=KEY #3
- YELLOW=KEY #4
- GREEN=KEY #5
- BLUE=KEY #6

THE SOCKETS ARE LETTERED "A" THROUGH "F" WITH "A" BEING THE FIRST DIGIT OF THE ARM/DISARM CODE, "B" THE SECOND, "C" THE THIRD AND SO FORTH. THE TWO UNUSED DIGITS MUST BE PLACED IN SOCKETS "E" AND "F". SELECT A FOUR DIGIT CODE AND RECORD IT. THEN PROGRAM THE KEYPAD BY PLACING THE COLOR WIRE CORRESPONDING TO THE DESIRED NUMBER IN THE APPROPRIATE SOCKET.

EXAMPLE: ARM/DISARM CODE IS: 5-1-3-4

PLACE THE GREEN JUMPER (#5) IN SOCKET "A"

THE BROWN JUMPER (#1) IN SOCKET "B"

THE ORANGE JUMPER (#3) IN SOCKET "C"

THE YELLOW JUMPER (#4) IN SOCKET "D"

THE RED (#2) AND THE BLUE (#6) JUMPERS MUST BE PLACED IN SOCKETS "E" AND "F" IN ANY ORDER. (LEAVING THE UNUSED NUMBERS DISCONNECTED WILL ADVERSELY AFFECT THE KEYPAD.)

**WIRING:**

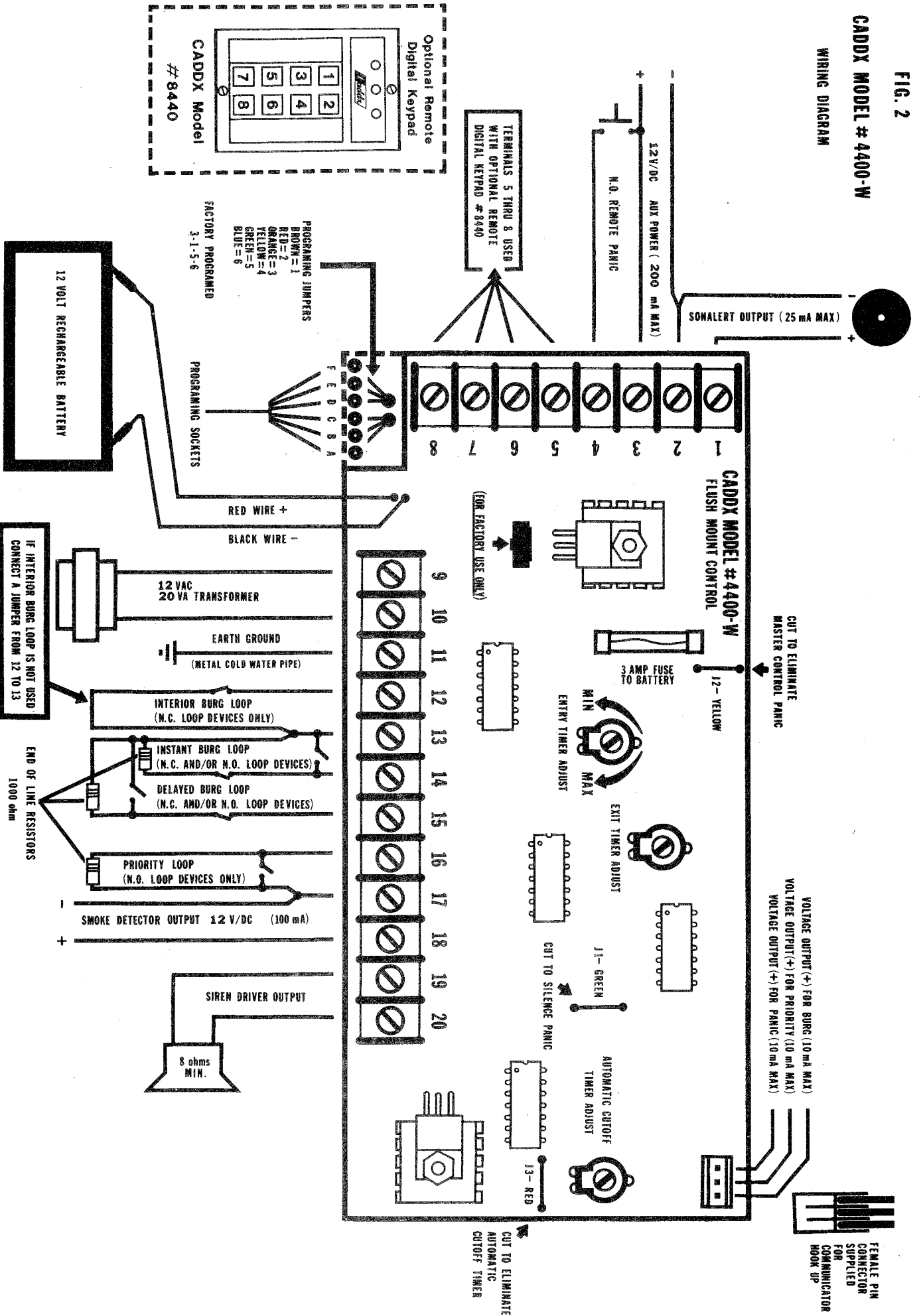
THE #4400-W SHOULD BE WIRED IN ACCORDANCE WITH FIG. 2. INDEPENDENT VOLTAGES ARE SUPPLIED TO ACTIVATE A DIGITAL COMMUNICATOR FOR FIRE/PRIORITY, BURG AND PANIC. FOR CONVENIENCE THESE VOLTAGES ARE TERMINATED TO PIN CONNECTORS SHOWN IN FIG. 2. A PRE-WIRED FEMALE CONNECTOR IS SUPPLIED WITH EACH UNIT.

