

SERVICE MANUAL

FOR

MODEL SSP-363-E (FORMERLY SSP-365-E)

STAINLESS STEEL PANEL TELEPHONE
WITH 12 BUTTON AUTOMATIC DIALER

EQUIPPED WITH ADT1.03 FIRMWARE



Serving the Telephone Industry Since 1930

*Communication Equipment
& Engineering Company*

1580 NW 65th Avenue
Plantation, FL 33313

Voice: 954-587-5430

Fax: 954-587-5440

IMPORTANT INFORMATION FOR CUSTOMER

Please fill in before you continue.

The following information is necessary when calling CEECO for assistance.

MODEL NUMBER	MODEL SSP-363-E EQUIPPED WITH ADT1.03 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*

1580 NW 65th Avenue
Plantation, FL 33313

(954) 587-5430 Voice
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1.0 INTRODUCTION

The practices in this manual provide installation and maintenance information for the CEECO Model SSP-363-E (formerly SSP-365-E) Telephone, equipped with ADT1.03 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
1580 NW 65th Avenue
Plantation, FL 33313

(954) 587-5430 VOICE
(954) 587-5440 FAX

2.0 GENERAL

- 2.1 The CEECO Model SSP-363-E Speed Dialer Telephone is a microprocessor-based telephone designed to deter fraud from hand held tone dialers and hookswitch dialing. The microprocessor keeps the transmitter muted (off) during periods of dial tone. Attempts to dial a number by “flashing” the hookswitch will cause the microprocessor to "reset" and open the line.
- 2.2 One of twelve preprogrammed numbers, of up to twenty-three (23) digits in length, may be speed dialed. This is accomplished by pressing one button on the Single Button Access (SBA) keypad located on the front of the telephone.
- 2.3 Programming is accomplished via the 12 button SBA keypad, or an external, separately provided, modular keypad that plugs into the printed circuit board during programming periods only.

3.0 PROGRAMMING

- 3.1 Using a security tool, CEECO part number 301-037, loosen and remove the security screws and separate the telephone assembly from the mounting or housing.
- 3.2 **Connect the Telephone** to a working telephone line or a DTMF test set.
- 3.3 You may use the 12-button SBA keypad to program the phone. Each SBA button corresponds to a normal telephone keypad number as illustrated in sec. 3.6.

If you want to use an external programming keypad, plug the Modular Connector of the programming keypad into the only empty eight-pin connector of the Printed Circuit Board. The connector is polarized and must be properly oriented.

