

SERVICE MANUAL
FOR
MODEL SSP-571-D-ADA-AA-93

HANDS FREE PANEL TELEPHONE

EQUIPPED WITH SPK1.07 UNVLR3ADA FIRMWARE

WITH OPTIONAL ADA FEATURE AND AUTO-ANSWER FEATURE



Serving the Telephone Industry Since 1930

Communication Equipment

519 W. South Park Street

& Engineering Company

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-571-D-ADA-AA-93
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 571-D-ADA-AA-93 Telephone, equipped with SPK-1.07UNVLR3 firmware.

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

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

CEECO

Customer Service
519 W. South Park Street
Okeechobee, FL 34972

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2.0 GENERAL

- 2.1 The CEECO Model SSP-571-D-ADA-AA-93 hands free telephone is a sturdy, vandal resistant, Stainless Steel Speakerphone. Instead of a hookswitch and handset, the SSP-571-D has a Press to start (CALL) button for the initiation of phone calls.
- 2.2 The telephone may be programmed to automatically dial (auto-dial) a telephone number of up to eleven (11) digits in length.
- 2.3 The telephone provides an optional auto-answer feature, which allows remote monitoring of the area in which the telephone is installed.
- 2.4 The telephone provides an optional ADA feature, which utilizes an LED for visual recognition of the call progress. When the called party answers the LED will turn GREEN after a maximum of four seconds, if the ADA feature was activated during programming.
- 2.5 The microphone is muted during periods of dial tone to help guard against the use of hand held dialers.
- 2.6 Incoming calls may be allowed or blocked depending on the programming.
- 2.7 The telephone may be programmed to automatically disconnect a call after a selected time period of 1-9 minutes (auto-answer feature excluded).
- 2.8 Programming is accomplished via a separately supplied DTMF keypad.

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 before programming.
- 3.2 Locate the multicolor ribbon cable, extending from the Printed Circuit Board, with a white connector hanging loosely. Locate the programming keypad (provided separately), which has the mating end of the white connector attached to it. **Connect the keypad** to the ribbon cable, by way of the two connectors.
- 3.3 Move the **mini-jumpers** (located on the Printed Circuit Board) to the "ON" position, as depicted on the last page of this manual.
- 3.4 **Press the CALL button** and **wait** for dial tone and **10 seconds** to lapse before programming any digits.
- 3.5 It is important to be slow and deliberate when pressing the keys of the programming keypad. A missed or partial tone could result in improper programming.

NOTE: Once the "#" (pound) key has been entered you may get an operator recording or a fast busy, please disregard and continue programming.

- 3.6 **Press the CALL button** located on the front of the phone and wait 10 seconds then utilize the programming keypad to **enter: #97**

This will **clear all** field programmable memory.

- 3.7 **Enter # 0 0 followed by a series of ten (10) Digits** as selected from the options on the following page. By entering 0 thru 9 into each of the 10 digits, the phone is customized for the particular installation. A selection for all ten Digits must be entered in order for the phone to operate properly.

PROGRAMMING CONTINUED...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 Minutes Conversation Time-Out. (the call will automatically be terminated after the selected number of minutes).

Digit 4:

0 Always 0 for this model.

Digit 5:

0 Always 0 for this model.

Digit 6:

0 No ADA Feature.
9 Activate ADA Feature

Digit 7:

1 Always 1 for this model

Digit 8:

0 Always 0 for this model.

Digit 9:

0 Do not dial PBX access number #02
1 Dial PBX access number #02

Digit 10:

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

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

#00 0 0 0 1 0
 1 2 3 4 5 6 7 8 9 10

PROGRAMMING CONTINUED...

EXAMPLE:

Enter #00 0160001005

Phone will be set as follows:

DIGIT 1 .. ALWAYS 0
 DIGIT 2 .. INCOMING CALLS ALLOWED
 DIGIT 3 .. 6 MINUTE TIME OUT FOR EMERGENCY CALLS
 DIGIT 4 .. ALWAYS 0
 DIGIT 5 .. ALWAYS 0
 DIGIT 6 .. ADA DEACTIVATED
 DIGIT 7 .. ALWAYS 1
 DIGIT 8 .. ALWAYS 0
 DIGIT 9 .. Do not dial PBX access number #02
 DIGIT 10 . 250ms WINK

- 3.8 Enter # 0 1 followed by the desired auto-dial number.** When the phone is in operation and the EMERGENCY CALL button is pressed, this auto-dial number will automatically dial out. This number may be up to eleven (11) digits in length.

