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Caddx "Classic 3300" Flush Mount Control Installation and Operation Instructions

Description: The Caddx "Classic 3300" is an attractive flush mount 12 volt security control featuring microcomputer design for maximum flexibility and reliability. It has a regulated battery charging circuit and uses a 12 volt 20 VA UL listed plug-in transformer. The #3300 is designed to mount on a standard three gang electrical box and is provided with a plug-in wiring harness making it easy to install and service.

The built-in multi-function keypad allows programming of two separate four digit security codes. Digits may be repeated, providing over 10,000 possible codes. The primary user code will arm/disarm, shunt the interior loop, change the primary user code and enter an auxiliary user code. Once an auxiliary code has been entered, it can perform all keypad functions except changing the primary user code. In addition to the features above, the keypad offers a 24 hour two button panic code.

The "Classic" has three independent burg loops: instant, delayed and shuntable interior. Both the instant and delayed loops provide end of line resistor supervision and are compatible with normally open and/or normally closed loop devices. The shuntable interior loop may also utilize normally open and normally closed loop devices.

Two separate communicator outputs, panic and burg, are built into the #3300. It has a prealarm output which can activate a sounder for 1/2 second on fail safe arming, programming errors, door annunciation and continuously during entry delay. The "Classic" supplies an unregulated voltage to power a siren driver or bell. Unregulated auxiliary power rated at a maximum of 300 mA is available to power peripheral equipment.

Other standard features include a fixed 30 second entry and 60 second exit delay, an eight minute automatic cutoff timer, independent recycling of the instant and delayed burg loops, G-MOV transient protection and an option to silence the panic. All these make the "Classic 3300" the ideal control for a variety of applications where a remote keypad is not required, such as apartments, condos, mobile homes and small residences.

Note: Before you attempt to program the #3300 keep in mind that, as a security precaution, the unit has a built-in time out feature which cancels all keypresses after approximately four seconds of inactivity. During the programming procedure, make sure that no more than four seconds elapse between the pressing of keys because time out begins after the last key has been released. It may be easier, while following the programming steps, to hold the last key depressed while reviewing the next programming step.

Programming the Primary User Code: Each time power is applied to the #3300 or power is interrupted for more than five seconds, the unit defaults to a primary user code of "1-3-4-6". To change the primary user code, simply press "*" - "#", the current primary user code, then "*" - "#", the new four digit primary user code and "*" - "#" once again. Your new primary user code is now programmed into the #3300. To confirm this, try the new code to make sure it will arm and disarm the system.

Example: If the primary user code is "1-3-4-6" and the code desired is "1-2-3-4".

- Step 1 : Press "*" then "#"
- Step 2 : Press "1-3-4-6" (current primary user code)
- Step 3 : Press "*" then "#"
- Step 4 : Press "1-2-3-4" (the new primary user code)
- Step 5 : Press "*" then "#"
- Result : The new primary user code is "1-2-3-4"

Programming the Auxiliary User Code: The #3300 provides an optional auxiliary code. To program this code press "#", the current primary user code, then "#", a four digit auxiliary code, then "#" once again. The auxiliary code is now programmed and will remain there until it is removed or replaced.

Example: If the primary user code is "1-2-3-4" and the auxiliary code desired is "1-2-1-2".

- Step 1 : Press "#"
- Step 2 : Press "1-2-3-4" (current primary user code)
- Step 3 : Press "#"
- Step 4 : Press "1-2-1-2" (an auxiliary code)
- Step 5 : Press "#"
- Result : The auxiliary code is "1-2-1-2"