TERMINALS	DESCRIPTION
1	SONALERT OUTPUT- POSITIVE (+) OUTPUT TO DRIVE A SONALERT OR EQUIVALENT SOUNDING DEVICE. MAXIMUM 25 mA OUTPUT.
2	COMMON- A COMMON NEGATIVE (-) FOR THE SONALERT OUTPUT AND THE AUX POWER.
3	AUX POWER- A CONTINUOUS REGULATED, FILTERED POSITIVE (+) VOLTAGE OUTPUT AT 13.5 VDC MAX 200 mA.
4	REMOTE PANIC- CAN BE ATTACHED TO REMOTE KEYPAD (BLUE WIRE) #8440 AND/OR A REMOTE N.O. MOMENTARY PANIC BUTTON. A POSITIVE (+) VOLTAGE IS REQUIRED TO TRIP THE REMOTE PANIC CIRCUIT (CONNECT FROM TERM. 3 TO 4).
5	REMOTE SHUNT- CONNECT TO CADDX #8440 (YELLOW WIRE) TO ALLOW SHUNTING OF DELAYED INTERIOR BURG LOOP.
6	REMOTE ARM- CONNECT TO CADDX #8440 (GREEN WIRE) FOR REMOTE ARM/DISARM OR USE A NORMALLY OPEN MOMENTARY KEYSWITCH, APPLY A POSITIVE (+) VOLTAGE TO THIS TERMINAL (CONNECT FROM TERM. 3 TO 6).
7	ARM STATUS LED- A POSITIVE (+) VOLTAGE OUTPUT TO DRIVE THE ARM STATUS (RED) LED ON THE #8440 (PURPLE WIRE).
8	LOOP STATUS LED- A POSITIVE (+) VOLTAGE OUTPUT TO DRIVE THE LOOP STATUS (GREEN) LED ON THE #8440 (WHITE WIRE).
9&10	AC TRANSFORMER- 12.0 V/20 VA UL LISTED PLUG-IN TRANSFORMER (SUPPLIED WITH EACH UNIT).
11	EARTH GROUND- CONNECT TO A SOLID EARTH GROUND SUCH AS A METAL COLD WATER PIPE OR GROUNDING ROD. THE G-MOV TRANSIENT PROTECTION REQUIRES A GOOD EARTH GROUND TO FUNCTION EFFECTIVELY.
12&13	INTERIOR BURG LOOP- WIRE N.C. LOOP DEVICES ONLY IN SERIES TO THESE TERMINALS, DELAYED UPON ARMING AND ENTRY, CAN BE SHUNTED FROM THE SYSTEM BY PRESSING KEY "8" OR UNSHUNTED BY PRESSING KEY "7". A JUMPER MUST BE PLACED FROM TERMINAL 12 TO 13 IF THE INTERIOR LOOP IS NOT USED.
13&14	INSTANT BURG LOOP- WIRE N.C. LOOP DEVICES IN SERIES AND/OR N.O. LOOP DEVICES IN PARALLEL WITH THE 1000 OHM EOL RESISTOR (PROVIDED), DELAYED UPON ARMING, INSTANT UPON RE-ENTRY.
13&15	DELAYED BURG LOOP- WIRE N.C. LOOP DEVICES IN SERIES AND/OR N.O. LOOP DEVICES IN PARALLEL WITH THE 1000 OHM EOL RESISTOR, DELAYED ON BOTH ARMING AND RE-ENTRY.
16&17	PRIORITY LOOP- WIRE N.O. LOOP DEVICES ONLY IN PARALLEL WITH THE 1000 OHM EOL RESISTOR, THIS LOOP IS ACTIVE ANY TIME THE #4400-W IS POWERED.
17&18	SMOKE DETECTOR OUTPUT (REGULATED, FILTERED 13.5 VDC, 100 mA MAX)- WIRE SMOKE DETECTOR POWER LEADS TO THESE TERMINALS (OBSERVE POLARITY), TERMINAL 18 IS POSITIVE (+) AND TERMINAL 17 IS (-) NEGATIVE, EACH TIME THE ARM/DISARM CODE IS ENTERED, POWER IS MOMENTARILY INTERRUPTED TO RESET THE SMOKE DETECTORS.
19&20	SIREN DRIVER OUTPUT- WIRE 8 OHM SPEAKER(S) TO THESE TERMINALS, SPEAKERS SHOULD BE 15 WATT MIN. AND SHOULD BE ARRANGED SO THERE IS NO LESS THAN 8 OHMS ACROSS THE TERMINALS.

