

SERVICE MANUAL

FOR

MODEL SSP-561-D

**HANDSFREE STAINLESS STEEL TELEPHONE
WITH AUTOMATIC DIAL FEATURE**

EQUIPPED WITH SPK1.07UNVLR1 FIRMWARE



Serving the Telephone Industry Since 1930

*Communication Equipment
& Engineering Company*

519 W South Park Street
Okeechobee, FL 34972

Voice: 863-357-0798

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IMPORTANT INFORMATION FOR CUSTOMER

Please fill in before you continue.

The following information is necessary when calling CEECO for assistance.

MODEL NUMBER	MODEL SSP-561-D EQUIPPED WITH SPK1.07UNVLR1 FIRMWARE
SERIAL NUMBER	
DATE MANUFACTURED	
LOCATION INSTALLED	

For us to better serve you, please have this information available when calling for technical support.

CEECO Communication Equipment & Engineering Company

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1.0 INTRODUCTION

The practices in this manual provide installation and maintenance information for Model SSP-561-D Telephone, equipped with SPK1.07UNVLR1 firmware.

The information in this manual is subject to change without notification.

For information not included in this manual, please call or write:

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2.0 GENERAL

- 2.1 The CEECO hands free telephone is a sturdy, vandal resistant, stainless steel speakerphone. Instead of a hookswitch and handset, the telephone has a press to start/press to stop button for the initiation and termination of phone calls. Manual volume control is also provided inside the telephone on the PC board.
- 2.2 The microphone is muted during periods of dial tone to deter the use of hand held dialers to make fraudulent calls.
- 2.3 Incoming calls may be allowed or blocked depending on the programming.
- 2.3 Programming is accomplished by way of a DTMF keypad, which is provided separately.

3.0 PROGRAMMING

NOTE: It is recommended that you ground yourself to prevent ESD damage to the PCB(s).

- 3.1 **Connect the telephone** to a working telephone line or a DTMF test set.
- 3.2 Locate the pair of plastic **mini-jumpers** along the edge of the PC board. Move them to the “**on**” or inner most position as depicted in the diagram on the last page of this manual.
- 3.3 **Press** the “CALL & HANGUP” **button** and wait for dial tone before entering programming digits.
- 3.4 **Enter #97#18#**, which **will clear all** user programmable memory.

NOTE: Once the # key has been entered, you may hear a fast busy tone, an operator recording, or other Central Office signals. Please disregard these sounds and continue programming, as they will have no effect on the programming.

- 3.5 Each programming location is accessed by dialing the # sign and the corresponding two digit code. The previous contents of the location are automatically erased when the location code is accessed.
- 3.6 **Enter #00** to enter the telephone options location. By entering a selected number of 0-9 for each of the ten digits represented on the following page, the phone is customized for the particular installation. **Enter the ten (10) selected digits** now.

PROGRAMMING CONTINUED

Location #00

Digit 1

0 **Always 0** for this model.

Digit 2

0 **No** incoming calls allowed.

1 Incoming calls allowed.

Digit 3

0 No conversation time-out.

1-9 Minute(s) conversation time-out.

Digit 4

0 **Always 0** for this model.

Digit 5

0 **Always 0** for this model.

Digit 6

0 **Always 0** for this model.

Digit 7

0 **Always 0** for this model.

Digit 8

0 **Do not** dial PBX access number #18.

1 Dial PBX number stored in location #18.

Digit 9

0 **Always 0** for this model.

Digit 10:

0 No wink detect.

1-9 Length of the wink detect.
(1=50ms incremental to 450 ms. **5 is recommended**).

EXAMPLE: Dial #00 0160000005. The phone will be set as follows:

Digit 1- Always 0.

Digit 2- Incoming calls allowed.

Digit 3- 6 minute conversation time out.

Digit 4- Always 0.

Digit 5- Always 0.

Digit 6- ADA deactivated.

Digit 7- Always 0.

Digit 8- Do not dial PBX access number.

Digit 9- Always 0.

Digit 10- 250 ms wink detect.

- Be sure to log your entries below for future reference.

