

**SERVICE MANUAL**

**FOR**

**MODEL SSC-303-DDD**  
**(FORMERLY 303-SXZ)**

**THREE BUTTON AUTOMATIC DIALING**

**CHARGE-A-CALL TELEPHONE**

**EQUIPPED WITH CAC4.04 FIRMWARE**



*Serving the Telephone Industry Since 1930*

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*Communication Equipment  
& Engineering Company*

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519 West South Park Street  
Okeechobee, FL. 34972

Voice: 863-357-0798

Fax: 863-357-0006

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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 SSC-303-DDD EQUIPPED WITH CAC4.04 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 West South 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 Model SSC-303-DDD Three Button Automatic Dialer Charge-A-Call Telephone, equipped with CAC4.04 software.

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

### **CEECO**

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

(863) 357-0798

## 2.0 GENERAL

The CEECO Model SSC-303-DDD Telephone, equipped with CAC4.04 Firmware, is a stainless steel, microprocessor-based, coinless wall phone designed to withstand abuse and fraudulent call attempts. The transmitter is muted during periods of dial tone eliminating the use of hand held dialers. Attempts to hookswitch dial a number will cause the microprocessor to go “on hook” until the attempt has ended. Incoming calls may be allowed or blocked depending on the programming. If programmed to block incoming calls, the phone will drop the line upon receipt of an incoming call. Programming is accomplished via the DTMF keypad inside the telephone housing.

## 3.0 PROGRAMMING

- 3.1 **Connect the telephone** to a working telephone line or a DTMF test set.
- 3.2 Locate the two plastic **mini-jumpers** on the edge of the printed circuit board and move them to the “**ON**” position, as depicted on the last page of this manual.
- 3.3 **Lift the handset** and wait for dial tone before beginning programming. Programming is accomplished by way of the DTMF keypad. The programming can be accomplished in one continuous sequence without having to stop or perform any measures between programming sections. It is important to be slow and deliberate when pressing the keys during programming. A missed or partial tone will result in improper programming.
- 3.4 Utilizing the keypad, enter # **9 7**. This will **clear all memory** locations.
- 3.5 Enter # **0 0**, followed by **0**, followed by **1** to allow incoming calls or **0** to block incoming calls, followed by **1**.

**Example:** Entering #00 0 1 1 would program the phone to allow incoming calls, whereas entering #00 0 0 1 would program the phone to block incoming calls.

\*If programmed to block incoming calls, the phone will still ring as usual. When the incoming call is answered, the telephone will drop the line, thus blocking the call, and no conversation will take place.

## PROGRAMMING CONTINUED...

- 3.6** Enter #01 followed by the desired number to be automatically dialed by the **Top Call Button**.

Example: Entering #015551212 will program the telephone to automatically dial the number 555-1212, when the top button is pressed.

**Enter #02 followed by the desired number** to be automatically dialed by the **Middle Call Button**.

Example: Entering #025875430 will program the telephone to automatically dial the number 587-5430, when the middle button is pressed.

**Enter #03 followed by the desired number** to be automatically dialed by the **Bottom Call Button**.

Example: Entering #035875440 will program the telephone to automatically dial the number 587-5440, when the bottom button is pressed.

Notes: -The # sign represents the # key of the keypad and must actually be dialed.

-Each of the numbers programmed above may be up to eleven (11) digits in length.

- 3.7** Programming is now completed. **Hang up** the phone and return the **mini-jumpers** to the “**OFF**” position, as depicted on the last page of this manual. The phone is now ready for Testing/Operation.

## **4.0 TESTING/OPERATION**

- 4.1** Connect the phone connected to the DTMF test set or working telephone line and lift the handset. When dial tone is received, the transmitter is muted and the telephone waits for one of the three buttons to be pressed.
  
- 4.2** Select the number to be dialed by pressing the desired button on the telephone. The number programmed into the appropriate button location will automatically dial and a normal telephone conversation may take place. When the call is completed, hang up the phone by returning the handset to the cradle. All three buttons should operate as such.
  
- 4.3** If the telephone was programmed to block incoming calls in section 3.5, the phone will still ring as usual. When the incoming call is answered, the telephone will drop the line, thus blocking the call, and no conversation will take place.

## **5.0 RECOMMENDED TOOLS AND TEST EQUIPMENT**

DTMF Test Set  
Volt/Ohm Meter  
1/4" Nut Driver  
Flat Blade Screw Driver  
Security Tool, CEECO Part Number 301-037

## 6.0 INSTALLATION NOTES AND ASSEMBLY INSTRUCTIONS

- 6.1 Using a 301-037 security tool (**sold separately**), loosen (do not remove!) the large outer cover locking screw, located at the front bottom center of the telephone housing. Remove the two security screws located on the sides of the telephone housing.
- 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 backplate assembly.
- 6.4 The backplate assembly may be installed on any standard backboard.
- 6.5 Run the inside station wire through the backplate assembly and terminate on the RJ11C terminal block on the backplate, as depicted in the diagram on page 14 of this manual.
- 6.6 The use of a gas tube station protector is recommended. The station ground should not exceed 50 ohms.
- 6.7 Plug the modular line cord from the cover assembly into the RJ11C terminal block.
- 6.8 Dress the line cable away from the security screw and install the cover assembly by inserting the tabs into the slots on top of the backplate.
- 6.9 Secure the cover assembly by replacing the two security screws on the sides and tightening the outer cover locking screw on the front.