FIG. 2

CADDX MODEL # 4400-W

WIRING DIAGRAM



#### REMOTE KEYPAD:

THE CADDX #8440 IS SPECIFICALLY DESIGNED TO OPERATE WITH THE "EXECUTIVE 4400-W". IF ALL FUNCTIONS OF THE #8440 ARE USED, EIGHT CONDUCTOR WIRE WILL BE REQUIRED. THE #8440 SHOULD BE WIRED IN ACCORDANCE WITH FIG 2 OF THESE INSTRUCTIONS AND THE INSTRUCTIONS ENCLOSED WITH THE REMOTE KEYPAD. AS MANY AS FOUR #8440'S, WIRED IN PARALLEL, CAN BE USED WITH EACH #4400-W. ALSO, A STANDARD MOMENTARY KEY SWITCH MAY BE SUBSTITUTED FOR THE REMOTE KEYPAD.

#### OPERATION:

ENTERING THE ARM/DISARM CODE WILL CAUSE THE #4400-W TO CHANGE ARM STATUS. IF THE CONTROL IS ARMED, IT WILL DISARM AND VICE VERSA. THE CONTROL, WHEN ARMED, WILL LIGHT THE "ARM STATUS LED". REGARDLESS, WHETHER THE CONTROL IS ARMED OR DISARMED, THE PANIC CIRCUIT AND PRIORITY CIRCUIT ARE ACTIVE AND INSTANT. WHEN KEYS "7" AND "8" ARE PRESSED SIMULTANEOUSLY THE PANIC CIRCUIT WILL LATCH, THE SIREN WILL SOUND A YELPING TONE AND A VOLTAGE WILL BE SUPPLIED TO THE PIN CONNECTOR TO ACTIVATE A DIGITAL COMMUNICATOR. THE ONBOARD TWO BUTTON PANIC CAN BE ELIMINATED BY CUTTING JUMPER J-2 (YELLOW). BOTH REMOTE AND ONBOARD PANIC CAN BE MADE SILENT BY CUTTING JUMPER J-1 (GREEN). THE FIRE/PRIORITY LOOP CAN BE USED FOR ANY EMERGENCY SITUATION WHERE 24 HOUR SUPERVISION IS REQUIRED, SUCH AS; MEDICAL OR EQUIPMENT MONITORING. HOWEVER, THE PRIORITY LOOP WILL MOST OFTEN BE USED AS A FIRE LOOP. TO ENSURE COMPLIANCE CHECK LOCAL CODES. THE PRIORITY LOOP UTILIZES AN EOL RESISTOR FOR FULL SUPERVISION. AN OPENING OF THE LOOP LIGHTS THE "PRIORITY TROUBLE LED" AND SUPPLIES A VOLTAGE TO THE SONALERT TERMINALS. ANY SHORTING OF THE LOOP LIGHTS THE "PRIORITY ALARM LED", SOUNDS A STEADY SIREN AND SUPPLIES A VOLTAGE TO THE PIN CONNECTOR TO ACTIVATE A DIGITAL COMMUNICATOR. THE PRIORITY ALARM WILL TAKE PRECEDENCE OVER ALL OTHER ALARMS.

VIOLATION OF THE BURG LOOPS, IN A DISARMED CONDITION, WILL EXTINGUISH THE "LOOP STATUS LED" BUT WILL NOT CREATE AN ALARM. WHEN THE CONTROL IS ARMED, AN EXIT DELAY TIMER IS INITIATED, ALL BURG LOOPS ARE DELAYED DURING THIS PERIOD. THIS EXIT DELAY TIMER CAN BE ADJUSTED UP TO TWO MINUTES USING THE EXIT TIMER ADJUSTMENT POT ON THE #4400-W BOARD. AFTER THE EXIT DELAY TIME HAS EXPIRED, ALL BURG LOOPS BECOME ACTIVE. EITHER AN OPENING OR A SHORTING OF THE INSTANT BURG LOOP WILL CREATE AN ALARM CONDITION (ALL LOOPS MUST BE VIOLATED FOR A MINIMUM OF ONE SECOND). THEREFORE, IF VIBRATION CONTACTS OR WINDOW BUG TYPE CONTACTS ARE USED, A PULSE STRETCHER IS REQUIRED. RE-ENTRY MUST BE MADE THROUGH THE DESIGNATED DELAYED LOOP. AN OPENING OR SHORTING OF THE DELAYED BURG LOOP WILL LATCH AND INITIATE THE ENTRY TIMER. THIS ENTRY TIMER IS INDEPENDENTLY ADJUSTABLE UP TO TWO MINUTES USING THE ENTRY TIMER ADJUSTMENT POT ON THE #4400-W BOARD. IF THE SYSTEM IS DISARMED PRIOR TO THE EXPIRATION OF THE ENTRY DELAY TIME, THE CONTROL WILL RETURN TO A NORMAL CONDITION. HOWEVER, SHOULD THE ENTRY DELAY TIME EXPIRE, THE SYSTEM WILL CREATE AN ALARM CONDITION. IF THE INTERIOR LOOP IS NOT SHUNTED, IT WILL FUNCTION THE SAME AS THE DELAYED BURG LOOP (THIS LOOP WILL ONLY ACCEPT CLOSED CIRCUIT DEVICES). THE INTERIOR LOOP MAY BE REMOVED FROM THE SYSTEM AT ANY TIME BY PRESSING KEY "8" AND ADDED BY PRESSING KEY "7". WHEN ANY BURG LOOP CREATES AN ALARM CONDITION, THE SIREN SOUNDS A YELPING TONE AND A VOLTAGE IS SUPPLIED TO THE PIN CONNECTOR TO ACTIVATE A DIGITAL COMMUNICATOR.

