

SERVICE MANUAL

FOR

MODEL SSP-571-X
(FORMERLY SSP-579-X)

HANDS FREE ELEVATOR TELEPHONE



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-571-X HANDS FREE ELEVATOR TELEPHONE.
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 and 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 571-X 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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Customer Service
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2.0 GENERAL

- 2.1 The CEECO Model 571-X Hands Free telephone is a sturdy, vandal resistant, Stainless steel panel Speakerphone. Instead of a hookswitch and handset, the 571-X has a Press to start/Press to stop button for initiation and termination of phone calls. The 571-X model telephone provides an “off hook” condition to the serving line, when the button is pushed. External “Ring-down” equipment or Central Office ring down service must be provided, in order for the telephone to function properly. Incoming calls may be received. Manual volume control is also provided inside the phone.
- 2.2 Programming is accomplished via DTMF keypad.

3.0 PROGRAMMING

Note: Before programming, it is recommended that you ground yourself to prevent ESD damage to the printed circuit boards. Touch a metal ground source such as a water pipe or the unit's front metal plate.

- 3.1 Remove the front panel by loosening the four security screws with a security tool (sold separately) and removing them.
- 3.2 Connect the phone to a working telephone line or a DTMF test set.
- 3.2 Locate the programming keypad and connect it to the white connector, which is hanging freely from the PC board. The connector is attached to the PC board by way of a multicolored ribbon cable.
- 3.3 Locate the two green plastic mini-jumpers (located on the corner of the Printed Circuit Board). Place them in the "ON" position, as depicted on the last page of this manual.
- 3.4 Push the CALL button and wait for dial tone to begin programming.
- 3.5 Each location is accessed by dialing the "#" sign and a corresponding two-digit code. The valid program locations are #00, and #97. The previous contents of the location are automatically erased when the location code is dialed. It is important during programming to be slow and deliberate when pressing the keys on the keypad. A missed or partial tone could result in improper programming.
- 3.6 Utilizing the keypad, enter # 9 7. This will **clear all** memory locations at the onset of programming.

NOTE: If the telephone is connected to a working telephone line during programming, various Central Office signals may be heard after the # key is pressed (i.e. fast busy tone, operator reorder tone, etc...). Please disregard any such tones, as they will have no bearing on the programming.

- 3.7 Enter # 0 0, which accesses the **telephone options** programming location. You will now enter a series of ten **(10) digits**. Two of these digits offer options. Digit two (2) offers the option of denying or receiving incoming calls. Digit three (3) offers the option of setting an automatic call disconnect. Please enter the digits, one right after the other, as they appear on the next page. Make your choices under Digits 2 and 3 accordingly. You must enter all ten digits for proper programming.

PROGRAMMING CONTINUED...

Digit 1:	0	
Digit 2:	0	Do not allow incoming calls.
	1	allow incoming calls.
Digit 3:	0	No automatic call disconnect.
	1-9	Length of time before automatic call disconnect.
Digit 4:	0	
Digit 5:	1	
Digit 6:	0	
Digit 7:	0	
Digit 8:	0	
Digit 9:	0	
Digit 10:	5	

- 3.8** Programming is now completed. Press the CALL button to **hang up** the phone. Return the two green plastic **mini-jumpers** to the **“OFF”** position, as depicted on the last page of this manual. The telephone is now ready for Testing/Operation

4.0 TESTING/OPERATION

- 4.1 With the phone connected to a working telephone line, press the CALL button. The red LED should illuminate and an “off hook” condition should occur. The external equipment should provide normal phone operation.
- 4.2 If the phone was programmed to automatically disconnect, allow the programmed time (1 to 9 min.) to expire. The phone should automatically disconnect. The time may not be exact. If the phone was not programmed as such, simply hang up by pressing the CALL button.
- 4.3 Place a call to the phone. If it was programmed to receive incoming calls, it will ring and may be answered normally. If it was programmed to **not** allow incoming calls, it will drop the line (return and on-hook condition) when the call is answered.
- 4.4 If the phone does not operate correctly, repeat the programming section. Remember to be slow and deliberate. If problems persist, please refer to section 10.2

5.0 RECOMMENDED TOOLS AND TEST EQUIPMENT

Volt/Ohm Meter
5/16" Nutdriver
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 mounting box (if provided) by pulling the faceplate forward.
- 6.4 The mounting box is designed to be mounted on any flat vertical surface. Four mounting holes are provided.
- 6.5 Run the inside station wire into the mounting box and terminate on the RJ11C terminal block inside.
- 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 mounting box. (If applicable)
- 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.**