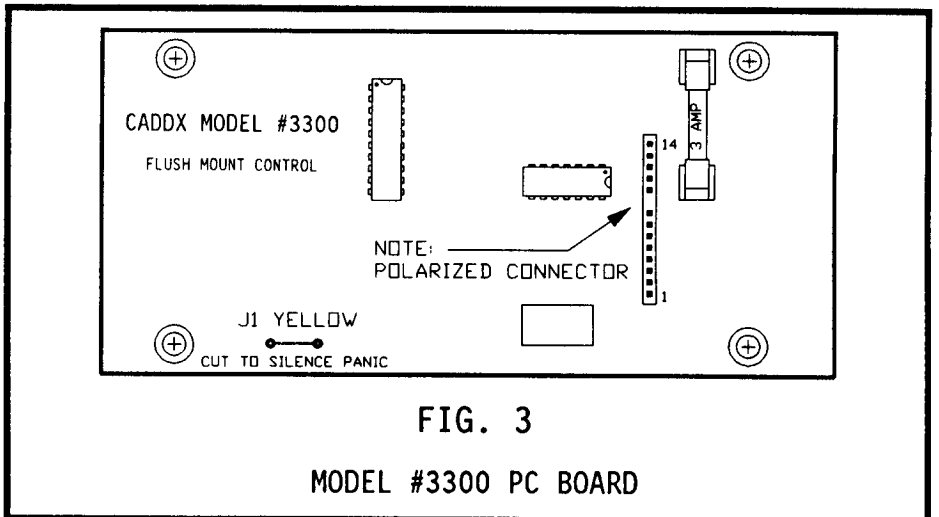
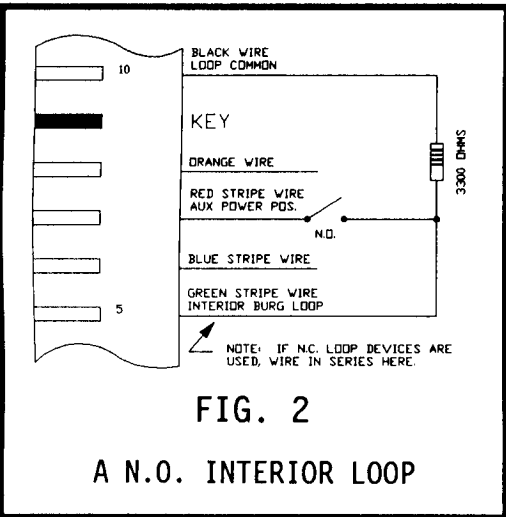
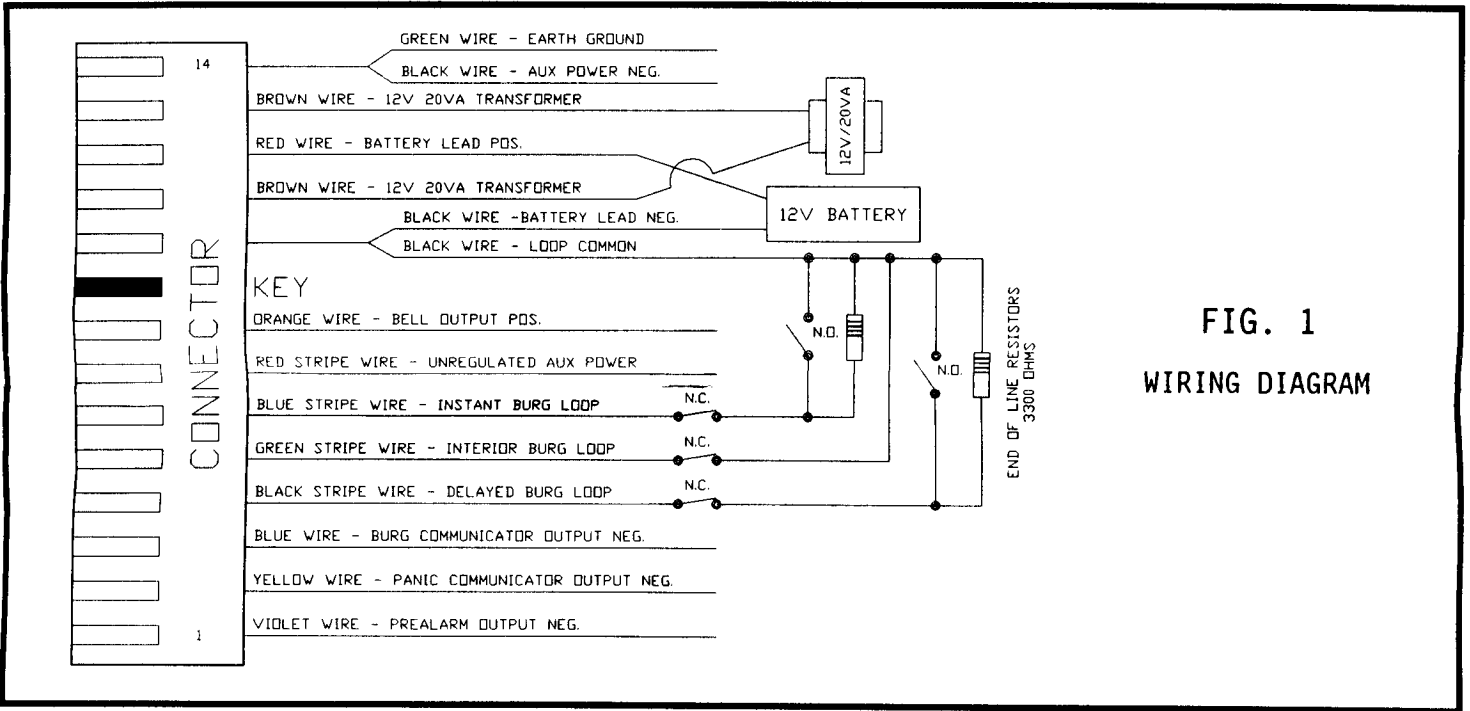
The auxiliary code is removed by replacing it with the primary code. This is achieved by pressing "#", the current primary user code, then "#", the current primary user code once again, then "#". The auxiliary code is now removed from the system. Additionally, anytime the primary user code is changed the auxiliary code will automatically be canceled. The auxiliary code can be changed by pressing "#", the existing auxiliary code or primary code, then "#", the new four digit auxiliary code, then "#" once again.