THE SIREN HAS AN AUTOMATIC CUTOFF TIMER WHICH IS ADJUSTABLE UP TO 15 MINUTES. FOR ALL ALARM CONDITIONS (BURG, PANIC, AND PRIORITY), THE SIREN WILL STOP AT THE CONCLUSION OF THE CUTOFF TIME. FOR BURG AND PANIC ALARMS, THE SYSTEM CAN BE RESET BY ENTERING THE ARM/DISARM CODE PRIOR TO THE END OF THE CUTOFF TIME. THE AUTOMATIC CUTOFF TIMER CAN BE ELIMINATED BY CUTTING JUMPER J-3 (RED). IF ALL LOOPS ARE RESTORED AFTER THE SIREN HAS CUTOFF, THE SYSTEM WILL RECYCLE, AND THE SIREN WILL SOUND WHEN A LOOP IS AGAIN VIOLATED.

ENTERING THE FIRST DIGIT OF THE ARM/DISARM CODE WILL ACTIVATE THE CHILD GUARD/TEST FEATURE OF THE #4400-W. IN THIS CONDITION, EACH TIME ONE OF THE BURG LOOPS IS VIOLATED, A VOLTAGE IS SUPPLIED TO THE SONALERT TERMINALS AS LONG AS THE LOOP IS TRIPPED. TO ELIMINATE THIS FEATURE, SIMPLY PRESS ANY OTHER CODE KEY. THIS FEATURE IS NOT ACTIVE FROM THE REMOTE KEYPAD #8440. IN ADDITION, THE #4400-W HAS FAIL SAFE ARMING. ATTEMPTING TO ARM THE SYSTEM WITH A BURG LOOP VIOLATED CANNOT BE DONE. THE SYSTEM WILL NOT ARM AND A VOLTAGE WILL BE SUPPLIED TO THE SONALERT TERMINALS TO ALERT THE OPERATOR OF HIS MISTAKE.

A REGULATED, FILTERED CHARGING CIRCUIT IS PROVIDED FOR A 12 VOLT BACK-UP BATTERY. SHOULD AC POWER BE INTERRUPTED, THE #4400-W WILL AUTOMATICALLY SWITCH TO BACK-UP BATTERY. THE "AC POWER ON LED" WILL EXTINGUISH WHEN AC POWER IS LOST.

#### TESTING:

AS WITH ALL SECURITY EQUIPMENT, A TEST SHOULD BE CONDUCTED AT THE TIME THE UNIT IS INSTALLED TO ENSURE PROPER OPERATION. ALSO, THE UNIT SHOULD BE RE-TESTED ON A REGULAR BASIS TO MAKE CERTAIN IT CONTINUES TO FUNCTION AS INTENDED.

#### WARRANTY:

CADDX-CADDI CONTROLS, INC. GUARANTEES THESE PRODUCTS AGAINST DEFECTIVE PARTS AND WORKMANSHIP FOR TWENTY-FOUR (24) MONTHS FROM DATE OF PURCHASE.

IF ANY DEFECT APPEARS DURING THE WARRANTY PERIOD, SIMPLY RETURN IT TO THE MANUFACTURER, POSTAGE PREPAID. THE UNIT WILL BE REPAIRED AND RETURNED.

CADDX ASSUMES NO LIABILITY FOR CONSEQUENTIAL OR INDIRECT DAMAGE AND ACCEPTS NO RESPONSIBILITY FOR REPAIRING DAMAGE TO THE PRODUCT CAUSED BY MISUSE, CARELESS HANDLING OR WHERE REPAIRS HAVE BEEN MADE BY OTHERS.

NO OTHER GUARANTEE, WRITTEN OR VERBAL, IS AUTHORIZED BY OR ON BEHALF OF CADDX-CADDI CONTROLS, INC., LONGVIEW, TEXAS.



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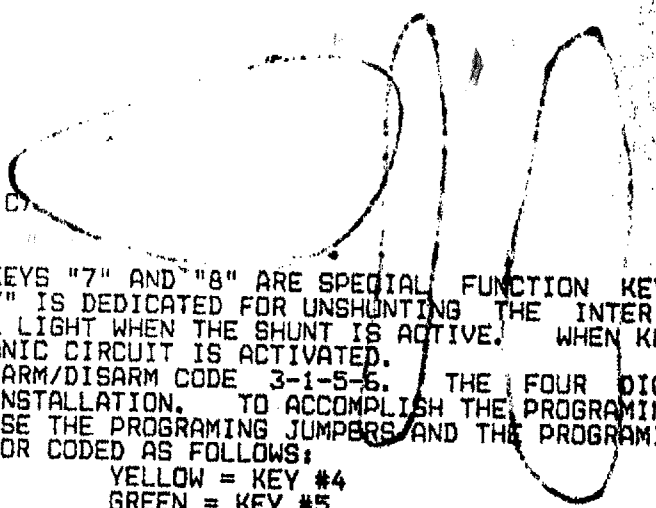
*Corby 7020*

