

GREAT SOUTHERN SECURITY

OPERATING INSTRUCTIONS FOR CSD-18

The CSD-18 requires one (1) nine volt battery (enclosed in unit). When the unit is not in use, it is important that Sensitivity (SENS) control is ALWAYS TURNED OFF (fully counter-clockwise), the A/B switch and the +/- switch are ALWAYS LEFT IN THE B + POSITION and the rear toggle switch is ALWAYS LEFT IN UP POSITION. The battery will discharge in a matter of hours if this rule is not strictly adhered to! Batteries not delivering the full 9 volts will interfere with proper operation of the unit. The CSD-18 is permanently sealed and servicing can be performed only by Great Southern Security. Any tampering with said seals will void our warranty and we will absolutely refuse to service any unit returned with the seals not intact.

Great Southern Security retains the exclusive rights to the manufacture and marketing of the CSD-18. These proprietary rights are specifically protected under U.S. Patent and Copyright law. Infringement will result in civil liability and/or criminal penalties. The F.B.I. now investigates cases involving copyright infringement and criminal penalties have recently been severely increased.

TRANSMITTER DETECTOR

Transmitters of all types including room, body and telephone transmitters are very easily found with the CSD-18. It is particularly sensitive around the standard FM frequencies, but will detect any transmitting device. Degrees of sensitivity will vary with frequency. The search procedure is extremely simple and uncomplicated.

Place all controls on the CSD-18 in the following positions:

A/B	A
+/-POLARITY	+
SENS	OFF
VOL	OFF
VERIFY	OFF
REAR TOGGLE SWITCH	UP

Turn SENS On and carefully adjust sensitivity clockwise until meter indicated in the 10 -13 range. Wait a few seconds until meter stabilizes somewhat. Add additional gain if required to maintain the 10 -13 range. Extend antenna fully and simply sweep the entire suspect area. Slowly and carefully cover the entire area going to within 6 inches of all objects and walls. All devices emitting electromagnetic radiation will cause some deflection so be certain to turn off radios, TVs, etc.

When a transmitting device is approached the meter deflection will increase proportionally to the proximity of the transmitter. Sweep with the antenna in the horizontal, vertical and diagonal positions. After area is completely covered, retract antenna to halfway position and repeat search. Repeat search again with the antenna completely retracted. Any meter deflection that increases when the CSD-18 is brought closer to any one particular object always calls for a thorough physical examination of the suspected object. To verify the source of any indicated deflection, repeatedly reduce the sensitivity as soon as the needle approaches maximum deflection. Maximum deflection is defined as full needle movement to the right side (exceeding 15).

The CSD-18 has been engineered to produce extreme sensitivity in virtually all the eavesdropping frequencies. You may test the unit by performing the above procedure using any walkie-talkie, mobile telephone or even your TV as a test instrument. Turn TV ON and with antenna extended and sensitivity adjusted to the 13 range approach your TV. When needle starts to deflect, turn TV OFF. The CSD-18 needle deflection should minimize instantly.

The CSD-18 will even pick up transmitters in the micro-wave frequencies and this may be tested using your micro-wave oven as a test instrument as described above. In fact, the extreme sensitivity of the CSD-18 can be used to reveal even minutely small amounts of micro-wave leakage from your micro-wave oven. Turn oven ON and OFF with CSD-18 relatively close to oven and observe meter deflection.

After search procedure is completed, turn SENS OFF, A/B switch to B position and Polarity switch to + position.

WIRETAP DETECTOR

IMPORTANT CAUTION*** NEVER DEPRESS THE TEST BUTTON WHEN THE CSD-18 IS CONNECTED TO AN ACTIVE TELEPHONE LINE THAT HAS NOT BEEN DISCONNECTED FROM THE TELEPHONE COMPANY LINE AT THE SURGE PROTECTOR OR TERMINAL BOX.

BASIC TEST FOR INFINITY TYPE DEVICES

When performing the infinity test described below, in certain areas the "ring" is rendered inoperative. Do not allow the CSD-18 to be plugged into the telephone line (with the VOL and VERIFY controls ON) for extended periods.

Plug CSD-18 into telephone line and place all controls on the CSD-18 in the following positions:

A/B..... A
+/-POLARITY..... -
SENS..... OFF
VOL..... OFF
VERIFY..... OFF
REAR TOGGLE SWITCH.....DOWN

INF LED should be off, or glow slightly. Turn VERIFY ON and VOL ON. Pick up telephone and then immediately hang it up. Upon hanging up the telephone, INF LED should initially glow noticeably and then brightness may gradually lessen (become dimmer). If there is NO noticeable brightening of the INF LED immediately upon hanging up the telephone, it will indicate the possible presence of an INFINITY type device on the line. This test will pick up INFINITY type devices placed anywhere along the telephone line.

Return controls to above positions.

The CSD-18 will monitor the phone line and will allow you to listen in to an active INFINITY device so that you may hear the exact sounds that the eavesdropper is monitoring. This can be accomplished completely without his knowledge and the sounds that are heard will immediately give you the location of the INFINITY microphone.

With CSD-18 controls set as indicated above, insert Headphones into jack in rear of unit. The headphones are of exceptional quality and the plug is goldplated to provide utmost conductivity and sensitivity. Turn VERIFY ON and turn VOL to MAXIMUM volume or to a comfortable level (if Headphones have external Volume controls, turn Vol UP to maximum volume). Normal line noise (a low hum or similar sound) should now be present through the headphones.

