

SERVICE MANUAL

FOR

MODEL SSP-561-X-ADA

HANDS FREE STAINLESS STEEL
PANEL TELEPHONE

EQUIPPED WITH BRAILLE EMERGENCY
PLATE AND SPK1.07r2 FIRMWARE



Serving the Telephone Industry Since 1930

*Communication Equipment
& Engineering Company*

519 W South Park Street
Okeechobee, FL 34972

Voice: 863-357-0798

Fax: 863-357-0006

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-X-ADA Equipped With Braille Emergency Plate and SPK1.07r2 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

519 W South Park Street
Okeechobee, FL 34972
863-357-0798- telephone
863-357-0006- facsimile
info@ceeco.net
www.ceeco.net

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1.0 INTRODUCTION

The practices in this manual provide installation and maintenance information for the CEECO Model SSP-561-X-ADA Hands Free Stainless Steel Panel Telephone, equipped with SPK1.07r2 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 Model SSP-561-X-ADA 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 “CALL” button for initiation and termination of phone calls. This particular model is designed for use in automatic ring down applications. Therefore, it relies on external equipment to control calling.
- 2.2 The Telephone may be programmed to automatically time and disconnect calls from 1-9 minutes.
- 2.3 The telephone provides a Braille emergency plate on the front for identification assistance.
- 2.4 Incoming calls may be allowed or blocked depending on the programming.
- 2.5 Programming is accomplished via a DTMF keypad.
- 2.6 The Telephone is equipped with a changing color LED for visual indication of call progress. When the call button is pressed, the LED will light Red. When the call is ringing the LED will flash Red and Green in correspondence with the ring cycle. When the call is answered the LED will light Green indicating the other party has answered.

3.0 PROGRAMMING

- 3.1 If the phone is enclosed attached to a housing, remove the front stainless steel panel by loosening the security screws with a security tool (sold separately) and remove them. Remove the panel and attached telephone assembly. Otherwise:
- 3.2 **Connect the telephone** to a working telephone line or a DTMF test set.
- 3.3 Locate the pair of plastic **mini-jumpers** located near the edge of the printed circuit board. Move them to the **“ON”** or innermost position, as depicted on the last page of this manual.
- 3.4 Locate the programming keypad, which is either mounted on the back panel or provided on the side. If the keypad is packaged separately, locate the multicolored ribbon cable with white connector, which extends from the PC Board of the phone. **Connect the keypad** to that connector.
- 3.5 **Press the “CALL & HANGUP”** button and wait to hear dial tone.
- 3.6 Using the keypad, **enter # 9 7 # 1 8 #**. This will **clear all** user-programmable memory to begin programming.
- 3.7 **Enter #00 followed by ten digits**, as selected on the next page. This “X” model telephone only offers selections for Digits 2, 3, and 10 on the next page. However, an entry must be made for each of the ten locations, or the telephone will not work properly. It is recommended that a “5” be entered under Digit 10.

NOTE:

THIS EQUIPMENT IS TELEPHONE LINE POWERED. DURING PROGRAMMING THE CENTRAL OFFICE OR PBX MAY RESPOND TO THE PROGRAMMING CODES WITH VARIOUS BUSY TONE, REORDER TONE, RECORDINGS, ETC. THESE TONES AND RECORDINGS WILL HAVE NO EFFECT ON THE PROGRAMMING. PLEASE IGNORE THEM.

PROGRAMMING CONTINUED**LOCATION #00**Digit 1:**Always 0 for this model.**Digit 2:

0 No incoming calls allowed.

1 Incoming calls allowed.

Digit 3:

0 No time-out disconnect

1-9 Minutes time-out disconnect (After this number of minutes, the phone will automatically disconnect/reset)

Digit 4:**Always 0 for this model**Digit 5:**Always 1 for this model**Digit 6:

0 Deactivate ADA feature (Changing LED).

9 Activate ADA feature (Changing LED).

Digit 6:**Always 0 for this model.**Digit 7:**Always 0 for this model**Digit 8:**Always 0 for this model**Digit 9:**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**).

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

#00= 0 _ _ 0 1 _ 0 0 0 5
 DIGITS: 1 2 3 4 5 6 7 8 9 10

PROGRAMMING CONTINUED

- 3.8** When you are **finished** programming, **press the “CALL & HANGUP” button** to hang up the phone. Return the two plastic **mini-jumpers** to the **“OFF”** or outermost position, as depicted on the last page of this manual. Secure the telephone assembly in the housing.