#01 _ _ _ _ _

Example: Enter # 0 1 5 5 5 1 2 1 2. This will program the phone to automatically dial the number 555-1212, whenever the EMERGENCY CALL button is pressed.

If it is necessary to first dial a **PBX or other ACCESS** number:

Enter # 0 2 followed by the desired PBX/Access Number. When the phone is in operation and the EMERGENCY CALL button is pressed, this PBX/Access number will automatically dial out, followed by an approximate 1 second pause, and then followed by the number stored in #01 above. This number may also be up to eleven (11) digits in length.

#02 _ _ _ _ _

Example: Enter # 0 2 9. This will program the phone to automatically dial the number 9, followed by the number stored in #01, whenever the EMERGENCY CALL button is pressed.

PROGRAMMING CONTINUED...

3.9 Auto-Answer

To program the auto-answer feature locate the **660-650 Printed Circuit Board** under the large (660-000) main printed circuit board. Refer to the diagram on page 16 of this manual. Move the **mini-jumper** to the **desired ring count**, from 1-9.

RING COUNT

0	No auto-answer
1	Answer after 1st ring
2	Answer after 2nd ring
3	Answer after 3rd ring
4	Answer after 4th ring
5	Answer after 5th ring
6	Answer after 6th ring
7	Answer after 7th ring
8	Answer after 8th ring
9	Answer after 9th ring

The Remote Monitoring function associated with this auto-answer feature will be explained in section 4.0 Testing/Operation.

- 3.10** When programming is finished, **hang up the phone** by dialing **#99**. It is necessary to enter #99 before continuing. Otherwise, the phone will not be set for operation. Return the **mini-jumpers** to the **"OFF"** position. The phone is now **ready for Testing/Operation**.

4.0 TESTING/OPERATION

- 4.1** Connect the telephone to a working telephone line.
- 4.2** To make a call, press the CALL button located on the front of the phone. When dial tone is received, the transmitter is muted and the phone waits for numbers to be dialed. The LED will illuminate RED at this time, and the preprogrammed number(s) will dial out on the line.
- 4.3** When the called party answers the LED will turn GREEN after a maximum of four seconds, if the ADA feature was activated (see section 3.7 Digit 6). Otherwise, the LED will remain RED during off-hook periods. A normal speakerphone conversation should be allowed.
- 4.4** When the called party hangs up the LED will go out and the call will be terminated.

TESTING/OPERATION CONTINUED...

- 4.5** Section 4.4 defined: Telephone will hang up after detecting a wink back from the far end, or when the selected time-out period (see section 3.7 Digit 3) expires.
- 4.6** Place a call into the phone. If the phone was programmed to allow incoming calls, answer the phone and the microphone should activate within approximately three (3) seconds. A normal speakerphone conversation should follow. If the phone was programmed not to allow incoming calls, the microphone will not activate.

4.7 REMOTE MONITORING

If the telephone was programmed to auto-answer (section 3.10), then it may be used to remotely monitor the area in which it is installed. Follow these steps:

- Call the CEECO phone from another phone.
- The CEECO phone answers after the number of ring-counts selected on the auto-answer board (see page16).
- The microphone and speaker will activate for remote monitoring and voice transmission.