(OPTION TABLE) #00 0 0 0 0 0 0
 1 2 3 4 5 6 7 8 9 10

PROGRAMMING CONTINUED

- 3.7** In order to cause the phone to automatically dial a number (**Auto dial**) when the button is pressed, **enter #19 followed by the desired number**. The number may range from 1-11 digits. The time-out disconnect feature (if programmed) will start after this number has been dialed.

EXAMPLE: Enter #19 5551212. This will cause the phone to automatically dial the seven-digit number, 5551212, when the “CALL & HANGUP” button is pressed.

- 3.8** If a **PBX number** must first be dialed before the auto dial number, **enter #18 followed by the desired PBX access number**. The number may range from 1-11 digits. Provided that a 1 was entered under Digit 8 in section 3.6, the PBX number will automatically dial first, followed by a 1 second pause, and then the auto dial number from section 3.7 will automatically dial.

EXAMPLE: Enter #18 18001234567. This will cause the phone to automatically dial 18001234567, followed by a 1-second pause, followed by the automatic dialing of the number programmed in section 3.7.

- 3.9** When programming is finished, press the “CALL & HANGUP” button to hang up the phone. Return the two **mini-jumpers** to the “**off**” or outermost position, as depicted on the last page of this manual. Secure the telephone to its mounting. The phone is now ready for use.

4.0 OPERATION

To make a call, press the “CALL & HANGUP” button located on the front of the telephone and wait to hear dial tone. The LED will illuminate red at this time and the programmed auto-dial numbers will dial out on the line. When the call is complete, press the “CALL & HANGUP” button to hang up the phone. The call will be terminated and the LED will go out.

NOTE: If the telephone is being used to make emergency calls, CEECO cannot assume responsibility for the called party’s response.

5.0 RECOMMENDED TOOLS AND TEST EQUIPMENT

Volt/Ohm Meter	3/8" Nut Driver
Security Tool (CEECO Part Number 301-037)	5/16" Nut driver
Flat Blade Screw Driver	
DTMF Test Set	

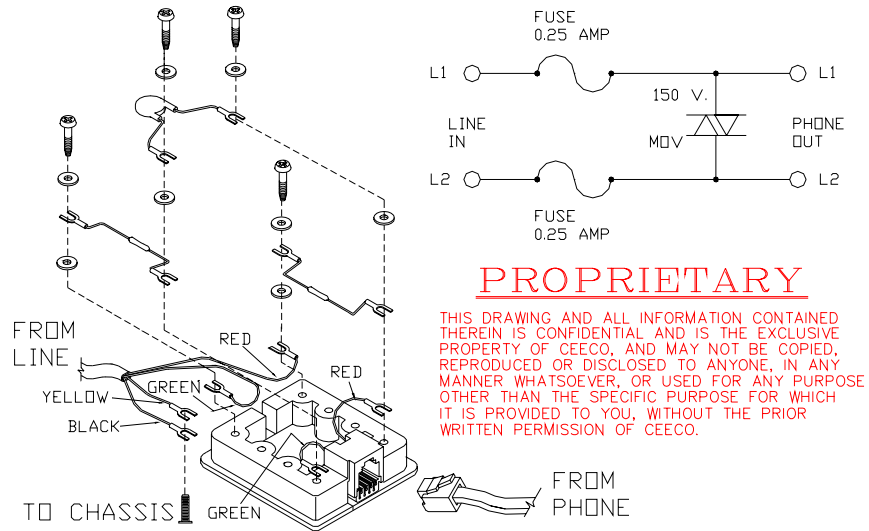
6.0 INSTALLATION NOTES AND ASSEMBLY INSTRUCTIONS

- 6.1 Using a 301-037 security tool (sold separately), loosen and remove the security screws.
- 6.2 The security tool is for a standard 5/32" button head screw generally used on the framework of the phone booths.
- 6.3 Separate the faceplate assembly from the apparatus box by pulling the faceplate forward.
- 6.4 The telephone is designed for vertical surface mounting. The optional apparatus box is designed to be mounted flush on any flat vertical surface. Mounting holes are provided on the back and all sides of the apparatus box.
- 6.5 Run the inside station wire into the apparatus box and terminate on the RJ11C modular jack inside, as depicted in the diagram on the following page. **The CEECO-provided modular jack must be used, as it contains required over-voltage protection.**
- 6.6 The use of a gas tube, or carbon station protector is recommended. The station ground should not exceed 50 ohms.
- 6.7 Plug the modular line cord from the faceplate assembly into the RJ11C terminal block.
- 6.8 Dress the line cable away from the security screws and seat the faceplate into the apparatus box.
- 6.9 Secure the faceplate assembly by tightening the security screws.