Shunting Procedure: When the system is disarmed, the interior loop can be shunted. To shunt press "*", the primary user code or the auxiliary user code, then "*" once again. The interior burg loop is now inactive and the "Shunt" LED should be lit to give a visual indication that the interior loop is by-passed. To restore the interior loop, repeat the shunt procedure and the "Shunt" LED should extinguish.

Activating the Panic: The #3300 has a 24 hour panic circuit which can be activated from the keypad. Pressing "*" and "#" simultaneously initiates the panic. During a panic condition, the unit will produce an output to trip a digital communicator. The panic can be either audible or silent. To silence the panic, cut the yellow jumper on the PC board (see Fig. 3). To reset the unit, simply enter the primary code or the auxiliary code, whichever is applicable.

Optional Accessories

- Model #3301 - A Four Channel Digital Communicator - Reports burg, panic, optional low battery and 24 hour silent zone. Reports in most popular formats.
- Model #3303 - A Three Gang Retrofit Backbox - Provides convenient, centralized location for the control (#3300), digital communicator (#3301) and the battery (12V/1.2AH).



Wiring:

The #3300 should be wired in accordance with Fig. 1. If N.O loop devices are to be used in the interior loop, then this loop must be wired as shown in Fig. 2.

Wire Color	Description
Pin 1 Violet	Prealarm Output: This is a negative (-) output to drive a sonalert or equivalent sounding device. Positive (+) voltage can be obtained from aux power.
Pin 2 Yellow	Panic Communicator Output: Communicator output negative (-) for panic. Voltage to power communicator can be obtained from aux power.
Pin 3 Blue	Burg Communicator Output: Communicator output negative (-) for burg. Voltage to power communicator can be obtained from aux power.
Pin 4 Black Stripe	Delayed Burg Loop: Wire N.C. loop devices in series and/or N.O. loop devices in parallel with the 3300 ohm resistor (provided), delayed on both arming and re-entry.
Pin 5 Green Stripe	Interior Burg Loop: Wire N.C. loop devices in accordance with Fig. 1 and N.O. loop devices in accordance with Fig. 2, delayed upon both arming and re-entry. Loop can be shunted (see shunting procedure). If the interior loop is not used, connect this wire to Pin 10.
Pin 6 Blue Stripe	Instant Burg Loop: Wire N.C. loop devices in series and/or N.O. loop devices in parallel with the 3300 ohm resistor (provided). Loop is instant anytime system is armed.
Pin 7 Red Stripe	Aux Power Positive (+): Unregulated positive (+) voltage output at 12 VDC, max 300 mA. Negative (-) voltage can be obtained on Pin 14 black wire.
Pin 8 Orange	Bell Output Positive (+): Unregulated positive (+) voltage output at 12 VDC max 2.5 Amps. This is used to power a siren driver or bell. Negative (-) voltage can be obtained on Pin 14 black wire.
Pin 9 Key	Connector Key: This is to prevent the misalignment of the pin connector.
Pin 10 Black	Loop Common: Connect to one side of each burg loop.
Pin 10 Black	Battery Lead Negative (-): Connect to the negative (-) terminal of a 12 volt rechargeable battery.
Pin 11 Brown	AC Transformer: This wire should be hooked to one side of a 12.0 V/20 VA UL listed plug-in transformer.
Pin 12 Red	Battery Lead Positive (+): Connect to the positive (+) terminal of a 12 volt rechargeable battery.
Pin 13 Brown	AC Transformer: This wire should be hooked to one side of a 12.0 V/20 VA UL listed plug-in transformer.