5.0 RECOMMENDED TOOLS AND TEST EQUIPMENT

DTMF Test Set
 Volt/Ohm Meter
 3/8" Nut Driver
 5/16" Nut Driver
 Flat Blade Screw Driver
 Security Tool CEECO P/N 301-064

6.0 INSTALLATION NOTES AND ASSEMBLY INSTRUCTIONS

- 6.1 Using a 301-064 security tool (**sold separately**) remove the four 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 cover assembly from the housing.
- 6.4 Run the inside station wire through the housing and terminate on to the RJ11C terminal block on the housing.
- 6.5 The use of a gas tube or carbon station protector is recommended. The station ground should not exceed 50 ohms.
- 6.6 Plug the modular line cord from the SPK 660-000 PC board into the RJ11C terminal block.
- 6.7 Dress the line cord away from the security screws and seat the faceplate into the enclosure.
- 6.8 Secure the cover 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 touches 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.**

7.0 SPECIFICATIONS

INPUT POWER:	C.O. LINE POWERED
LOOP CURRENT:	40ma. MIN. 80ma. MAX.
IMPEDANCE:	600 Ohms
SIGNALING:	DTMF, 70ms tone, 50ms spacing
OUTPUT:	-4.0 to -6.0dbm
ENVIRONMENTAL:	Temperature 0oC to 50oC Humidity 20%-90% non condensating.
PROGRAMMING:	Via DTMF keypad.
DIMENSIONS:	6.8" W X 9.76" H X 2.75" D
MEMORY RETENTION:	Non-volatile memory retention
WEIGHT:	Approximately 9 Pounds
TYPE JACK:	RJ11c
UL LISTED NO.:	6OF5

8.0 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	379-100	FACE PLATE
1	301-054	MODULAR CONNECTOR (RJ11C)
1	571-200	SERVICE MANUAL
1	700-008	KEYPAD CABLE
1	660-000-93	CEECO SPK BOARD
1	705-110	CONNECTORIZED KEYPAD
1	6018-B	MOMENTARY PANEL SWITCH
1	14024	SPEAKER
1	12017	RINGER

ACCESSORIES

1	301-064	SECURITY TOOL
1	371-024	BRAILLE EMERGENCY PLATE

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 7.0.

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 "Returned 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 INQUIRIES TO:

CEECO

519 W. South Park Street
Okeechobee, FL 34972

(863) 357-0798 Voice
(863) 357-0006 Fax

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 60 days after original shipment.

10.5 EXCHANGE POLICY

If a replacement unit is required, it will be shipped in the most expedient manner consistent with the urgency of the situation. Please contact "customer service" for instructions regarding exchange of modules or printed circuit boards.

11.0 WARRANTY POLICY

11.1 GENERAL

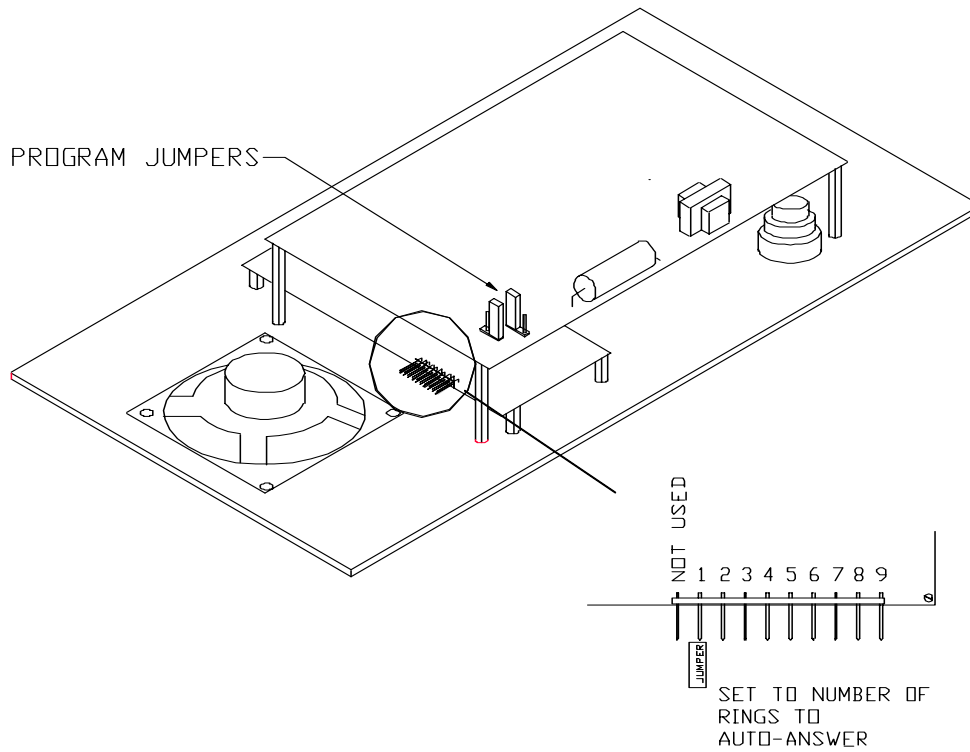
CEECO products are guaranteed to be free of defects in material and workmanship for a period of 365 days from the date of original purchase. CEECO's obligation under this warranty is limited to repair or replacement of any part found to be defective by CEECO. Under no circumstances shall CEECO be liable for loss, damage, cost of repair, or consequential damages of any kind, which have been caused by neglect, abuse or improper operation of equipment. This warranty will not apply to any event of acts of God.

