

SERVICE MANUAL

FOR

MODEL SSP-561-F

HANDSFREE STAINLESS STEEL TELEPHONE

WITH OPTIONAL ADA FEATURE

EQUIPPED WITH SPK1.07r1 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-F WITH OPTIONAL ADA FEATURE, 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 the CEECO Model SSP-561-F Telephone.

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 SSP-561-F is a sturdy, vandal resistant, hands free telephone, constructed with a heavy-gauge, stainless steel panel. Instead of a hookswitch and handset, the telephone has a Press to start/Press to stop button for initiation and termination of phone calls. Manual volume control is also provided inside the telephone.
- 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.
- 2.4 Programming is accomplished via the DTMF keypad.
- 2.5 The telephone is equipped with an optional ADA feature (color-changing LED) that when activated provides a visual call progress indication.

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 Begin by entering **#97#19#**, 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, followed by a series of ten (10) digits** as selected from the following page. Location “00” is the telephone options location. By entering a selected number of 0-9 into each of the ten digit locations, the phone is customized for the particular installation.

PROGRAMMING CONTINUED...

- Be sure to record your selections below for future reference.

#00 _ _ 0 _ 0 0 1 0 0 _

Digit 1:

- 0 Call restrictions are in effect. (*Must be set to 0 to implement call restrictions in section 3.7).
- 1 No call restrictions.

Digit 2:

- 0 No incoming calls allowed.
- 1 Incoming calls allowed.

Digit 3:

- 0 **Always 0** for this model.

Digit 4:

- 0 No Automatic Call Disconnect. For Call Button.

- 1-9 Minute(s) Automatic Call Disconnect (Telephone will automatically disconnect and reset after the selected time period).

Digit 5:

- 0 **Always 0** for this model.

Digit 6:

- 0 Deactivate ADA feature (Changing LED).
- 9 Activate ADA feature (Changing LED).

Digit 7:

- 1 **Always 1** for this model.

Digit 8:

- 0 **Always 0** for this model.

Digit 9:

- 0 **Always 0** for this model.

Digit 10:

- 0 No Wink Detect
- 1-9 Length of the Wink (1 = 50ms incremental to 450ms. **5** is recommended)

PROGRAMMING CONTINUED...

EXAMPLE:

Enter #00 0106091005

Phone will be set as follows:

DIGIT 1 .. CALL RESTRICTIONS IN EFFECT
 DIGIT 2 .. INCOMING CALLS ALLOWED
 DIGIT 3 .. ALWAYS 0
 DIGIT 4 .. 6 MINUTE TIME OUT
 DIGIT 5 .. ALWAYS 0
 DIGIT 6 .. ADA LED ACTIVATED
 DIGIT 7 .. ALWAYS 1
 DIGIT 8 .. ALWAYS 0
 DIGIT 9 .. ALWAYS 0
 DIGIT 10 .250ms WINK

3.7 LOCATION #71-#89: (ALLOWED CALLS)

If it is necessary for the phone to implement call restrictions, enter the “allowed” numbers as described in this section. Otherwise, proceed to the next section. The allowed number(s) can range from 1 to 11 digits. There are twenty (20) memory locations available (#71-#89). Simply **enter** the intended **memory location, followed by the desired/allowed calling pattern.**

EXAMPLE:

NOTE: The * (Asterisk) symbol is defined as a wildcard. This means that any digit 0-9 may be entered in its place from the telephone keypad.

#71 0-***-***-****	Allows all 0 minus and 0 plus calls.
#72 1-555-1212	Allows 1-555-1212 information calls.
#73 911	Allows 911 emergency calls.
#74 1-800-***-****	Allows 1-800 calls.

Etc.

- Be sure to log your entries in the allowed call table on the next page for future reference.

