

**Nitrous Oxide Sedation Systems**  
**CODE INSTRUCTIONS**

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**SECURITY -**  
**CHANGEOVER MANIFOLD**  
**VANGUARD II**

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**SECURITY-CHANGEVER MANIFOLD (VANGUARD II)  
CODE INSTRUCTIONS**

1. Simplest Code From Factory:

Depress three buttons -  
OFF - 1 - OFF

2. To Change Code\*:

- a. Enter present code
- b. Depress OFF button and maintain depressed (red light flashes)
- c. Enter new code\*\* Example: 1-2-3
- d. Release OFF button (triple beep)
- e. Depress within 15 seconds SILENCE button to lock in new code (1 beep)

YOU HAVE NOW RE-PROGRAMMED THE ENTRY CODE.

\* Each code entry will begin and end with the "OFF" button.

\*\* The length of the code can be up to eight digits.

3. To Turn ON the Gas:

Depress OFF, enter present code, depress OFF: 15 seconds later, gas turns on. (Yellow "POWER" light turns on when OFF button is depressed the first time. "POWER" light turns off as the 1st digit of the code is entered.)

4. To Turn OFF the Gas:

Depress OFF button.  
Display panel will intermittently alarm for 5 seconds (12 audible beeps).

5. Accidental Turn Off of sentinel:

If OFF button is depressed accidentally and system is in shutdown alarm sequence, depress the OFF button again and the system will stay on.

6. Forgotten Code: (Red Light Condition)

Depress the "OFF" button so that the yellow "POWER" light is ON.

Depress the "CODE ERASE" button, located next to the N<sub>2</sub>O pressure switch on the manifold P.C. board. The "Factory" code (OFF-1-OFF), is automatically re-programmed by the system and acknowledged at the Vanguard display panel by a single audible beep. Back at the alarm panel, yellow LED is still on, now depress -1-OFF. Wait 15 seconds, yellow LED will go off and tank status and pressure condition lights will come on.