Pin 14 Green	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.
Pin 14 Black	Aux Power Negative (-): A common negative (-) for the aux power.

Operation: Entering the arm/disarm code will cause the #3300 to change arm status. The control, when armed, will light the "Armed" LED. Whether the control is armed or disarmed, the panic circuit is active and instant. When keys "*" and "#" are pressed simultaneously, the panic circuit will latch, a bell output voltage will be provided and a negative (-) voltage will be supplied to the yellow panic wire (Pin 2) to trip a digital communicator. The panic can be silenced by cutting the yellow jumper (J1).

Violation of the burg loops, in a disarmed condition, will extinguish the "Status" LED but will not create an alarm. When the control is armed, a fixed 60 second delay timer is initiated and during this time the interior and delayed loops are inactive while the instant loop remains active. After the exit delay time has expired, all burg loops become armed. A violation of the instant loop will create an immediate alarm condition, therefore re-entry must be made through a designated delayed loop. An opening or shorting of the delayed burg loop will latch and initiate the entry timer. The entry time out is fixed at 30 seconds. If the system is disarmed prior to the expiration of the entry delay time, the control will return to a normal condition. However, if the entry delay time expires, the system will create an alarm condition. If the interior burg loop is not shunted, it will function the same as the delayed loop. When any burg loop creates an alarm, bell output voltage will be provided and a negative (-) trip voltage is supplied to the blue wire (Pin 3) to activate a digital communicator.

The bell output voltage has an automatic cutoff timer which is fixed at 8 minutes. For all alarm conditions, the bell output voltage will be interrupted at the conclusion of the cutoff time. The system can be reset by entering the arm/disarm code prior to the end of the cutoff time. After the bell has cut off, the system will lock out any loop that has not restored. As each loop restores, it becomes active. When disarmed, shunting the interior burg loop will activate the door annunciator feature of the #3300. In this condition, each time the delayed loop is violated, a momentary voltage is supplied to the prealarm output. To eliminate this feature, simply unshunt the interior loop. In addition, the #3300 has fail safe arming; arming the system with a burg loop violated cannot be done. The system will not arm and a voltage will be supplied to the prealarm 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 #3300 will automatically switch to back-up battery. The "AC ON" LED will extinguish when AC power is lost. Should the AC light be on and all other lights inoperative, check for a blown fuse.

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, at least once a week.

Specifications:

Size: Maximum Measurements: Width : 6.65"
Height: 4.30"
Depth : 0.60"

Shipping Weight: 5.1 oz.

Material: High impact injection molded plastic

Color: White housing with grey trim

Power Input: 12V/20VA AC transformer

Current Drain on Standby Battery: Max 55 mA in alarm

: Max 33 mA in non-alarm

Power Output: 12 volts unregulated DC voltage (Max 300 mA)

Bell Output: 12 volts unregulated DC voltage (Max 2.5 Amps)

WARRANTY:

Caddx-Caddi Controls, Inc. guarantees this product 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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