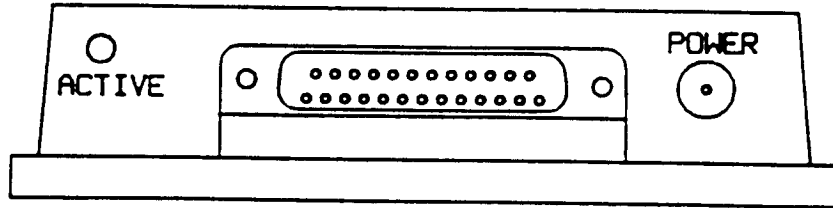


**SILENT KNIGHT**  
**MODEL 5530**  
**MODEM**  
**INSTALLATION MANUAL**  
**REVISED JUNE 1990**  
**PART NUMBER 150478**

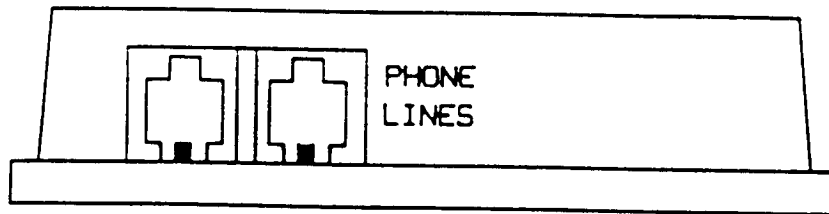
### MODEL 5530 MODEM

The Model 5530 is a small, answer only MODEM which can be used with the Model 5520 Programmer or with a downloading computer. The 5530 also has an ACTIVE light which allows the user to see when the it is communicating. The 5530 is powered by a 14-VAC, 20-VA minimum Class II transformer (supplied--P/N 115041). The illustration below represents the front and rear views of the 5530.

MODEL 5530 FRONT VIEW



MODEL 5530 REAR VIEW



### PHONE LINE CONNECTION

There are two phone jacks (type RJ11) on the back side of the 5530. Connect one end of the phone cord (provided) to either one of the jacks. Connect the other end of the phone cord to a telephone line. A second phone jack is provided on the 5530 for connection to a telephone. This allows normal phone use when the 5530 is not active.

*NOTE: The modem cannot be attached to PBAX or PBX type systems. It must be attached to standard phone lines.*

**CAUTION: DO NOT attempt to use the telephone while the active light is on. This may cause interference which will result in lost data.**

### RS-232 CONNECTION

The 25 pin connector is used to connect the 5530 to the 5520 or a computer. If you will be connecting the 5530 to a 5520, use the cable provided with the 5530. If you will be connecting the 5530 to a computer, consult the computer's user manual for proper connection.

### POWER CONNECTION

Plug the small connector of the transformer into the socket labeled POWER in the diagram above. Plug the transformer into a 120VAC 60Hz wall outlet.

### ACTIVE LIGHT

The red Active light is ON when the 5530 is using the phone line.

**SPECIFICATIONS**

BAUD RATE - 300  
TRANSMISSION LEVEL - BELL 103 FORMAT  
STANDBY CURRENT - 13MA  
ACTIVE CURRENT - 20MA  
SUPPLY VOLTAGE - 9 TO 16 V AC/DC

**RS-232 CONNECTOR**

SPECIFICATIONS - EIA RS-232 DCE DB25S

SIGNALS SUPPORTED:

PIN	NAME	DIRECTION	FUNCTION
2	/SO	TO MODEM	TX DATA
3	/SI	FROM MODEM	RX DATA
4	RTS	TO MODEM	TX CARRIER ENABLE
5	CTS	FROM MODEM	ALWAYS ON
6	DSR	FROM MODEM	ALWAYS ON
7	GND	COMMON	CIRCUIT GROUND
8	RLSD	FROM MODEM	RX CARRIER DETECT
20	DTR	TO MODEM	OFF HOOK ENABLE
22	RING	FROM MODEM	ON DURING RING

**RJ11 PHONE JACKS**

Use an RJ11 patch cord to connect the MODEM to the phone line. You may use either of the two jacks on the MODEM. The second jack may be connected to a telephone which may be used for voice calls, as an audible ring indicator, or in troubleshooting. Note; however, that listening to the telephone during data transmission will degrade the signal quality.