SERVICE MANUAL

FOR

MODEL SSC-500-F
(FORMERLY 501-FSZ)

STAINLESS STEEL HANDS FREE
CHARGE-A-CALL TELEPHONE

EQUIPPED WITH LOW-POWER SPEAKER BOARD

CEECO

Serving the Telephone Industry Since 1930

Communication Equipment	**519 SW 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 SSC-500-F, EQUIPPED WITH THE LOW POWER SPEAKER BOARD.
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 SW Park Street
Okeechobee, FL 34972

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

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1.0   INTRODUCTION

The practices in this manual provide installation and maintenance information for the CEECO Model SSC-500-F Stainless Steel Hands Free Charge-A-Call Telephone, equipped with the Low-Power Speaker Board.

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 SW Park Street
Okeechobee, FL 34972

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

2.0   GENERAL

2.1   The CEECO Model SSC-500-F Hands Free Telephone is a sturdy, vandal-resistant, Stainless Steel Wall Speakerphone. 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 SSC-500-F is fully line powered with no battery backup required for memory retention.

2.3   The phone may be programmed to set an automatic call disconnect (time-out feature) for one, three, or five minutes.

2.4   Programming is accomplished by way of hardware (mini-jumpers on PCB).

3.0   PROGRAMMING

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

3.1   Remove the telephone from its housing by loosening the security screws with the security tool (sold separately) and remove them.

3.2   Locate the green plastic mini-jumpers on the PC board. They are used to program the time out disconnect feature.

3.3   If the **time out disconnect** feature is **not desired**, simply place the green plastic **mini-jumper** at P.C. board location **JP3** in the **"OFF"** position.

3.4   **I**f **time out disconnect** is to be used, place the green plastic mini-jumper at P.C. board location **JP3** in the **"ON"** position. The time out disconnect feature offers three choices of conversation length. The "Time" begins when the "Press to start/Press to stop" button is pressed. The times are not exact. In order to set the length of time for the automatic call disconnect place the green plastic mini-jumper at P.C. board location **JP2 as follows**:

Position 1 (for ONE- minute conversation time)

Position 3 (for THREE- minute conversation time)

Position 5 (for FIVE- minute conversation time)

4.0   RECOMMENDED TOOLS AND TEST EQUIPMENT

Volt/Ohm Meter
5/16" Nut driver
1/4" Nut driver
Security Tool, CEECO part number 301-037

5.0   INSTALLATION NOTES AND ASSEMBLY INSTRUCTIONS

5.1   Using a 301-037 security tool (sold separately), loosen (do not remove) the locking screw and security screws on either side of the telephone.

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 cover assembly from the back plate assembly. The back plate assembly may be installed on any standard backboard or coin phone enclosure.

5.4   Run the inside station wire through the back plate assembly and terminate on to the RJ11C terminal block on the back plate.

5.5   The use of a gas tube station protector is recommended. The station ground should not exceed 50 ohms.

5.6   Install the instruction card, instruction card window and instruction card frame using the eight retaining nuts provided. A 5/16 inch nut driver is required.

5.7   Plug the modular line cord from the cover assembly into the RJ11C terminal block.

5.8   Dress the line cable away from the locking screw and install the cover assembly by hanging it on the four hook-shaped supports. Secure the back plate by tightening the locking screw and the security screws.

*****WARNING*****

A.   **Never install telephone wiring during 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.**

6.0 TESTING/OPERATION

Action: Connect the phone to the line.
                 Press the start /stop button.
Reaction: Dial tone.

Action: Dial a number.
Reaction: The called party answers.
                 A normal speakerphone conversation is allowed.

Action: Finish the conversation.
                 Press the start/stop button.
                 • If the button is not pressed, and the automatic call disconnect
                   feature is in use, the phone will reset after the set time expires.
Reaction: The call is terminated.

7.0 SPECIFICATIONS

INPUT POWER: C.O. Line powered

LOOP CURRENT: 27mA minimum

IMPEDANCE: 600 ohms

SIGNALING: DTMF

OUTPUT: -8.0dbm to -10dbm

ENVIRONMENTAL: Temperature   0oC to 50oC
                            Humidity   20%-90% non-condensating

TELEPHONE PANEL: Stainless Steel (16gauge)

DIMENSIONS: 7 1/2" Wide x 21" High x 4 1/8" Deep

MOUNTING: Standard Coinless Public telephone foot
                            Print.

WEIGHT: Approximately15 lb.

RINGER EQUIVALENCY: 0.4A

TYPE JACK: RJ11C

UL LISTED NO.:   6OF5

8.0 PARTS LIST

QUANTITY	PART NUMBER	DESCRIPTION
1	301-030	INSTRUCTION CARD KIT
1	301-012	OUTER COVER LOCKING SCREW
1	301-018	MODULAR LINE CORD
1	SSC-500-F	STAINLESS STEEL OUTER COVER
1	301-039	NUMBER WINDOW
1	301-040	NUMBER CARD
1	301-051	BACK PLATE
1	301-052	RUBBER GROMMET
1	301-054	MODULAR CONNECTOR (RJ11C)
1	391-017	KEYPAD CABLE
1	600-SPK	CIRCUIT BOARD WITH MICROPHONE
1	391-113	SPEAKER
1	730-ANS(M)	CONNECTORIZED KEYPAD
1	951-001	MOMENTARY PANEL SWITCH
2	321-016	SECURITY SCREW

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: RMA Number, return shipping instructions., original purchase order number, serial number and special marking instructions. A tag with 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
519 SW Park Street
Okeechobee, FL 34972

(863) 357-0798 Voice

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 15% restocking charge based on the manufacturer's list price. Return Material Authorization (RMA) must be requested no later than 30 days after original shipment.

11.0   WARRANTY POLICY

11.1   GENERAL

CEECO guarantees its products to be free from 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.

CEECO will repair or replace any unit during this period if found to be defective for reasons other than abuse, neglect, Acts of God, 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.

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 one other than CEECO will void the warranty.