4.0 RECOMMENDED TOOLS AND TEST EQUIPMENT

DTMF Test Set
Volt/Ohm Meter
CEECO Security Tool, 301-064

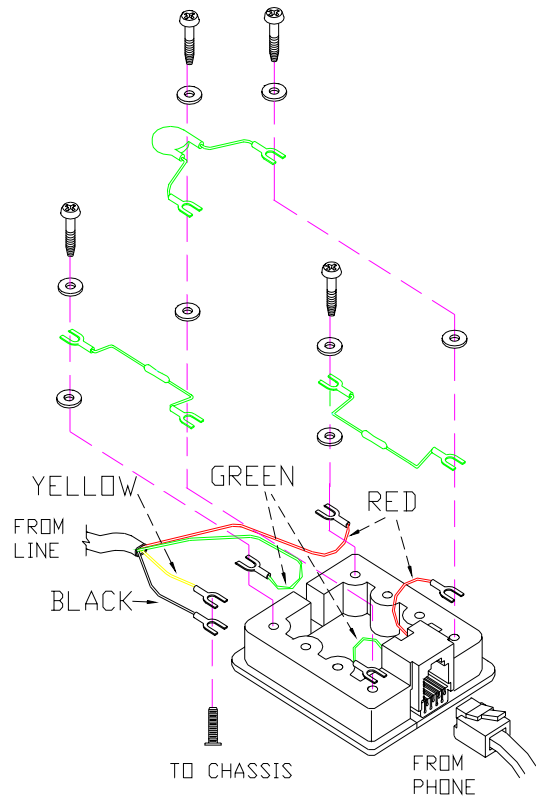
5.0 INSTALLATION NOTES AND ASSEMBLY INSTRUCTIONS

- 5.1 Using a 301-064 security tool (sold separately), loosen and remove the security screws securing the panel telephone to its housing/mounting. Otherwise, skip to section 5.4.
- 5.2 The security tool is for a standard 5/32" button head screw generally used on the framework of the phone booths.
- 5.3 Separate the panel assembly from the housing/mounting and install the housing/mounting as desired.
- 5.4 Route the telephone line/wire to the telephone and terminate on the RJ11C modular jack inside, as depicted on the following page. The CEECO provided terminal block (jack) **must** be used, as it contains required over-voltage protection circuitry.
- 5.5 The use of a gas tube station protector is recommended. The station ground should not exceed 50 ohms.
- 5.6 Plug the modular line cord from the faceplate assembly into the RJ11C modular jack.
- 5.7 Dress the telephone line cord away from the security screws and seat the faceplate into the weatherproof housing, or intended mounting location.
- 5.8 Secure the panel assembly by tightening/utilizing the security screws.

*****WARNING*****

- A. **Never install telephone wiring during a lightning storm.**
- B. **The telephone must be grounded in accordance with local and national electric codes.**
- C. **Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.**
- D. **Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.**
- E. **Use caution when installing or modifying telephone lines.**

5.9 OVER-VOLTAGE PROTECTION DIAGRAM



6.0 TESTING/OPERATION

The telephone may initiate a phone call when mated with a ring down circuit or line, or other such equipment. To place a call, press the CALL button located on the front of the phone. The LED will illuminate RED at this time. When the call rings, the LED will Flash Red and Green. When the call is answered, the LED will illuminate Green and normal telephone operation will follow. When the call is completed, press the button again to hang up the telephone. The LED will turn off at this time.

In order to receive incoming calls the phone must have been programmed with a "1" under Digit 2 in section 3.8 of this manual. When the phone rings, it may be answered by pressing the call button on the front of the phone. The LED will illuminate RED at this time. When the call is answered, a normal speakerphone conversation may take place. After the call is complete, press the CALL button on the front of the panel again to hang up the phone. The LED will turn off.

If the user does not press the button on the front of the panel when he or she is finished using the phone, then the phone will hang up after detecting a wink (open switch interval) or the timer expires (that which was programmed on page 6 Digit 3).