You are now listening to whatever sounds are present on the telephone line with the telephone "on the hook". Should any room noises ever be present thru the headphones with all telephones on the hook, you have a 100% indication that an INFINITY type device is on the line and is active at that moment.

Reduce volume somewhat and pick up telephone. Use care to lower the volume before picking up the telephone because the CSD-18 provides extreme sensitivity and is capable of producing considerable volume (necessary for monitoring INFINITY devices). Do not turn VERIFY OFF when listening thru the headphones, as this will usually generate a loud noise directly into the headphones. Adjust VOL to comfortable level. Dial tone should now be present thru the headphones. If any squeal develops, it may be removed by adjusting VOL level or changing position of A/B control or +/- control. Press any number key on telephone to remove dial tone. Room sounds should now be present on the line. This is the same effect that an INFINITY type device produces when it cuts in the telephone mike or an external mike. Hang up the telephone.

After test is completed turn SENS OFF, VOL OFF, VERIFY OFF, A/B switch to B position, Polarity switch to + position and rear toggle switch UP.

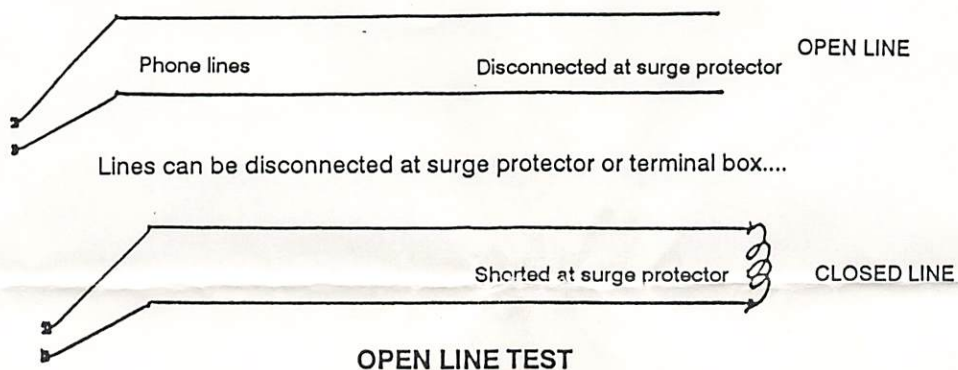
TELEPHONE LINE ANALYSIS

The following tests are performed with the telephone line disconnected from the telephone company. This is done by disconnecting the line from the telephone company at the surge protector or terminal box before it heads outdoors to the main cable.

Place all controls on the CSD-18 in the following positions:

A/B A
+/- Polarity +
SENS ON
VOL OFF
VERIFY OFF
REAR TOGGLE SWITCH UP

Unplug all telephone instruments and/or any computer, fax, etc. Telephone line should now be OPEN AT BOTH ENDS as shown. The following tests are to be made in 2 stages. One with the line open and one with the line closed (with a jumper) across the line at the surge protector or terminal box.



Hold down TEST button while switching polarity from + to -, back and forth repeatedly. ALERT LED should indicate equal or no brightness in either polarity. Do not switch back and forth between A and B. If brightness varies in either + or - polarity, an improper telephone line reading is indicated. Random or inconsistent flashing of the alert LED is to be ignored. Only a CONSISTENT difference in brightness between + and - polarity is to be considered improper.

CLOSED LINE TEST

Place the A/B switch in the B position. Repeat the same procedure described above in the OPEN LINE TEST.

Any improper readings on an OPEN line will indicate the possible presence of a parallel type tap such as a telephone recording device, parallel telephone transmitter or infinity type device. Any improper readings on a CLOSED line will indicate a series tap such as a series telephone transmitter, etc.

If any tests indicate an improper telephone line reading, check to see that all CSD-18 controls were placed in the proper position prior to the test. Also check to see that all equipment such as extension phones, computer modems, and fax units were removed from telephone line.

When tests are completed, always turn SENS OFF, AB switch to B position, Polarity Switch to + position and rear toggle switch UP to preserve battery.

TESTING FOR THE LATEST DEVELOPMENTS

The search for ultra-sophisticated telephone eavesdropping equipment including those designed to defeat detection by the use of polarity negating circuitry requires the following test procedure.

Place all controls on the CSD-18 in the following positions:

A/B	A
+/- POLARITY	+
SENS	ON
VOL	OFF
VERIFY	OFF
REAR TOGGLE SWITCH	UP

Unplug telephone instrument/s and/or any computer, fax, etc. Telephone line should now be OPEN AT BOTH ENDS as indicated in previous OPEN LINE line test.

Carefully turn SENS adjustment clockwise until needle rests on 5. Hold down the TEST button while switching polarity back and forth repeatedly from + to - a minimum of 15 to 20 times.

If, AT ANY TIME, the needle deflection EXCEEDS 5.5, this indicates the possible presence of a polarity negating telephone recording or telephone transmitting device. Ignore the TEST LED when performing this test.

This is an extremely sensitive test and some needle drift is normal. When performing this test, it may be necessary to readjust to the 5 setting periodically. Also, following this test, some CAREFUL readjustment to the meter needle adjustment screw (below the meter) may be required to bring it back to the 0 position.

The detection of telephone devices used for automatically recording telephone conversations that have FCC type approval and thus meet the FCC telephone line-loading limitations (such as those sold by Radio Shack, etc.) also require this test procedure.

INFORMATION PACKAGE
WILL FOLLOW
UNDER SEPARATE COVER

THANK YOU