

SERVICE MANUAL

FOR

MODEL WPP(HOB)-531-DD-ADA
WEATHERPROOF TELEPHONE

OR

MODEL SSP-511-DD-ADA
STAINLESS STEEL PANEL TELEPHONE

EQUIPPED WITH SPK-DD-ADA-R1 FIRMWARE

BLACK CALL BUTTONS



Serving the Telephone Industry Since 1930

*Communication Equipment
& Engineering Company*

519 West 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 WPP(HOB)-531-DD-ADA OR SSP-531-DD-ADA EQUIPPED WITH SPK- DD-ADA-R1 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, Florida 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 WPP 531-DD-ADA Handsfree Weatherproof Telephone or Model SSP-511-DD-ADA Handsfree Stainless Steel Panel Telephone.

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 West South Park Street
Okeechobee, FL 34972
(863) 357-0798
FAX (863) 357-0006

2.0 GENERAL

- 2.1 The CEECO Model WPP-531-DD-ADA Handsfree Weatherproof telephone and Model SSP-511-DD-ADA are sturdy, vandal resistant, Stainless Steel Panel Speakerphones. The Weatherproof model is contained in a cast-aluminum, weatherproof housing. Instead of a hookswitch and handset, they have Black Call Buttons for the automatic dialing of preprogrammed telephone numbers. The preprogrammed numbers may be up to eleven digits. The left hand button is the controlling button. When a call is made with the right hand button, the left hand button must be pressed to immediately end the call. Otherwise, the phone will rely on the wink detect (the other party hangs up) or the pre-programmed timing feature to hang up or reset.
- 2.2 The phones are equipped with an LED light, which illuminates red during “off-hook” periods, flashes red and green during dialing, and illuminates green when the call is answered.
- 2.2 The microphone is muted during periods of dial tone eliminating the use of hand held dialers.
- 2.3 Incoming calls may be allowed or blocked depending on the programming.
- 2.4 Programming is accomplished via the DTMF keypad located near the PC board of the phone.

3.0 PROGRAMMING

- 3.1 Separate the telephone assembly from its mounting or housing by loosening the four security screws on the stainless steel panel with a security tool (sold separately) and remove them.
- 3.2 **Connect the telephone** to a working telephone line or DTMF test set.
- 3.3 Locate the two plastic **mini-jumpers** on the edge of the PC board and place them in the "ON" position, as depicted on the last page of this manual.
- 3.4 Press the **LEFT black call button** on the front of the panel to begin programming. You should receive dial tone.
- 3.5 Each programming location is accessed by dialing the "#" sign and a two digit code. The valid program locations are #00, #01, and #19. The previous contents of the location are automatically erased when the location code is dialed.
- 3.6 To begin, **enter #97** on the keypad to clear all user-programmable memory.

NOTE: Once the # key has been entered, you may hear a fast busy tone, an operator recording, or other Central Office signals. Please disregard these sounds and continue programming, as they will have no effect on the programming.

- 3.7 Location "00" is the telephone options program location. By entering 0 or 1 into each of the 5 digits found under location #00 on the next page, the phone is customized to each particular installation. So after dialing #97, **enter #00 followed by** your selections for the **five digits**. For example, enter #97#0000101. This entry will set the phone for no incoming calls, wide dial tone-detection window, time-out disconnect enabled, with a 3 minute time-out. Notice that the dialing is done in a continuous sequence with no pauses or steps in between.

PROGRAMMING CONTINUED...

LOCATION #00

Digit 1:

Always 0. Not used in this model.

Digit 2:

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

Digit 3:

- 0 Use narrow dial tone detect window.
- 1 Use wide dial tone detect window.

Digit 4:

- 0 Time-out disconnect enabled.
- 1 Time-out disconnect disabled.

Digit 5:

- 0 Time-out of 1.5 minutes.
- 1 Time-out of 3.0 minutes.

***Do not stop your programming sequence yet, however. You must now enter the numbers to be auto-dialed.**

3.8 LEFT BLACK CALL BUTTON

To program the number to be automatically dialed by the left hand call button, **enter # 1 9, followed by the desired number.** The number may be up to eleven (11) digits in length. Example: #1918005551212. When the left button is pressed, the number 1-800-555-1212 will automatically dial out.