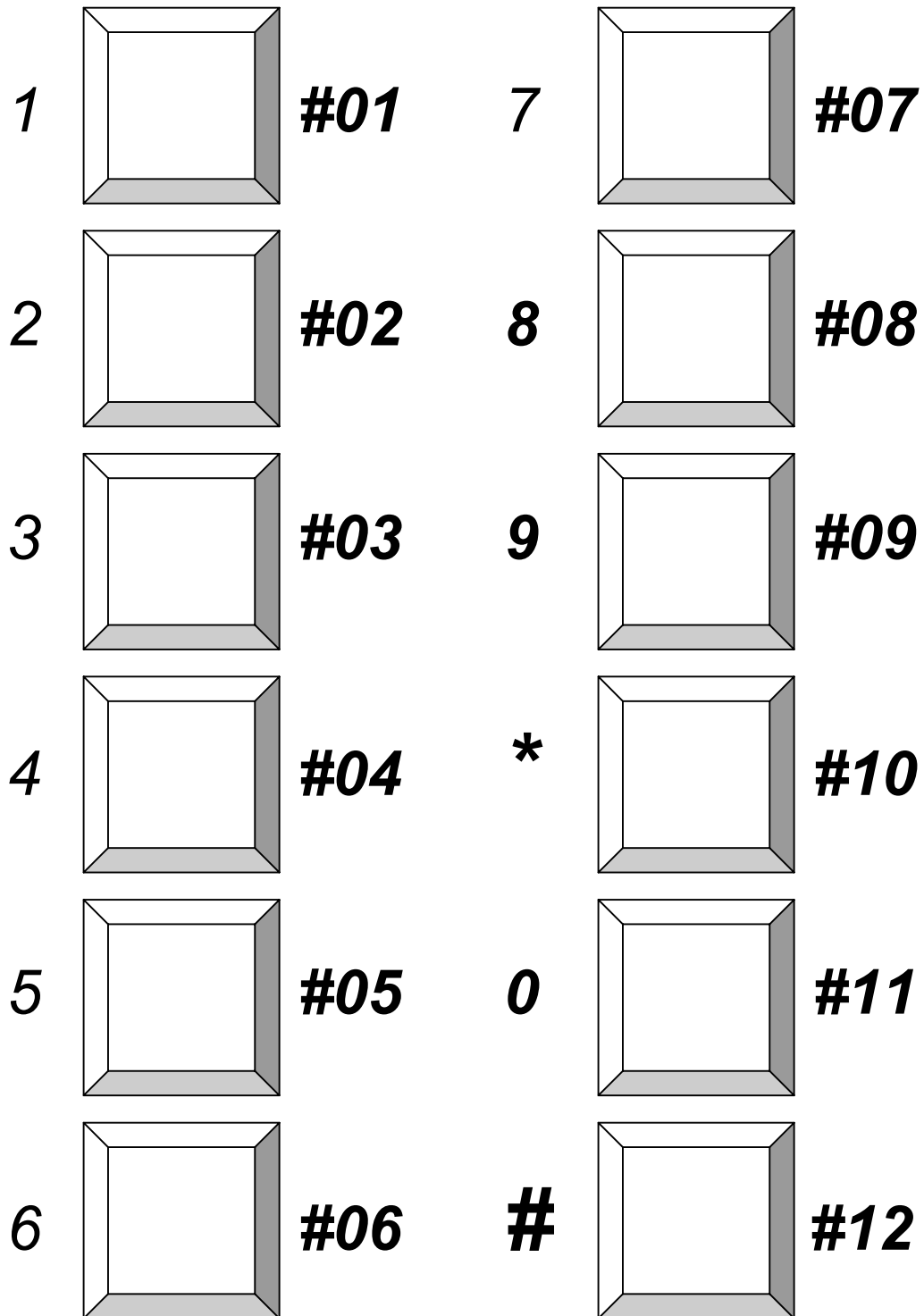
- 3.4 Locate the two **mini-jumpers** on the corner of the PC board. Move them to the **"ON"** position, as depicted in the diagram on the last page of this manual. **Lift the handset** (off hook condition). **Dial #97** to erase all field programmable memory.
- 3.5 If it is necessary for the phone to **automatically dial a number** when the handset is lifted (i.e. PBX number), proceed with this section. If not, proceed to section 3.6. This feature would be used in situations where a number, such as 9, must be dialed to get an outside line, or where a PBX access number must first be dialed. A number of up to twenty-three digits may be entered. Utilizing the keypad, **enter # 1 9 followed by the desired number**. Be sure to record the number in the table below for future reference.

LOCATION #19 TABLE:

#19 _ - _ _ _ - _ _ _ - _ _ _ _

- 3.6 Each button on the (SBA) Single Button Access keypad has it's own memory location for **speed dialing**. To access one of these memory locations, **Dial the "#"** (the pound key), followed by the two digits that correspond to that location (**#01 thru #12**), followed by the **desired speed dial number**. For example, if you want to program a number into the first button (#1 key), press #01 and then enter the number to be stored in that location. Each of the locations can be programmed in continuous succession without starting over for each one. For example, enter **#015551212#027775555 #03911...**(continue until all desired locations are programmed). The keypad layout and corresponding two-digit location codes are depicted on the next page.

SBA KEYPAD CONFIGURATION...



* Please note that some of the SBA keypads have the numbers 1-12 stamped on the keys, which directly correspond to the #01-#12 programming locations.

PROGRAMMING CONTINUED...

- Be sure to record your SBA speed dial numbers in the table below for future reference.

SBA SPEED DIAL TABLE:

#01	—	—	—	—	—	—	—	—	—
#02	—	—	—	—	—	—	—	—	—
#03	—	—	—	—	—	—	—	—	—
#04	—	—	—	—	—	—	—	—	—
#05	—	—	—	—	—	—	—	—	—
#06	—	—	—	—	—	—	—	—	—
#07	—	—	—	—	—	—	—	—	—
#08	—	—	—	—	—	—	—	—	—
#09	—	—	—	—	—	—	—	—	—
#10	—	—	—	—	—	—	—	—	—
#11	—	—	—	—	—	—	—	—	—
#12	—	—	—	—	—	—	—	—	—

- 3.7** Location #00 is the Telephone Options Location. **Enter # 0 0 followed by four digits** selected from the options below. By entering 0 or 1 into each of the following 4 digits, the phone is customized for the particular installation. An entry must be made for each of the four digits.