*******WARNING*******

- A. Never install telephone wiring during a lightning storm.**
- B. Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.**
- C. Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.**
- D. Use caution when installing or modifying telephone lines.**

6.10 OVER-VOLTAGE PROTECTION DIAGRAM



7.0 TESTING

- Action: Connect the telephone to the telephone line.
Press the “CALL & HANGUP” button.
- Reaction: Dial tone is heard and red LED illuminates.
Programmed number(s) automatically dials out.
- Action: The called party answers.
- Reaction: A normal speakerphone conversation is allowed.
- Action: Finish the conversation.
Press the “CALL & HANGUP” button to hang up the phone.
- Reaction: The LED goes out.
The call is terminated.

8.0 SPECIFICATIONS

Input Power:	C.O. Line Powered (48-52 Volt Loop)
Loop Current:	30 mA min. 80 mA max.
Impedance:	600 Ohms.
Signaling:	DTMF, 70 ms tone, 50 ms spacing.
Output:	-4.0 to -6.0 dbm.
Environmental:	Temperature 0°C to 50°. Humidity 20% to 90%.
Programming:	Via DTMF keypad.
Dimensions: (SSP)	10.25" wide x 13.125" high x 2.625" deep (handset on hook).
Mounting:	Vertical surface mount.
Weight:	Approximately 8 lbs.
UL listed no.:	60F5
FCC registration:	BW8USA-73021-MT-E
Ringer equivalence:	0.4a
Type jack:	RJ11C

9.0 PARTS LIST

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
4	406-019	Outer cover security screw
1	301-018	Modular line cord
1	301-054-UL	Modular Connector (RJ11C)
1	700-008	Keypad Cable
1	660-000	CEECO SPK PC board
1	705-110	Connectorized Keypad
1	6020	Momentary Panel Switch
1	14123	Speaker
1	14067	Microphone
1	391-002	Stainless Steel Panel
1	361-01	Mounting Box
1	12017	Ringer
 <u>OPTIONS</u>		
1	301-037	Security Tool.

10.0 FCC NOTICE

10.1 FCC REGISTRATION AND REPAIR INFORMATION

Your new telephone has been registered with the Federal Communication Commission (FCC) in accordance with Part 68 of its rules. The FCC requires that you be advised of certain requirements involving the use of this telephone.

10.2 CONNECTION WITH THE NATIONWIDE TELEPHONE NETWORK

The FCC requires that you connect this telephone to the Nationwide Telephone Network through a registered jack provided by the Telephone Company in your area. This jack is a modular outlet, which you can order from your local telephone company.

10.3 NOTIFICATION TO THE TELEPHONE COMPANY

Before connecting this telephone, the FCC requires that you notify your local telephone company business office. The number is in the front of your phone book.

Tell them: The "line" to which you will connect the telephone (that is, your phone number) and the telephone's FCC registration number and ringer equivalence number. These numbers are listed in section 9.0.

The FCC further requires that you notify your local telephone company when permanently disconnecting this telephone.

11.0 REPAIR AND RETURN INFORMATION

11.1 WARRANTY REPAIR

Any device returned requiring warranty service, repair or credit must be accompanied with a "Return Material Authorization" (RMA) FORM. It must include return shipping instructions, original purchase order number and special marking instruction. A description of the trouble observed must be attached to the defective unit. This information must be inside the shipping container.

11.2 DIRECT ALL INQUIRES TO:

CEECO
Repair Department
863-357-0798- telephone
863-357-0006- facsimile
info@ceeco.net
www.ceeco.net

11.3 NON-WARRANTY REPAIR

CEECO will repair equipment out of warranty for a set charge plus parts. The customer must pay the shipping costs both directions.

11.4 RETURN FOR CREDIT

Material may be returned for credit only with prior approval. Material authorized for return is subject to a 20% restocking charge based on the manufacturer's list price. Return RMA must be requested no later than 30 days after original shipment.