**CADDX/CADDI MODEL #8440  
 OPTIONAL REMOTE KEYPAD FOR MODEL #4400  
 INSTALLATION AND OPERATION INSTRUCTIONS**

**DESCRIPTION:**  
 THE CADDX/CADDI MODEL #8440 IS SPECIFICALLY DESIGNED TO OPERATE WITH THE CADDI "EXECUTIVE 4400" FLUSH MOUNT CONTROL. THIS REMOTE KEYPAD EMPLOYS A FOUR DIGIT ARM/DISARM CODE WITH UP TO 360 DIFFERENT CODES AVAILABLE. THE #8440 FEATURES A TWO BUTTON PANIC CODE, AS WELL AS THE CAPABILITY OF SHUNTING THE DELAYED INTERIOR BURG LOOP. THE UNIT HAS THREE LED'S TO INDICATE ARM STATUS, LOOP STATUS AND ZONE BYPASS. FOR ADDED SECURITY, TAMPER CIRCUIT IS ALSO INCORPORATED INTO THE #8440. AN EASY EIGHT WIRE HOOK-UP IS ALL THAT IS REQUIRED TO UTILIZE ALL FEATURES. ADDITIONALLY, AS MANY AS FOUR REMOTE KEYPAD CAN BE USED WITH EACH #4400.

**SPECIFICATION:**  
 SIZE: HEIGHT: 4.5" WIDTH: 3.1" DEPTH: 1.1"  
 (11.4 cm. X 7.9 cm. X 2.8 cm.)

**SHIPPING WEIGHT:** 4.4 OZ. (125 gm.)  
**CASE MATERIAL:** HIGH IMPACT PLASTIC  
**COLOR:** TAN WITH WOOD GRAIN TRIM  
**CURRENT DRAIN:** 30 mA MAX AT 13.5 VDC  
**OPERATING TEMP:** 32°F TO 160°F (0°C TO 70°C)



**PROGRAMMING:**  
 KEYS "1" THROUGH "6" ARE CODE KEYS WHILE KEYS "7" AND "8" ARE SPECIAL FUNCTION KEYS. KEY "8" IS DEDICATED FOR SHUNTING AND KEY "7" IS DEDICATED FOR UNSHUNTING THE INTERIOR BURG LOOP. THE YELLOW "ZONE BYPASS LED" WILL LIGHT WHEN THE SHUNT IS ACTIVE. WHEN KEYS "7" AND "8" ARE PRESSED SIMULTANEOUSLY, THE PANIC CIRCUIT IS ACTIVATED. AS SHIPPED, THE #8440 IS PROGRAMED FOR ARM/DISARM CODE 3-1-5-6. THE FOUR DIGIT ARM/DISARM CODE SHOULD BE REPROGRAMED BEFORE INSTALLATION. TO ACCOMPLISH THE PROGRAMMING REMOVE THE BACK COVER FROM THE KEYPAD TO EXPOSE THE PROGRAMMING JUMPERS AND THE PROGRAMMING SOCKETS (SHOWN IN FIG. 1). THE JUMPERS ARE COLOR CODED AS FOLLOWS:

- BROWN = KEY #1
- RED = KEY #2
- ORANGE = KEY #3
- YELLOW = KEY #4
- GREEN = KEY #5
- BLUE = KEY #6

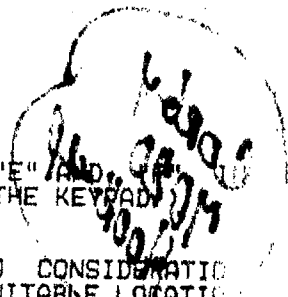
THE SOCKETS ARE LETTERED "A" THROUGH "F" WITH "A" BEING THE FIRST DIGIT OF THE ARM/DISARM CODE, "B" THE SECOND, "C" THE THIRD AND SO FORTH. THE TWO UNUSED DIGITS MUST BE PLACED IN SOCKETS "E" AND "F". SELECT A FOUR DIGIT CODE AND RECORD IT. THEN PROGRAM THE KEYPAD BY PLACING THE COLOR WIRE CORRESPONDING TO THE DESIRED NUMBER IN THE APPROPRIATE SOCKET.

**EXAMPLE:** ARM/DISARM CODE IS 6-2-5-4  
 PLACE THE BLUE JUMPER (#6) IN SOCKET "A"  
 THE RED JUMPER (#2) IN SOCKET "B"  
 THE GREEN JUMPER (#5) IN SOCKET "C"  
 THE YELLOW JUMPER (#4) IN SOCKET "D"

THE ORANGE (#3) AND THE BROWN (#1) JUMPERS MUST BE PLACED IN SOCKETS "E" AND "F" IN ANY ORDER. (LEAVING THE UNUSED DIGITS DISCONNECTED WILL ADVERSELY AFFECT THE KEYPAD)

**INSTALLATION:**  
 BEFORE PROCEEDING FURTHER, CHOOSE AN INDOOR LOCATION THAT TAKES INTO CONSIDERATION FACTORS SUCH AS SECURITY, ACCESSIBILITY AND EASE OF OPERATION. ONCE A SUITABLE LOCATION HAS BEEN SELECTED, THE BACKPLATE CAN BE MOUNTED DIRECTLY TO THE WALL, OR IN NEW CONSTRUCTION WHERE PRE-WIRING IS DONE, THE UNIT CAN BE MOUNTED ON A STANDARD SINGLE GANG ELECTRICAL BOX. BE CERTAIN TO POSITION THE BACKPLATE WITH THE TAMPER PIN IN THE UPPER RIGHT HAND CORNER.