### **\*\*\*\*\*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:	23ma. min. 80ma. max.(48 VOLT LOOP)
IMPEDANCE:	600 ohms
SIGNALING:	DTMF, 70ms tone, 50ms spacing
OUTPUT:	-8.0 to -10.0dbm
HEARING AID COMPATIBLE:	Meets EIA standards
ENVIRONMENTAL:	Temperature 0°C to 50°C Humidity 20%-90% non-condensating
PROGRAMMING:	Via DTMF keypad.
TELEPHONE PANEL:	14 ga Stainless Steel
DIMENSIONS:	7 1/2" Wide x 21" High x 6 1/2" Deep (Handset on hook)
MOUNTING:	Standard Coinless Public Telephone footprint
MEMORY RETENTION:	Lithium Battery - Long Life
WEIGHT:	Approximately 17 Pounds
FCC REGISTRATION:	BW88T7-13823-TE-T
UL LISTED NO.:	60F5
RINGER EQUIVALENCY:	0.4A
TYPE JACK:	RJ11C
FIRMWARE:	CAC4.04

**8.0 PARTS LIST**

<b><u>QUANTITY</u></b>	<b><u>PART NUMBER</u></b>	<b><u>DESCRIPTION</u></b>
1	301-030	Instruction Card Kit
1	301-106-29	Armored Cord Handset
1	301-006	Ringer
1	301-009	Network
1	301-012	Outer Cover Locking Screw
1	301-581	Tongue & Bracket Assembly
1	301-588	Hookswitch Cradle
2	301-570	Microswitch Assembly
1	301-018	Modular Line Cord
1	301-039	Number Window
1	301-040	Number Card
1	301-051	Backplate
1	301-054	Modular Connector (RJ11C)
1	700-008	Keypad Cable
1	650-570	Network Cable
1	650-520	MCRK-2 Board
1	705-110	Connectorized Keypad W/ 705 Mounting
2	9023	Security Screws

**ACCESSORIES:**

1	301-037	Security Tool
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## **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 9.0.

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  
519 West South Park Street  
Okeechobee, FL 34972  
(863) 357-0798