PROGRAMMING CONTINUED...**ALLOWED CALL TABLE**

#70 _ - _ - _ - _ - _ - _ - _ - _ - _ -	#80 _ - _ - _ - _ - _ - _ - _ - _ - _ -
#71 _ - _ - _ - _ - _ - _ - _ - _ - _ -	#81 _ - _ - _ - _ - _ - _ - _ - _ - _ -
#72 _ - _ - _ - _ - _ - _ - _ - _ - _ -	#82 _ - _ - _ - _ - _ - _ - _ - _ - _ -
#73 _ - _ - _ - _ - _ - _ - _ - _ - _ -	#83 _ - _ - _ - _ - _ - _ - _ - _ - _ -
#74 _ - _ - _ - _ - _ - _ - _ - _ - _ -	#84 _ - _ - _ - _ - _ - _ - _ - _ - _ -
#75 _ - _ - _ - _ - _ - _ - _ - _ - _ -	#85 _ - _ - _ - _ - _ - _ - _ - _ - _ -
#76 _ - _ - _ - _ - _ - _ - _ - _ - _ -	#86 _ - _ - _ - _ - _ - _ - _ - _ - _ -
#77 _ - _ - _ - _ - _ - _ - _ - _ - _ -	#87 _ - _ - _ - _ - _ - _ - _ - _ - _ -
#78 _ - _ - _ - _ - _ - _ - _ - _ - _ -	#88 _ - _ - _ - _ - _ - _ - _ - _ - _ -
#79 _ - _ - _ - _ - _ - _ - _ - _ - _ -	#89 _ - _ - _ - _ - _ - _ - _ - _ - _ -

3.8 LOCATIONS #30-69 (SPEED DIALING)

If repertory/speed dialing is needed, enter the desired numbers as described in this section. There are forty (40) memory locations available (#30-#69). The number(s) can range from 1-11 digits in length. Simply **enter** the intended **memory location, followed by the desired speed dial number**. When the phone is placed into operation, the user will dial the # key followed by the appropriate two-digit memory location code. This will cause the corresponding speed dial number to automatically dial out.

EXAMPLE:

Enter #3018005551212 in the programming sequence. When in normal operating mode, the user dials #30 and the phone will Speed Dial - 1-800-555-1212.

- Be sure to log your entries in the speed dial table on the next page for future reference.

PROGRAMMING CONTINUED...

SPEED DIAL TABLE

#30 _ - _ _ _ - _ _ _ - _ _ _ _

#50 _ - _ _ _ - _ _ _ - _ _ _ _

#31 _ - _ _ _ - _ _ _ - _ _ _ _

#51 _ - _ _ _ - _ _ _ - _ _ _ _

#32 _ - _ _ _ - _ _ _ - _ _ _ _

#52 _ - _ _ _ - _ _ _ - _ _ _ _

#33 _ - _ _ _ - _ _ _ - _ _ _ _

#53 _ - _ _ _ - _ _ _ - _ _ _ _

#34 _ - _ _ _ - _ _ _ - _ _ _ _

#54 _ - _ _ _ - _ _ _ - _ _ _ _

#35 _ - _ _ _ - _ _ _ - _ _ _ _

#55 _ - _ _ _ - _ _ _ - _ _ _ _

#36 _ - _ _ _ - _ _ _ - _ _ _ _

#56 _ - _ _ _ - _ _ _ - _ _ _ _

#37 _ - _ _ _ - _ _ _ - _ _ _ _

#57 _ - _ _ _ - _ _ _ - _ _ _ _

#38 _ - _ _ _ - _ _ _ - _ _ _ _

#58 _ - _ _ _ - _ _ _ - _ _ _ _

#39 _ - _ _ _ - _ _ _ - _ _ _ _

#59 _ - _ _ _ - _ _ _ - _ _ _ _

#40 _ - _ _ _ - _ _ _ - _ _ _ _

#60 _ - _ _ _ - _ _ _ - _ _ _ _

#41 _ - _ _ _ - _ _ _ - _ _ _ _

#61 _ - _ _ _ - _ _ _ - _ _ _ _

#42 _ - _ _ _ - _ _ _ - _ _ _ _

#62 _ - _ _ _ - _ _ _ - _ _ _ _

#43 _ - _ _ _ - _ _ _ - _ _ _ _

#63 _ - _ _ _ - _ _ _ - _ _ _ _

#44 _ - _ _ _ - _ _ _ - _ _ _ _

#64 _ - _ _ _ - _ _ _ - _ _ _ _

#45 _ - _ _ _ - _ _ _ - _ _ _ _

#65 _ - _ _ _ - _ _ _ - _ _ _ _

#46 _ - _ _ _ - _ _ _ - _ _ _ _

#66 _ - _ _ _ - _ _ _ - _ _ _ _

#47 _ - _ _ _ - _ _ _ - _ _ _ _

#67 _ - _ _ _ - _ _ _ - _ _ _ _

#48 _ - _ _ _ - _ _ _ - _ _ _ _

#68 _ - _ _ _ - _ _ _ - _ _ _ _

#49 _ - _ _ _ - _ _ _ - _ _ _ _

#69 _ - _ _ _ - _ _ _ - _ _ _ _

PROGRAMMING CONTINUED...