7.0 SPECIFICATIONS

INPUT POWER :	C.O. Line powered
LOOP CURRENT :	28ma. min. 80ma. max.
IMPEDANCE :	600 ohms
SIGNALING :	DTMF, 70ms tone, 50ms spacing
OUTPUT :	-4.0 to -6.0dbm
ENVIRONMENTAL :	Temperature 0c to 50c Humidity 20%-90% non condensating
PROGRAMMING :	Via DTMF keypad.
DIMENSIONS :	6 3/4"w X 9 7/8"h X 1" Including Button Depth
MOUNTING :	Vertical Surface/Rough-in Mounting Box
MEMORY RETENTION :	Non-volatile memory retention
WEIGHT:	Approximately 7 Pounds
FCC REGISTRATION NO.:	BW-88T7-13716-TE-N
TYPE JACK :	RJ11C
U.L. 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	379-000	FACE PLATE
1	301-054	MODULAR CONNECTOR (RJ11C)
1	379-200	SERVICE MANUAL
1	379-2xx	KEYPAD CABLE
1	660-000	CEECO SPK BOARD
1	705-110	CONNECTORIZED KEYPAD
1	379-116	MOMENTARY PANEL SWITCH
1	379-113	SPEAKER
1	12017	RINGER

ACCESSORIES :

1	301-037	SECURITY TOOL
1	371-011	MOUNTING BOX (10”H x 7”W x 3”D)
1	371-012	FRAME

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 AND USE 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), 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 "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.

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

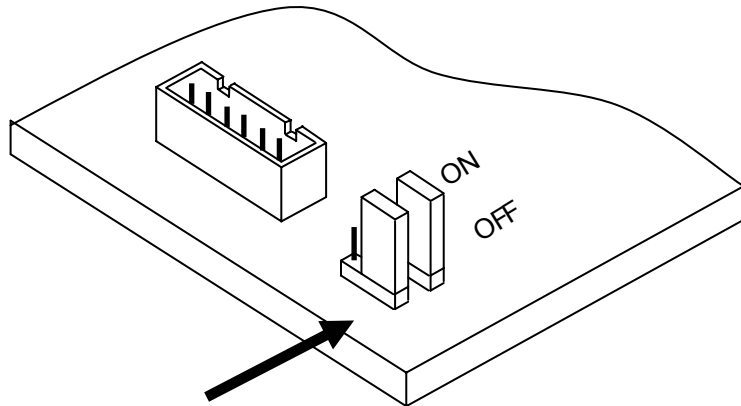
CEECO products are guaranteed to be free of defects in material and workmanship for a period of 365 days from the date of original purchase. CEECO's obligation under this warranty is limited to repair or replacement of any part found to be defective by CEECO. Under no circumstances shall CEECO be liable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

11.2 PRINTED CIRCUIT BOARDS

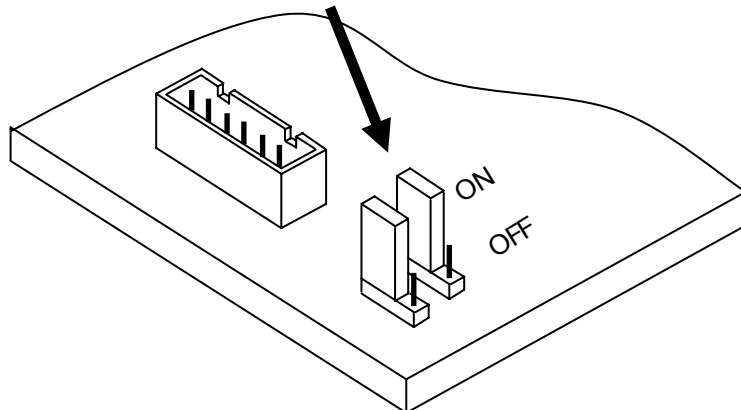
Printed circuit boards should not be field repaired. If a unit is found to be faulty, replace it with another unit and return the faulty unit to CEECO for repair. Modifications by anyone other than CEECO will void the warranty.

12.0 DIAGRAM

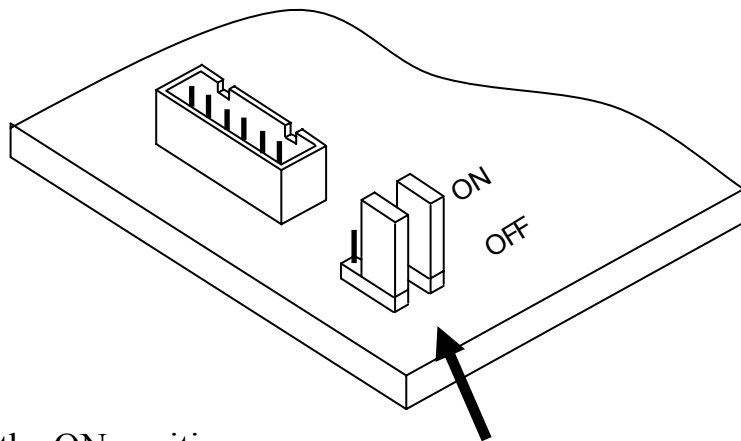
Locate the mini jumpers on the corner of the PCB.



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.