7.0 SPECIFICATIONS

INPUT POWER:	C.O. Line powered
LOOP CURRENT:	33 mA minimum 80 mA maximum
IMPEDANCE:	600 ohms
SIGNALING:	Manual on-off hook
ENVIRONMENTAL:	Temperature 0o C to 50o C Humidity 20%-90% non-condensating
PROGRAMMING:	Via DTMF keypad.
MEMORY RETENTION:	Non-volatile memory retention
DIMENSIONS :	10.25" Wide X 13.125" High X 2.625 Depth
WEIGHT :	Approximately 8 Pounds
MOUNTING:	Vertical surface mount.
RINGER EQUIVALENCY:	0.4A
FCC REGISTRATION NO.:	BW-88T7-68447-KX-T
TYPE JACK:	RJ11C
UL LISTED NO.:	6OF5

8.0 PARTS LIST

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
4	331-006	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	14067	MICROPHONE.
1	6020	MOMENTARY PANEL SWITCH
1	14024	SPEAKER
1	391-002	STAINLESS STEEL PANEL.
1	401-009	RINGER
1	N/A	SERVICE MANUAL

ACCESSORIES:

1	301-064	SECURITY TOOL
1	361-001	MOUNTING BOX

9.0 FCC NOTICE

9.1 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.

9.2 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.

9.3 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 8.00.

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

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 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 RMA must be requested no later than 30 days after original shipment.

11.0 WARRANTY POLICY

11.1 GENERAL

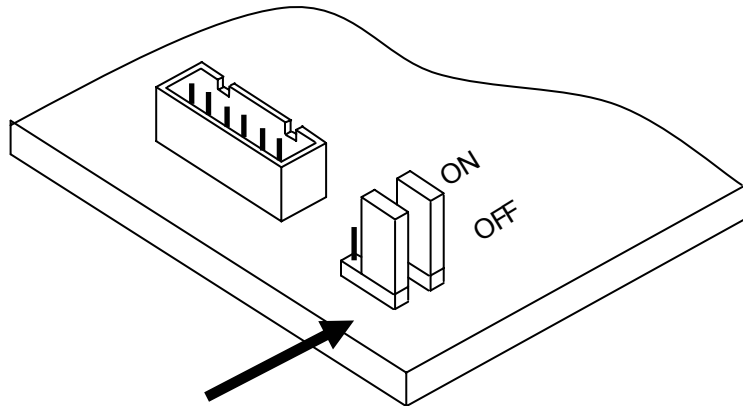
CEECO products are guaranteed to be free of defects in material and workmanship for a period of 365 days from the date of original purchase. CEECO's obligation under this warranty is limited to repair or replacement of any part found to be defective by CEECO. Under no circumstances shall CEECO be liable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

11.2 PRINTED CIRCUIT BOARDS

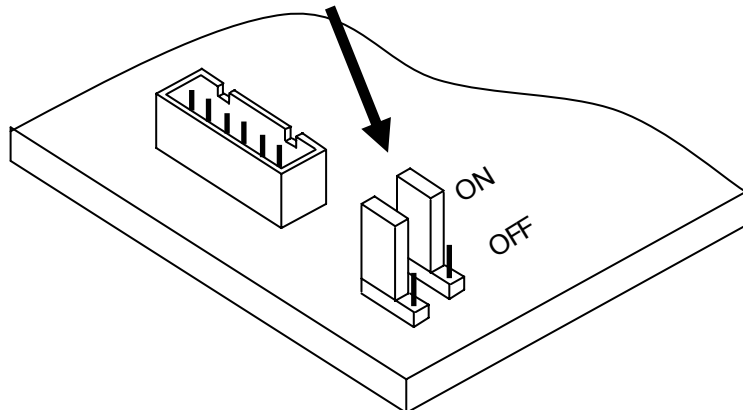
Printed circuit boards should not be repaired in the field. If a unit is found to be faulty, replace it with another unit and return the faulty unit to CEECO for repair. Modifications by anyone other than CEECO will void the warranty.

12.0 DIAGRAM

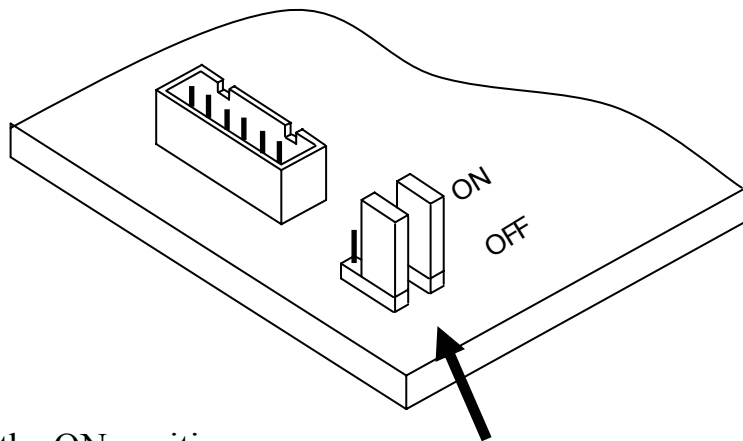
Locate the mini jumpers on the corner of the PCB.



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.