

RANGERTM
SECURITY DETECTORS
ALWAYS ON TARGET

B.O.S.S. IIIs

BODY ORIFICE SECURITY SCANNER

US Patent Numbers 4677384 & 5521583. Others Pending

OPERATOR'S INSTRUCTION MANUAL



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VERSION 2.0

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1. INTRODUCTION

B.O.S.S IIIs is a fast reliable, simple to use, non-intrusive scanning system designed to detect small weapons or contraband metal objects concealed in abdominal cavity, rectal-vaginal cavity and shin area. High precision, non-contact, measurement sensors are housed in the frame of rugged Baltic Birch wood that is coated in RF resistant paint for improved EMI rejection. The sensors provide instantaneous, high sensitivity detection, most ferrous and non-ferrous metals and alloys are detected.

B.O.S.S IIIs is applicable for both law enforcement and loss prevention applications:

- . Prisons, jails and detection centers
- . Customs and Border Patrol Facilities
- . Precious metal mines and refineries
- . Jewelry and watch manufacturing industries
- . Electronic manufacturing



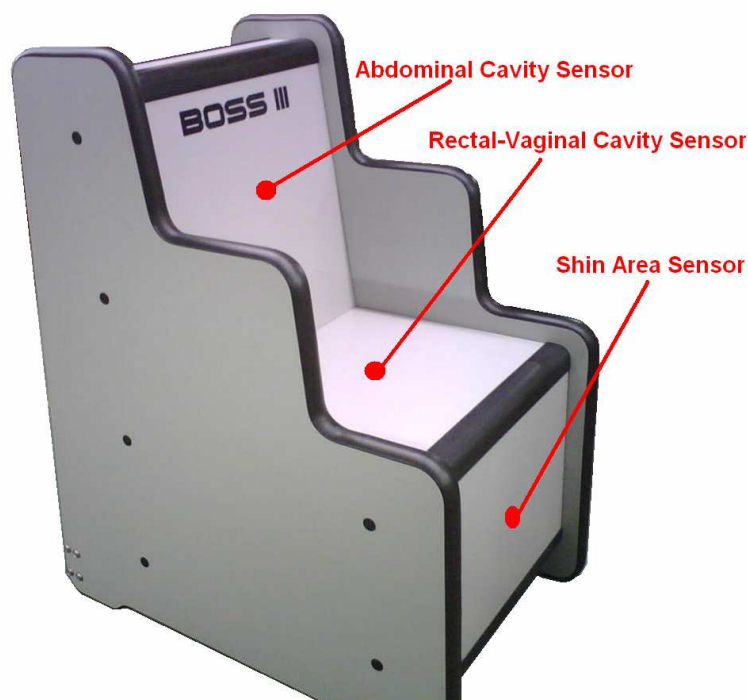
B.O.S.S. IIIs contributes to a safe environment for officers and inmates in correctional facilities as it helps to prevent and deter the entry of weapons. Inmates soon learn that objects such as razor blades, knives, shanks, tools, handcuff keys, etc. will be detected. Security officers now have an alternative to the unpleasant task of conducting routine manual cavity searches and associated administrative work. Because the inspection is non-contact, issues that can arise from invasive searches are reduced.

B.O.S.S. IIIs can also be used in loss prevention applications. It detects items such as gold shot, rings, watches and microelectronic components. Measurements of metal mass allow accurate comparative testing as people enter and exit a secure production area.

The chair configuration ensures accurate position of the subject for detection of any metal object concealed in the body cavity. Relative to a walk-through or hand held scanning device, a much higher measurement of precision is possible.

2. USING THE BOSS IIIs

Detection Zones





Display panel

3. ALARM DISPLAY PANEL



Each of the BOSS III's detection zones alarm status is identified by a green & red LED.

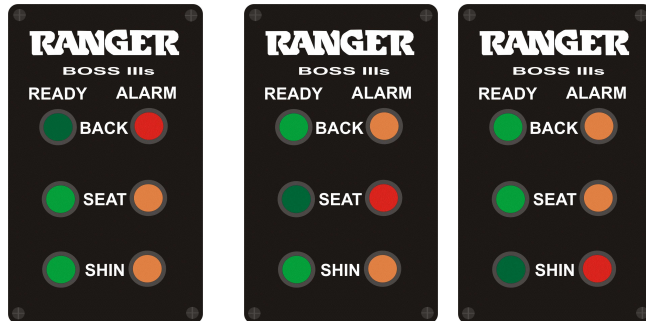
The LED's indicate the activity in the zone.