- 3.9** When programming is finished, **hang up** the telephone by pressing the "CALL & HANGUP" button. Return the two plastic **mini-jumpers** to the "**OFF**" or outermost position, as depicted in the diagram on the last page of this manual. The phone is now ready for use.

4.0 OPERATION

To make a call, press the "CALL" button located on the front of the phone and wait for dial tone. The LED will light red at this time. When dial tone is received the transmitter is muted and the phone waits for numbers to be dialed. The user may utilize the keypad to dial numbers in accordance with any programmed call restrictions or speed dial numbers. The LED (if activated in section 3.0) will flash red and green during the ringing cycle. When the call is answered, the LED will turn green (after a maximum of four seconds), and a normal speakerphone conversation is allowed.

After the call is complete, press the button again. The LED goes out and the call is terminated. If user does not press the "CALL" button when he or she is finished using the phone, then the phone will hang up after detecting dial tone or when the telephone automatically disconnects as programmed.

If Digit 1 of Location #00 is "0" then call restrictions are in effect. The numbers that may be dialed are restricted to the numbers entered into Location #70-#89. If the number dialed is not in the Location #70-#89, then the phone gives three tones and drops the line.

If Digit 1 of Location #00 is set to "1", then there are no restrictions and any number may be dialed.

5.0 RECOMMENDED TOOLS AND TEST EQUIPMENT

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

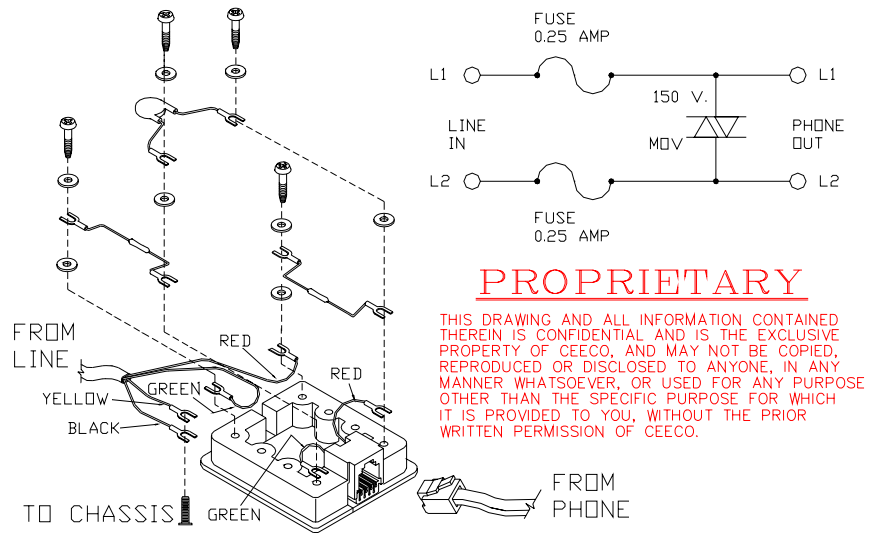
6.0 INSTALLATION NOTES AND ASSEMBLY INSTRUCTIONS

- 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 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.(If applicable)
- 6.5 Run the inside station wire into the apparatus box/mounting location and terminate on the RJ11C modular jack inside, as depicted on the following page. This CEECO-provided 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 phone to the line. Press the "CALL" button.
- Reaction: Dial tone. LED lights red.
-
- Action: Dial a number. The call rings and the LED flashes red and green to indicate ringing.
- Reaction: The called party answers.
A normal speakerphone conversation is allowed.
-
- Action: Finish the conversation.
Press the "CALL" button, or wait until time out occurs.
- Reaction: The call is terminated. LED goes out.

8.0 SPECIFICATIONS

INPUT POWER :	C.O. Line powered
LOOP CURRENT :	30ma. min. 80ma. max.
IMPEDANCE :	600 ohms
SIGNALING:	DTMF, 70ms tone, 50ms spacing
OUTPUT :	-4.0 to -6.0dbm
ENVIRONMENTAL:	Temperature 0°c to 50°c
	Humidity 20%-90%
PROGRAMMING :	Via DTMF keypad.
DIMENSIONS :	10.25" Wide X 13.125" High X 2.625 Depth
WEIGHT :	Approximately 8 Pounds
RINGER EQUIVALENCY:	0.4A
TYPE JACK :	RJ11C
UL LISTED NO.:	6OF5
FCC NO.:	BWBUSA-73021-MT-E

9.0 PARTS LIST:

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
6	406-019	Outer Cover Security Screw
1	301-018	Modular Line Cord
1	301-054	Modular Connector (RJ11C)
1	700-008	Keypad Cable
1	660-000	CEECO SPK 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

ACCESSORIES :

1	301-037	Security Tool
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10.0 REPAIR AND RETURN INFORMATION

10.1 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.