THE #8440 SHOULD BE WIRED IN ACCORDANCE WITH FIG. 1. HOWEVER, IT IS NOT NECESSARY TO UTILIZE ALL FEATURES; SUCH AS PANIC OR TAMPER. IF ANY WIRE IS LEFT UNCONNECTED, IT SHOULD BE TAPED OFF TO INSULATE AGAINST ANY POSSIBLE SHORT CIRCUIT. WHEN MORE THAN ONE UNIT IS INSTALLED, THEY SHOULD BE WIRED IN PARALLEL. AFTER WIRING IS COMPLETE, SECURE THE FRONT OF THE KEYPAD TO THE BACKPLATE USING THE SCREWS PROVIDED.



**OPERATION:**

THE RED POSITIVE (+) WIRE SHOULD BE CONNECTED TO TERMINAL 3, AND THE BLACK NEGATIVE (-) WIRE SHOULD BE CONNECTED TO TERMINAL 2 OF THE #4400 TO POWER THE #8440 REMOTE KEYPAD. ENTERING THE ARM/DISARM CODE WILL PRODUCE A POSITIVE (+) VOLTAGE ON THE GREEN "REMOTE ARM" WIRE. WHEN CONNECTED TO TERMINAL 6 OF THE #4400, THIS WILL CAUSE THE CONTROL TO CHANGE ARM STATUS. IF THE CONTROL IS ARMED IT WILL DISARM AND VICE VERSA. WHEN THE PURPLE "ARM STATUS LED" WIRE IS CONNECTED, THE #4400 WILL SUPPLY A POSITIVE (+) VOLTAGE TO TERMINAL 7 TO LIGHT THE RED "ARM STATUS" LED INDICATING THAT THE CONTROL IS ARMED.

LIKELIKE, IF THE WHITE "LOOP STATUS LED" WIRE IS CONNECTED TO TERMINAL 8, THE #4400 WILL SUPPLY A POSITIVE (+) VOLTAGE TO LIGHT THE GREEN "LOOP STATUS" LED WHEN THE CONTROL IS READY TO ARM. WHEN THE YELLOW "REMOTE SHUNT" WIRE IS CONNECTED TO TERMINAL 5 OF THE #4400, KEY "8" OF THE REMOTE KEYPAD WILL SHUNT THE INTERIOR BURG LOOP AND KEY "7" WILL RESTORE THE INTERIOR BURG LOOP OF THE #4400. IF KEY "7" AND "8" ARE PRESSED SIMULTANEOUSLY, A POSITIVE (+) VOLTAGE WILL BE SUPPLIED THROUGH THE BLUE "REMOTE PANIC" WIRE TO TERMINAL 4 OF THE #4400 ACTIVATING THE PANIC CIRCUIT.

THE BROWN WIRE IS PROVIDED FOR AN OPTIONAL TAMPER CIRCUIT. IF 24 HOUR PROTECTION IS DESIRED, CONNECT THIS WIRE TO TERMINAL 4 OF THE #4400. WHEN THE FRONT OF THE REMOTE KEYPAD IS REMOVED, THE BROWN "TAMPER" WIRE WILL SUPPLY A POSITIVE (+) VOLTAGE TO ACTIVATE THE PANIC CIRCUIT. IF TAMPER PROTECTION IS DESIRED ONLY WHILE THE CONTROL IS ARMED, CONNECT THE BROWN WIRE TO TERMINAL 14 OF THE #4400 TO ACTIVATE THE INSTANT BURG CIRCUIT ONLY WHEN THE CONTROL IS ARMED.

**TESTING:**

AS WITH ALL SECURITY EQUIPMENT, A TEST SHOULD BE CONDUCTED AT THE TIME THE UNIT IS INSTALLED TO ENSURE PROPER OPERATION. ALSO, THE UNIT SHOULD BE RE-TESTED ON A REGULAR BASIS TO MAKE CERTAIN IT CONTINUES TO FUNCTION AS INTENDED.