3.9 RIGHT BLACK CALL BUTTON:

To program the number to be automatically dialed by the right hand button, **enter # 0 1 followed by the desired number.** The number may be up to eleven (11) digits in length. Example: #01911. When the right button is pressed, the number 911 will automatically dial out.

PROGRAMMING CONTINUED...

NOTE: A complete programming sequence would appear as follows:

#97#0000101#1918005551212#01911. This would set the phone as stated in the examples under sections 3.7, 3.8 and 3.9. Again notice that the programming can be accomplished in one continuous.

- 3.10** When programming is finished, press the **LEFT** black call button to **hang up** the phone and return the two plastic **mini-jumpers** to the **"OFF"** position, as depicted on the last page of this manual. The phone is now ready for use.

4.0 OPERATION

- 4.1** To make a call, press the left or right call located on the front of the phone. The LED will light red at this time and the preprogrammed number will dial out. While the phone is ringing, the LED will flash back-and-forth between red and green. When the called party answers the LED will turn green after approximately 2-4 seconds. Please note that the ADA feature will only function on a working telephone line and not on a DTMF test set. The microphone is active immediately after the preprogrammed number is released.
- 4.2** After the call is completed, press the black call button (left) to hang up the phone. Otherwise the phone will only hang up after detecting the far end wink back or it times out, if so programmed.

5.0 RECOMMENDED TOOLS AND TEST EQUIPMENT

DTMF test set

Volt/Ohm meter

3/8" Nut Driver

Flat Blade screwdriver

Security Tool (CEECO P/N 301-064)

6.0 INSTALLATION NOTES AND ASSEMBLY INSTRUCTIONS

- 6.1 Using a 301-064 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 weatherproof housing or mounting by pulling the faceplate forward.
- 6.4 Run the inside station wire into the enclosure and terminate on the RJ11C terminal block inside.
- 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 faceplate assembly into the RJ11C terminal block.
- 6.7 If you have not programmed the numbers then they should be entered now. See section 3.0.
- 6.8 Dress the line cable away from the security screws and seat the faceplate into the weatherproof housing or mounting.
- 6.9 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 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 TESTING

Action: Connect the phone to the line.
Press the LEFT black call button.

Reaction: The LED will illuminate red and the preprogrammed number will automatically dial out. The LED will flash red and green during ringing. The LED will turn green when the call is answered (within a maximum of four seconds). A normal speakerphone conversation should take place.

Action: When the call is finished, press the left black call button or wait until timeout occurs.

Reaction: The call is terminated and the LED will turn off.

Action: Press the RIGHT call button.

Reaction: The LED will illuminate red and the preprogrammed number will automatically dial out. The LED will flash red and green during ringing. The LED will turn green when the call is answered (within a maximum of four seconds). A normal speakerphone conversation should take place.

Action: When the call is finished, press the LEFT black button or wait until timeout occurs.

Reaction: The call is terminated and the LED will turn off. The phone will return to an “on-hook” condition, ready for additional calls.

8.0 SPECIFICATIONS

INPUT POWER:	C.O. Line powered
LOOP CURRENT:	30mA minimum 80 mA maximum
IMPEDANCE:	600 ohms
SIGNALING:	DTMF, 70ms tone, 50 ms spacing
OUTPUT:	-4.0dbm to -6.0dbm
ENVIRONMENTAL:	Temperature 0o C to 50o C Humidity 20%-90%
PROGRAMMING:	Via DTMF keypad.
MEMORY RETENTION:	Non-volatile storage (does not require power for retention).
DIMENSIONS: (SSP)	7 1/6" Wide x 11 1/4" High x 4 1/4" Deep (Handset on hook)
MOUNTING:	Vertical Surface Mount.
WEIGHT:	Approximately 4 Pounds.
WEATHERPROOF HOUSING:	Cast Aluminum
DIMENSIONS: (WPP)	9 1/2" Wide x 12 5/8" High x 8" deep. (including door).
MOUNTING:	4 holes spaced 8" x 5 7/8" x 13/32" (or optional pole mounting bracket)
WEIGHT:	Approximately 12 pounds.
UL LISTED NO.:	6OF5
FCC REGISTRATION:	BW-88T7-68447-KX-T
TYPE JACK:	RJ11C