10.2 DIRECT ALL INQUIRES TO:

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

10.3 NON-WARRANTY REPAIR

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

10.4 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 Material Authorization must be requested no later than 30 days after original shipment.

11.0 WARRANTY POLICY

11.1 GENERAL

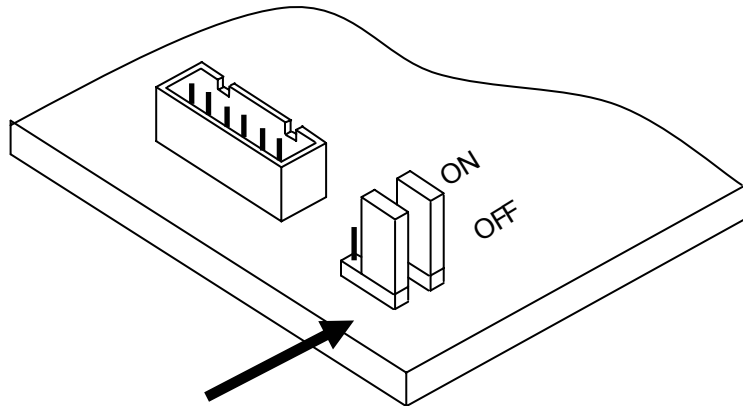
CEECO products are guaranteed to be free of defects in material and workmanship for a period of 365 days from the date of original purchase. CEECO's obligation under this warranty is limited to repair or replacement of any part found to be defective by CEECO. Under no circumstances shall CEECO be liable for loss, damage, cost of repair or consequential damages of any kind, which have been caused by neglect, abuse, acts of GOD or improper operation of equipment.

11.2 PRINTED CIRCUIT BOARDS

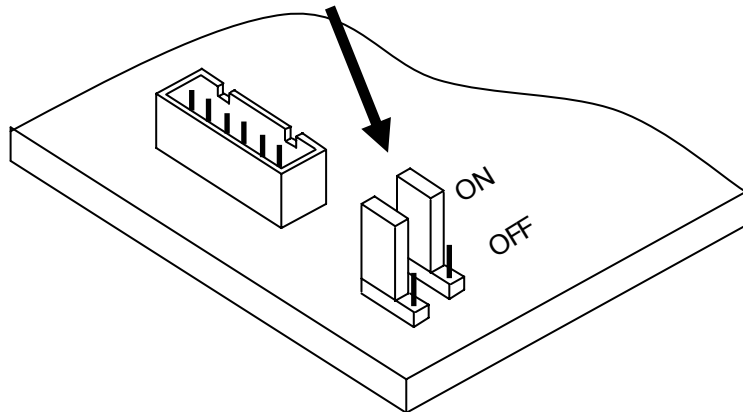
Printed circuit boards should not be field repaired. If a unit is found to be faulty, replace it with another unit and return the faulty unit to CEECO for repair. Modifications by anyone other than CEECO will void the warranty.

12.0 DIAGRAM

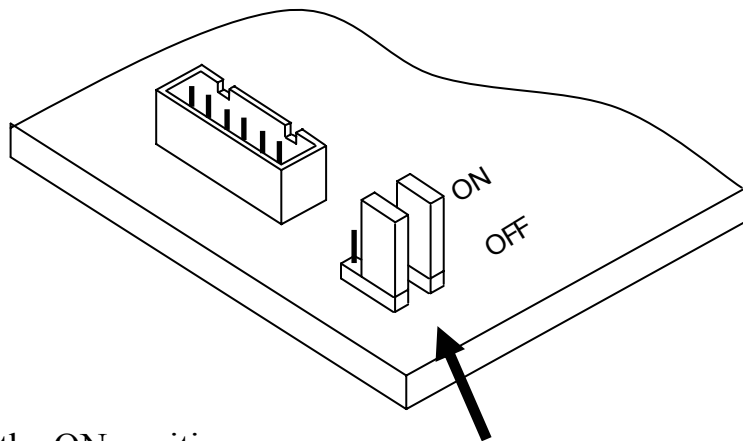
Locate the mini jumpers on the corner of the PCB.



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.