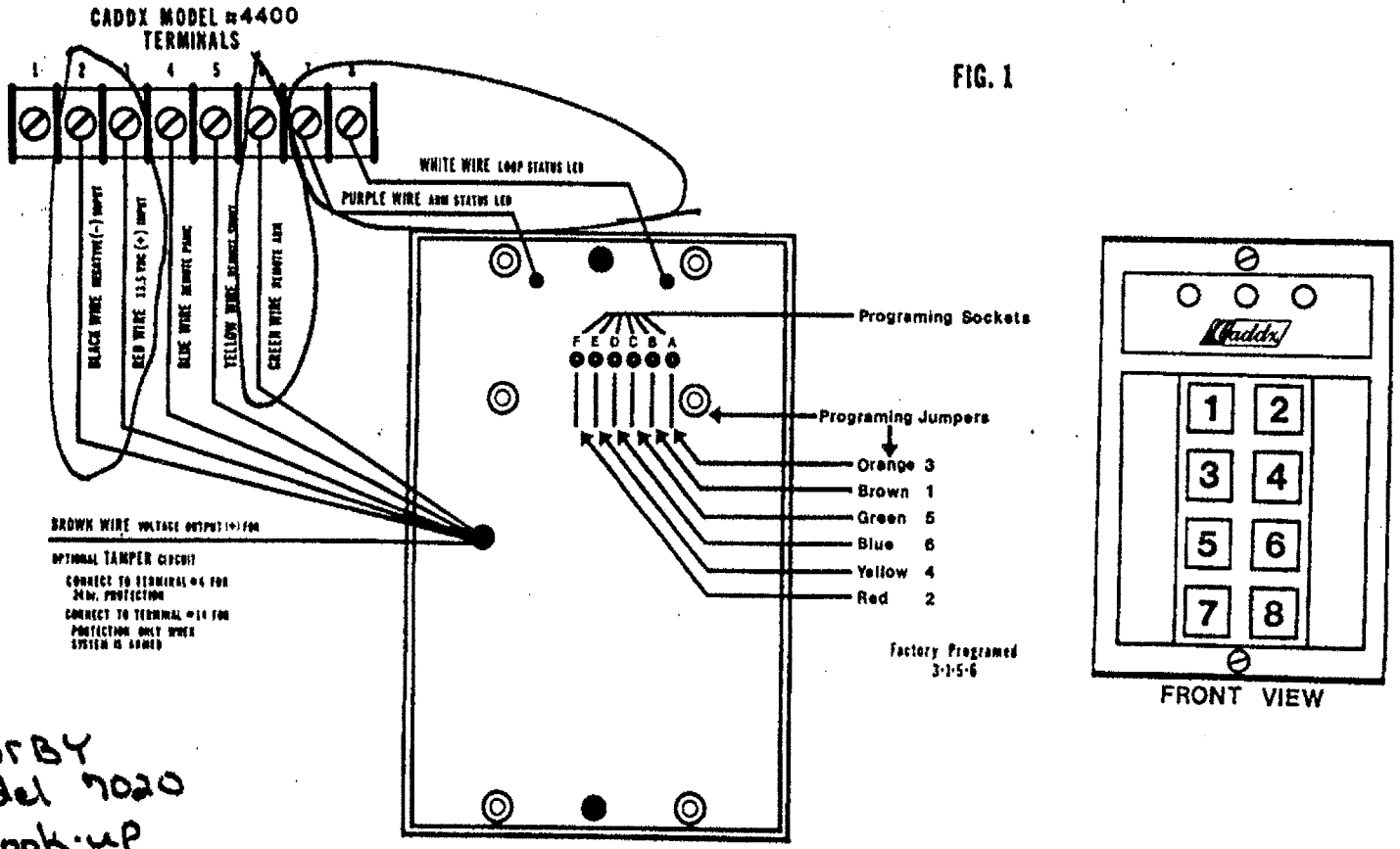


FIG. 1

**CADDX MODEL #8440 REMOTE DIGITAL KEYPAD  
WIRING DIAGRAM**

BY  
Model 7020  
hook-up

**WARRANTY:**

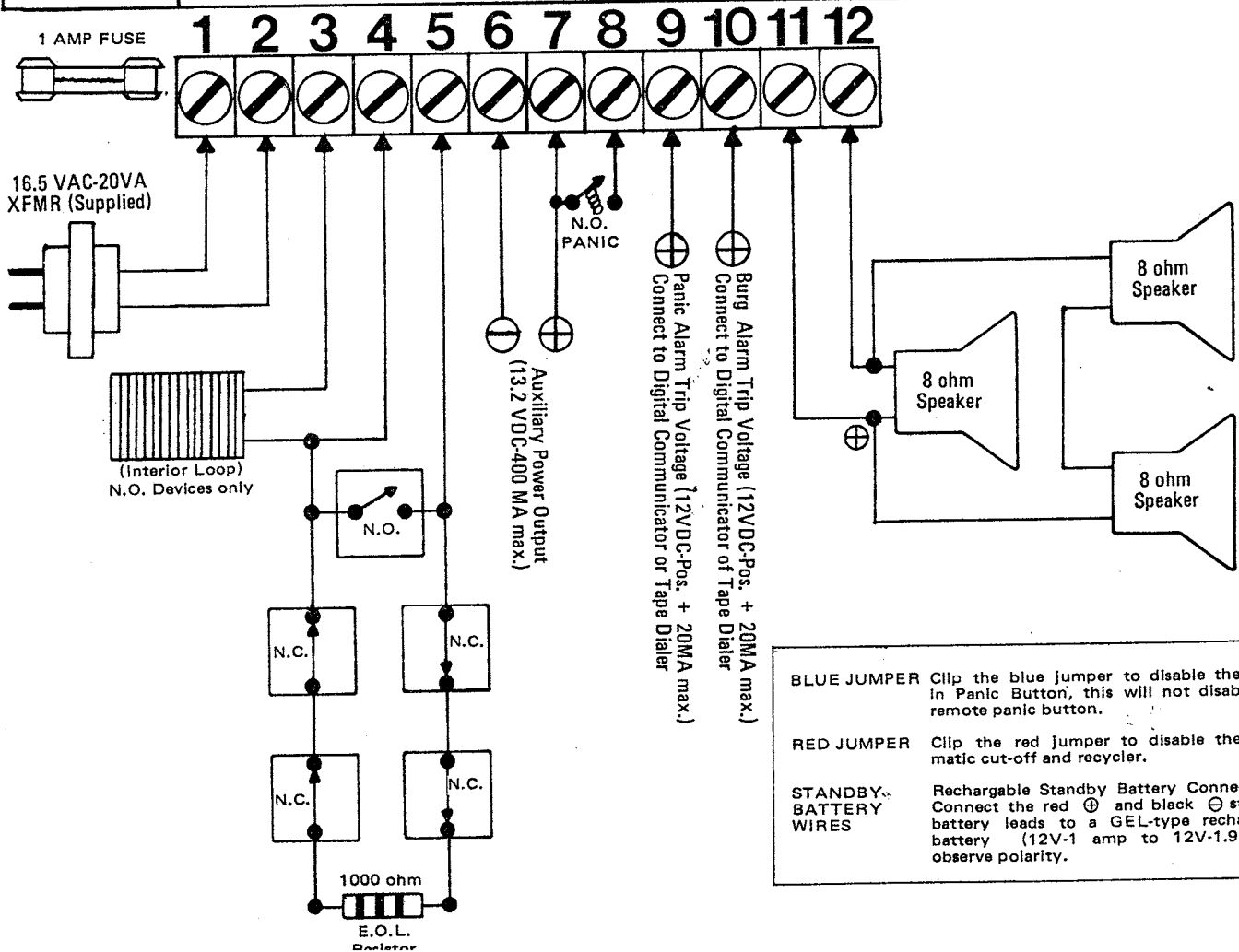
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**CADDI 4000**  
**FLUSH MOUNT RESIDENTIAL CONTROL**

Convertible Alarm Detection Devices, Inc.  
824 East Melhvin  
Longview, Texas 75601

TERMINALS	DESCRIPTIONS
1 & 2	16.5 VAC-20 VA Input: Connect the UL listed plug-in transformer (supplied) to a 24 hour power outlet: Wire output of transformer to 1 & 2 using 18 guage wire.
3 & 4	Interior Protective Loop: Connect normally open devices <u>only</u> (mats, etc.) to terminals 3 & 4: The inside protective loop is active only with the mode slide switch in the "away" position and the system armed: This is a delayed loop. (45 sec. exit/20 sec. entry).
4 & 5	Perimeter Protective Loop: With the mode slide switch in the "in" position the perimeter circuit will create an instant alarm with the system armed: In the "delay" or "away" position the loop is delayed (45 sec. exit/20 sec. entry). Use open and/or closed circuit devices (a pulse extender is required for vibration detectors and window bugs): Maximum loop resistance, 1000 ohms: Wire the 1000 ohm ¼ watt resistor (supplied) to the end of this loop as shown in the diagram.
6 & 7	Auxiliary Power: 13.2VDC (400 MA max.) continuous output for powering other equipment (motion detectors, etc.)
7 & 8	24 Hour Panic Circuit: A momentary closure will create an audible alarm condition and will remain in this condition until the key switch is turned on and then off or until the control recycles at the end of approximately 10 minutes.