9.0 PARTS LIST

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
4	9024	OUTER COVER SECURITY SCREW
1	301-018	MODULAR LINE CORD
1	531-000	FACE PLATE
1	301-054	MODULAR CONNECTOR (RJ11C)
1	531-200	SERVICE MANUAL
1	700-008	KEYPAD CABLE
1	660-000	CEECO SPK BOARD
1	705-110	CONNECTORIZED KEYPAD
2	6020-B	MOMENTARY PANEL SWITCH
1	14024	SPEAKER
1	12017	RINGER

ACCESSORIES:

1	301-064	SECURITY TOOL
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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 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 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

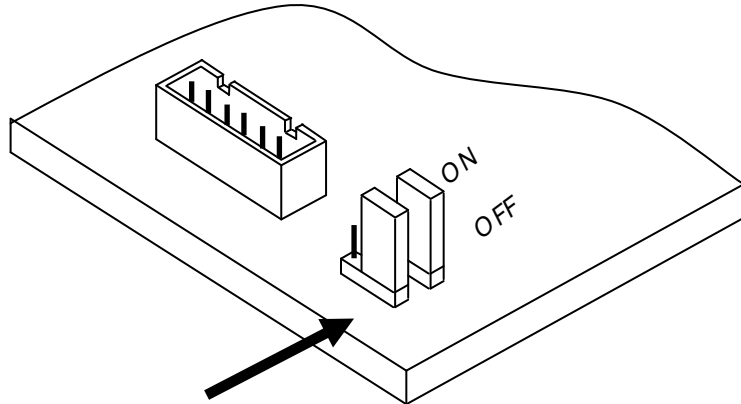
CEECO products are guaranteed to be free of defects in material and workmanship for a period of 365 days from the date of original purchase. CEECO's obligation under this warranty is limited to repair or replacement of any part found to be defective by CEECO. Under no circumstances shall CEECO be liable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

11.2 PRINTED CIRCUIT BOARDS

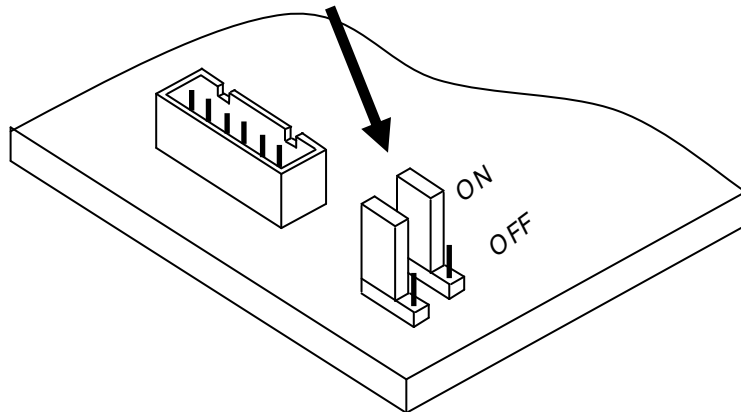
Printed circuit boards should not be repaired in the field. If a unit is found to be faulty, replace it with another unit and return the faulty unit to CEECO for repair. Modifications by anyone other than CEECO will void the warranty.

12.0 DIAGRAM

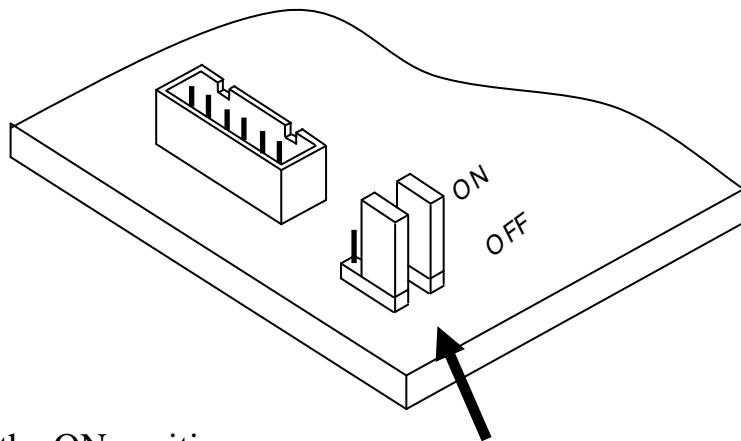
Locate the mini jumpers on the corner of the PCB.



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; this will decrease battery life.