12.0 WARRANTY POLICY

12.1 GENERAL

CEECO products are guaranteed to be free of defects in material and workmanship for a period of 12 months from the date of original shipment, if properly installed and maintained. This warranty is limited to the value of material only.

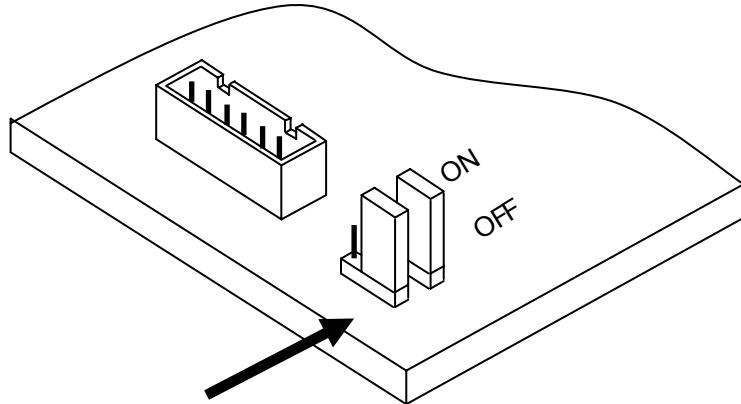
CEECO will repair or replace any unit during this period if found to be defective for reasons other than abuse and improper use or improper installation. It is the buyer's responsibility to return the defective unit to the factory. CEECO will then repair or replace any defective parts and return them to the buyer free of charge.

12.2 PRINTED CIRCUIT BOARDS

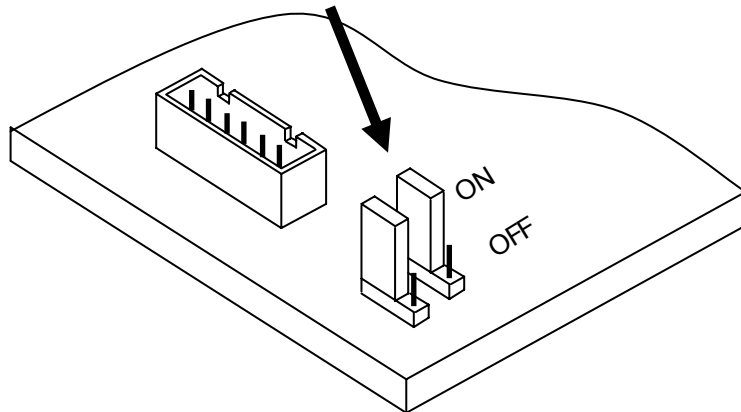
Printed circuit boards should not be repaired in the field. If a unit is found to be faulty, replace it with another unit and return the faulty unit to CEECO for repair. Modifications by any one other than CEECO will void the warranty.

13.0 DIAGRAM

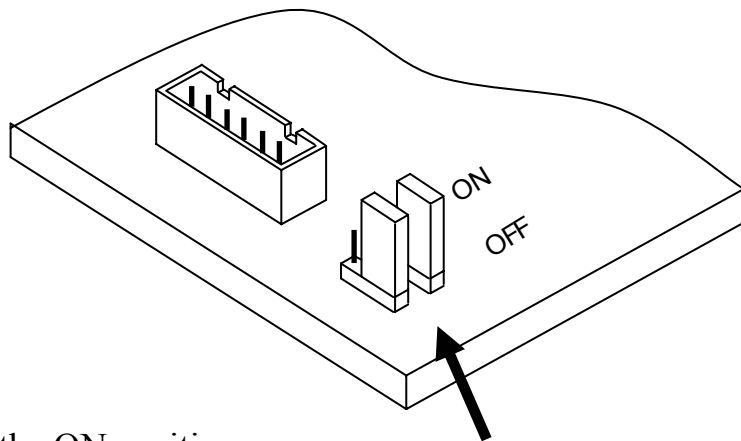
Locate the mini jumpers on the corner of the PCB.



Move the **mini jumpers** to the **ON** position **BEFORE** going off-hook.



When programming is completed, move the **mini jumpers** to the **OFF** position.



NOTE:

Do not leave the mini jumpers in the ON position; this will decrease battery life.