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 any other than CEECO will void the warranty.

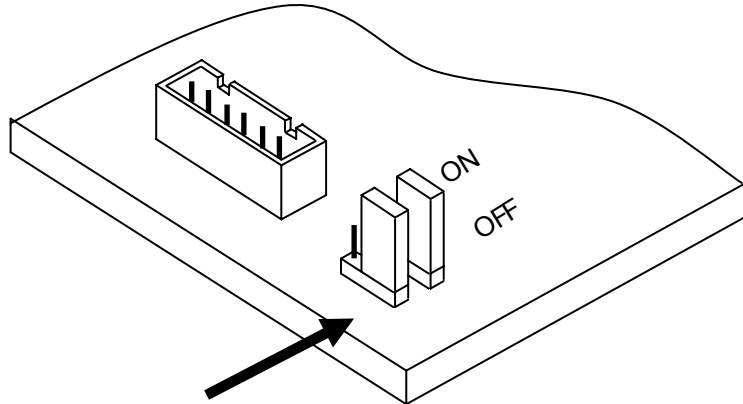
12.0 AUTO-ANSWER DIAGRAM

Location of ring-select jumpers, on lower auto-answer board:

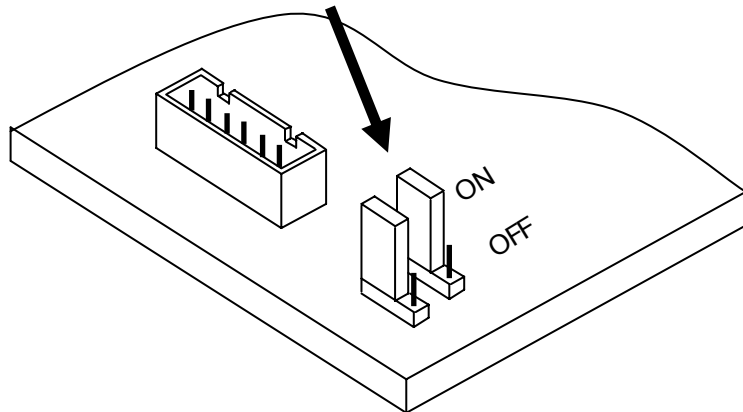


13.0 PROGRAMMING JUMPER DIAGRAM

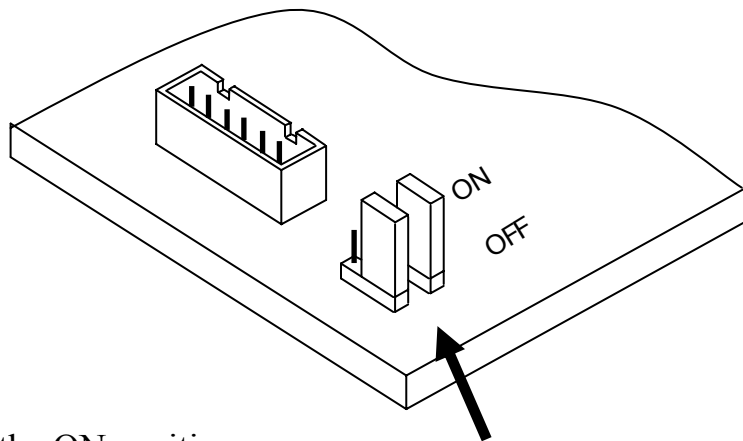
Locate the mini jumpers on the corner of the PCB.



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.