Enter "#00" followed by the four digits of your choice now.

LOCATION #00:

Digit 1:

- 0 Tone Dial Mode.
- 1 Rotary Dial Mode.

Digit 2:

- 0 No incoming calls allowed.
- 1 Incoming calls allowed.

Digit 3:

- 0 Narrow dial tone detect window. 436Hz to 336Hz
- 1 Wide dial tone detect window. 590Hz to 250Hz (**recommended**)

Digit 4:

- 0 10 PPS (enter 0 if Digit 1 was set for Tone Dial Mode.)
- 1 20 PPS

PROGRAMMING CONTINUED...

- 3.8** Programming is **completed**. Return the two **mini-jumpers** to the **"OFF"** position, as depicted on the last page of this manual. Remove the programming keypad if an external keypad was used. Replace the telephone assembly in its mounting/housing and replace and tighten the security screws.

4.0 TESTING

- 4.1** Lift the handset, the telephone will wait for dial tone. When dial tone is received the initial number will be dialed automatically if programmed as such. Otherwise, the keypad is active for speed dialing. The handset transmitter will be muted.
- 4.2** Press an (SBA) keypad button. The programmed number will be speed dialed. The handset transmitter should be on now.
- 4.3** Keep the instrument off hook and allow the called party to hang up first. Wait for the central office equipment to time out and return dial tone.
- 4.4** As soon as dial tone is received, three (3) tones will be heard. The phone will momentarily open the line. The phone will then reset for another call. The handset transmitter will be disabled.
- 4.5** Place a call into the telephone.
- 4.6** If incoming calls are not allowed, the handset transmitter will not turn on.
- 4.7** If incoming calls are allowed, the transmitter will turn on approximately three (3) seconds after the incoming call is answered.
- 4.8** Attempt to "Hookswitch Dial" by tapping quickly on the hookswitch. The telephone should hang up, seize the telephone line again and dial the programmed number again, if so programmed.

5.0 RECOMMENDED TOOLS AND TEST EQUIPMENT

Volt Meter
1/4" Nut Driver
Flat Blade Screw Driver
Security Tool 301-037

6.0 INSTALLATION 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 telephone assembly from the mounting or housing. Mountings or housings should be installed as is appropriate for each particular item and installation. Be sure that installation is done in accordance with all applicable laws and codes.
- 6.4 Run the inside station wire through the mounting or housing and terminate on to the RJ11C terminal block.
- 6.5 The use of a gas tube station protector is recommended. The station ground should not exceed 50 ohms.
- 6.6 Plug the modular line cord from the telephone assembly into the RJ11C terminal block.
- 6.7 Dress the line cable away from hardware, which might cause damage to the cabled. Secure the telephone assembly by installing and tightening the security screws.
- 6.8 When servicing the phone, be sure the PC board does not contact metal parts, otherwise permanent damage may occur to the board.

*******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.
IMPEDANCE:	600 OHMS
SIGNALING:	DTMF, 70MS TONE, 50MS SPACING
OUTPUT:	-10.0 TO -12.0 dbm
SIGNALING:	ROTARY (PULSES)
OUTPUT:	10 PPS/50 % BREAK. 20 PPS/50 % BREAK.
HEARING AID COMPATIBLE:	MEETS EIA STANDARDS
ENVIRONMENTAL:	TEMPERATURE 00C TO 500C 20%-90% NON-CONDENSATING HUMIDITY
PROGRAMMING:	VIA DTMF KEYPAD.
TELEPHONE PANEL:	BRUSHED 14 GA. STAINLESS STEEL
DIMENSIONS:	10 1/8" W x 13 1/8" H x 2 3/4" D (HANDSET ON HOOK).
MOUNTING BOX:	GOLD IRIDITE PLATED STEEL
WEIGHT:	APPROXIMATELY 8 LB.
DIMENSIONS:	8 1/2" W x 11 1/2" H x 2 5/8" D
MEMORY RETENTION:	LITHIUM BATTERY - LONG LIFE
FCC REGISTRATION:	BW88T7-13823-TE-T
UL LISTED NO.	60F5
RINGER EQUIVALENCY:	0.8A
TYPE JACK:	RJ11C