### **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.

## **11.0 WARRANTY POLICY**

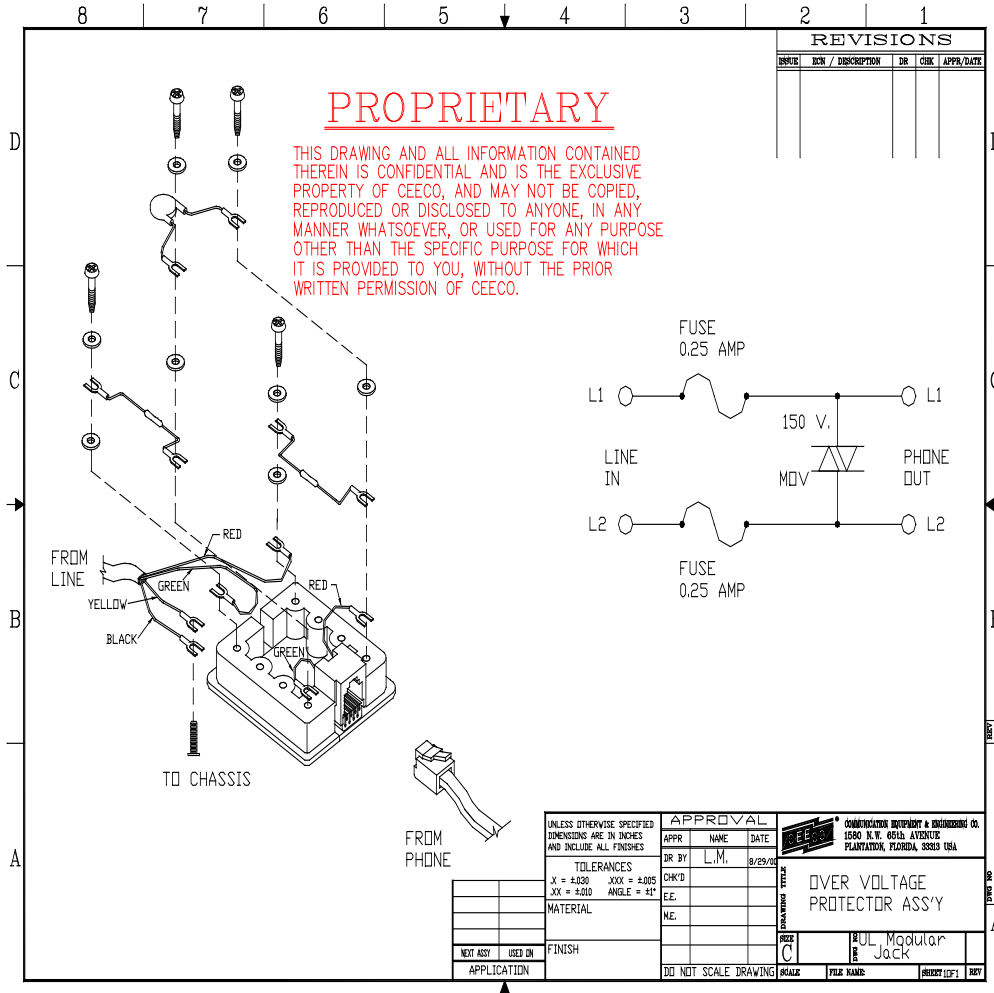
### **11.1 GENERAL**

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, act of God or improper operation of equipment. This warranty is limited to the value of material only.

### **11.2 PRINTED CIRCUIT BOARDS**

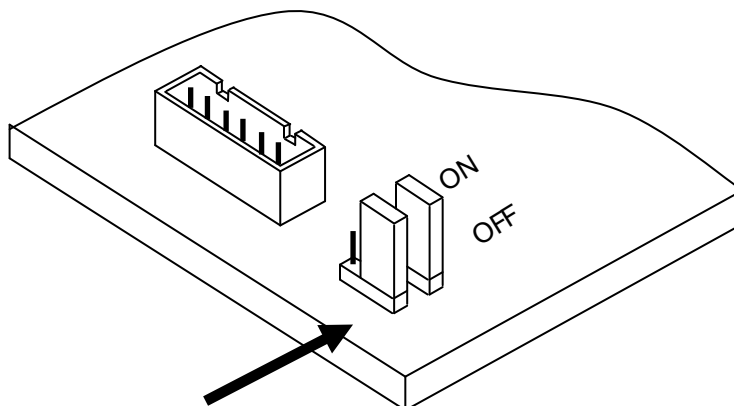
Printed circuit boards should not be repaired in the field. If a unit is found to be faulty, replace it with another unit and return the faulty unit to CEECO for repair. Modifications by any one other than CEECO will void the warranty.

# 12.0 MODULAR JACK DIAGRAM

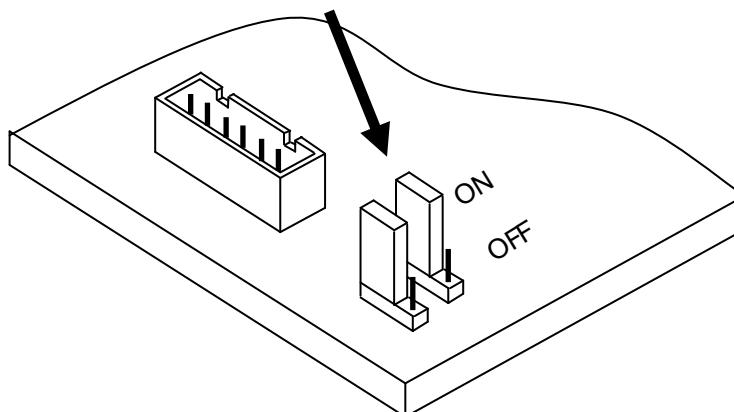


## 13.0 DIAGRAM

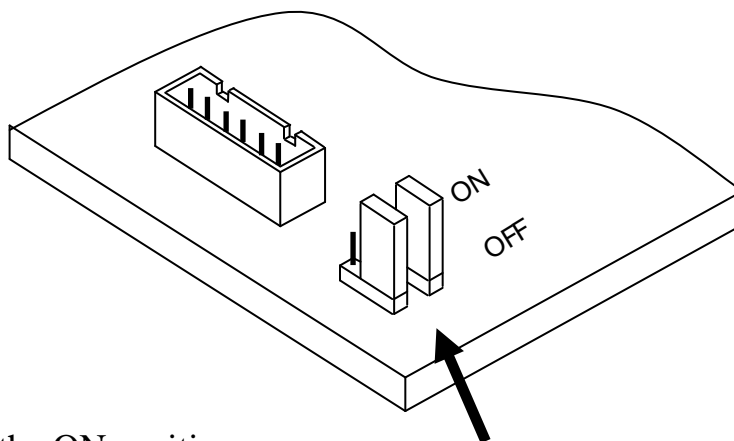
Locate the mini jumpers on the corner of the PCB.



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.