9	Panic Alarm Digital Communicator Voltage Output: Becomes positive ⊕ (12 VDC/20 MA) in a panic alarm condition: Recycles at the end of approximately 10 minutes or when the control is manually reset: When using a digital communicator, wire terminal 9 to the appropriate terminal on the communicator to send a special panic alarm code.
10	Burg Alarm Digital Communicator Voltage Output: Becomes positive ⊕ (12 VDC/20 MA) in a Burg alarm condition: Remains positive ⊕ until the control is manually reset: When using a digital communicator, wire terminal 10 to the appropriate terminal on the communicator to send a special burglary alarm code.
11 & 12	Electronic "Bell-tone"  Driver Alarm Output Terminals: Connect 8 ohm (10-30 watt) speaker(s) as shown in the diagram: In any alarm condition the electronic driver will produce a bell like sound and will cut off in approximately 10 minutes if the control is not manually reset: The electronic "Bell-tone"  sound meets the requirements of the <u>latest city codes</u> which outlaw all types of sirens.



**BLUE JUMPER** Clip the blue jumper to disable the built-in Panic Button, this will not disable any remote panic button.

**RED JUMPER** Clip the red jumper to disable the automatic cut-off and recycler.

**STANDBY BATTERY WIRES** Rechargeable Standby Battery Connections: Connect the red ⊕ and black ⊖ standby battery leads to a GEL-type rechargeable battery (12V-1 amp to 12V-1.9 amp) observe polarity.