8.0 PARTS LIST

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>PART NO.</u>
1	Line Cord	301-018
1	Stainless Steel Panel	361-002
1	Mounting Box	361-001
1	Handset, 29" Armored Cord	301-004
1	Handset Ferrule	9071
1	Hookswitch Cradle	301-588
1	Tongue and Bracket Assy.	301-581
2	Microswitch	301-570
1	SBA Keypad	306-105
1	SBA Cable	700-008
1	Network	301-009
1	Network Cable	650-570
1	MCRK2 PC Board	650-521
1	Modular Jack	301-054
1	Security Screw	321-016
1	Rubber Grommet	301-052
1	Ringer	301-006

ACCESSORIES:

1	Metal Button Keypad	705-110
1	Keypad Cable	700-008
1	Security Tool	301-037

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
1580 NW 65th Avenue
Plantation, FL 33313

(954) 587-5430

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.

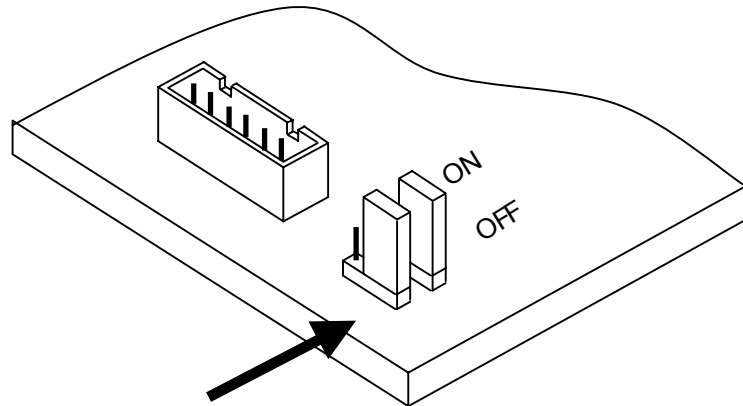
11.2 PRINTED CIRCUIT BOARDS

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.

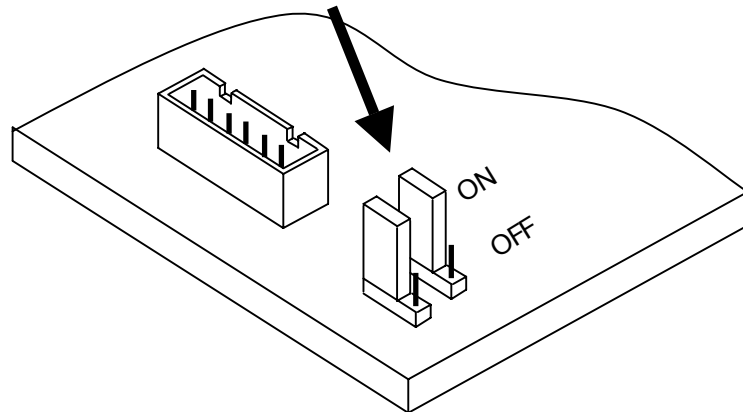
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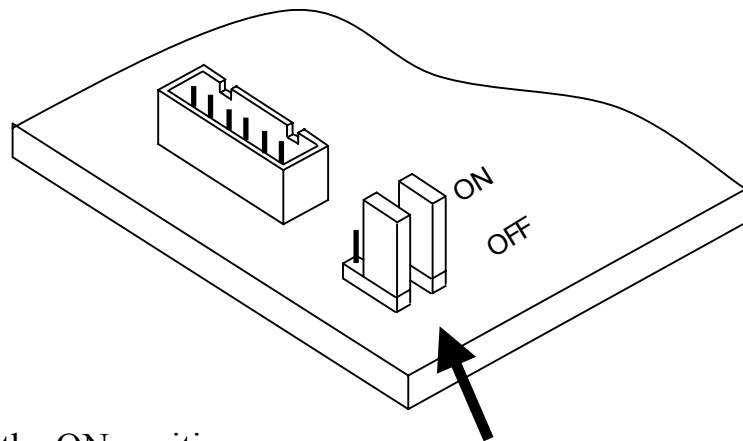
12.0 DIAGRAM



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.