Green LED's indicate zone is ready.

Red LED's indicate system is in alarm zone.

Zone display

Each Zone has its own alarm indicator.



4. MENU SETTINGS

Operating parameters can only be accessed by an authorized person. Entry into the operating menu is gained by entering a six-digit pass code via the keypad. The scrolling display program stops when the first digit of the pass-code is entered. After accessing the menu if no keypad changes are made within a five minute period, access to the operating parameters is automatically terminated. The display reverts to the scrolling mode.

The default PASS CODE is 123456 and press ENT. This code can be changed to a different one. See change PASS CODE for more information.

Once in the main menu by pressing M↓ or M↑ the menu setting can be display.

SETTING THE SENSITIVITY

In the main menu go to **SENS %** and select the desired sensitivity and press **ENT**.

The sensitivity can be change from 1 to 99.

1 is the lowest sensitivity and 99 is the highest sensitivity.

SETTING THE VOLUME

In the main menu, select **ALM Vol =**. Set the alarm level that best meet your needs and press **ENT**. 0 no sound and 7 is the highest volume.

SETTING THE ALARM TONE

In the main menu, go to **ALM Tone =**. Select from tones 1, 2, 3. And press **ENT**.

SETTING ALARM HOLD

To change the alarm hold, go to **ALM Hold =**, and select 1 to 99 and press **ENT**.

The alarm hold sets the time of red LED illumination. This LED illuminates when a Zone goes to alarm. The time of alarm can be set from 1 to 99.

SETTING TARGET FILTER

To change target filter in main menu go to **Tgt Fr 0-8=**. Select new filter number and press **ENT**.

Sets the amount of low frequency filtering needed to reduce noise in the target spectrum.

CHANGING THE PASS CODE

The pass code can be changed from the factory default code to the one you decide.

To change the pass code in the main menu goes to New OP PC: and press your new pass code twice, press Esc and enter your new Pass Code to enter main Menu.

5. CHANGING THE FREQUENCY

The frequency of the BOSS chair can be changed in order to have multiple units operating in the same area. Another reason to change the frequency is to avoid false alarms.

In order to change the frequency, in the main menu go to **SKW frg 0-8=** and select a different frequency from 1 – 8 and press **ENT**.

6. SPECIFICATIONS

Power Requirement:	115-240 VAC / 47 to 63Hz.
Weight of B. O. S. S. IIIs	138lb. (63kg.)
Dimensions:	36x41x22 inches (91.4x104x55 cm)
Shipping Weight:	268lb. (122kg.)
Shipping Dimensions:	47x39x29 inches (119x99x73 cm)

Note: *Battery powered option is available for this unit. If Unit is purchased with the battery option, please charge battery for eight hours prior to first time use.*

TECHNICAL SUPPORT

Technical Support

The most frequently Asked Questions.

Question: Will the use of the BOSS IIIs affect a person who may be pregnant?

Answer: No. The BOSS IIIs uses a very low intensity magnetic field which has no ill effects on an unborn child.

Question: Will the use of the BOSS IIIs affect a person who uses a heart pace maker?

Answer: No. The BOSS IIIs use a very low intensity magnetic field which has no ill effects on the electronics of a device like a peace maker.

Question: Who uses the BOSS IIIs Security Detection System?

Answer: The main users of the BOSS IIIs are mostly Criminal Correctional Facilities. Secondary users are Precious Metal Mines and some special Loss Prevention Applications.

Question: What is the Warranty on BOSS IIIs?

Answer: Ranger Security Detectors, Inc. warrants the BOSS IIIs against defects in workmanship and material under normal use for a two (2) year period from the date of purchase to the original user. Liability in all events is limited to the purchase price paid. Liability under the aforesaid warranty is to replace or repair at Ranger's option, units shipped cost prepaid to Ranger Security Detectors El Paso, Texas factory.

RMA

Return Merchandise Authorization (RMA)

1. Contact Ranger Security Detectors, Inc to request an RMA number.
2. An RMA Number is required for any repair or returns.
3. RMA Number must be identified on outside of box/package.
4. Merchandise will not be accepted without an RMA.

7. Tech Support Contact Information.

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