

**SERVICE MANUAL**

**FOR**

**MODEL SSW(BLW)-321-F-IVC-IC-M**

**MINI WALL TELEPHONE**

**EQUIPPED WITH MAGETIC HOOKSWITCH AND INTERNAL  
VOLUME CONTROL AND NOISE REDUCTION CIRCUIT.**



**Serving the Telephone Industry Since 1930**

***Communication Equipment  
& Engineering Company***

**519 West South Park Street  
Okeechobee, 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	SSW(BLW)-321-F-IVC-IC-M
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 Model **SSW(BLW)-321-F-IVC-IC-M**, which is a Stainless Steel Mini Wall Telephone or a Blue Painted Steel Mini Wall Telephone.

The information in this manual is subject to change without notification.

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

### **CEEEO**

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

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

## 2.0 GENERAL DESCRIPTION

The CEEEO model SSW(BLW)-321-F-IVC-C-M is a Mini Wall Telephone equipped with a metal button alpha-numeric keypad, magnetic hookswitch with chrome plated handset cradle, internal volume control and noise reduction circuit. It is designed for special applications where a telephone must be both sturdy and attractive. The internal volume control is operated by a push button mounted on the face of the housing. The button bears a universal volume control symbol on its face. The built in noise reduction circuit helps reduce background noise. Rather than the standard mechanical hookswitch, these phones are equipped with a magnetic hookswitch, which translates to no moving parts and less chance of intrusion.

## 3.0 PROGRAMMING

Connect the Ceeco XFD Series Telephone to the Telephone Line provided by your local Telephone Company or to analog type PABX Station.

Tone Using another Telephone (Different Telephone Line) equipped with a Touch Keypad, call the Telephone equipped with the Ceeco XFD.

When the Telephone equipped with the Ceeco XFD rings about 3 times, answer the Telephone.

From the local or remote Keypad, type # followed by the five (5) digit Pass Code

## PROGRAMMING CONT'D...

(Factory Default: 23326\*). Two (2) beeps will be heard indicating a valid Pass Code entry, Five (5) beeps will only be heard when errors occur.

Review the programming feature commands below and make entries according to the particular requirements.

### 3.1 Programming Feature commands:      Keys to enter:

- Clear Memory      #97\*
- PABX Enable and number to dial      #55x\*(x = 0 – 9 Digit)
- PABX Disable      #55\* (Default)
- Transmitter Muted Off Hook      #560\* (Default)
- Transmitter Not Muted Off Hook      #561\*
- Tone Dial Mode      #570\* (Default)
- Rotary Dial Mode      #571\* (Rotary 10pps)
- Pause After PABX Digit      #58x\* (x = # of Sec 1 – 9 max; 1 is Default)
- No background Noise Reduction      #590\* (Normal Mode)
- Background Noise Reduction      #591\* (Noise Reduction Mode)
- No Pause After PABX Digit      #67x\* (x = **0 Disable**, x = 1 Enable)
- Change Pass Code      #31x\* (x = 5 Digits(0 – 9))

\* When finished, simply hang up and the phone is ready for operation as programmed.

## 4.0 RECOMMENDED TOOLS AND TEST EQUIPMENT

Volt/Ohm Meter

1/4" Nut Driver

Flat Blade Screw Driver

Security Tool CEECO Part Number 301-037

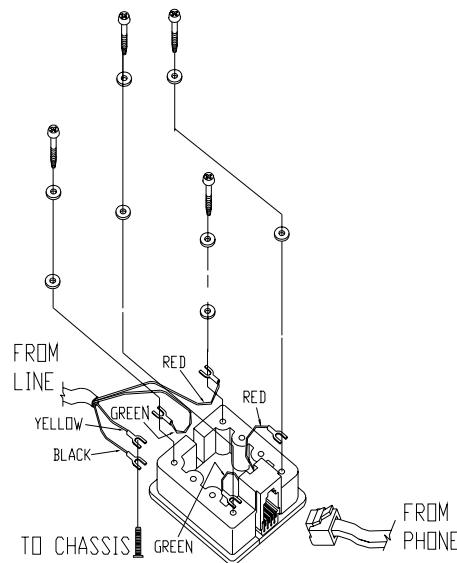
## **5.0 INSTALLATION NOTES AND ASSEMBLY INSTRUCTIONS**

- 5.1** Using a 301-037 security tool (sold separately) loosen and remove the security screw.
- 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 backplate assembly.
- 5.4** The backplate assembly may be installed on any standard backboard.
- 5.5** Run the inside station wire through the backplate assembly and terminate on the RJ11C modular jack on the backplate, as depicted on the following page.
- 5.6** The use of a gas tube station protector is recommended. The station ground should not exceed 50 ohms.
- 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 security screw and install the cover assembly by inserting the tabs into the slots on top of the backplate.
- 5.9** Secure the cover assembly by tightening the security screw.

### **\*\*\*\*\*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.**

## 5.10 Modular Jack/Telephone Line Wiring Diagram:



## 6.0 TESTING

- 6.1 Connect the phone to a phone line or a DTMF phone test set.
- 6.2 Lift the handset, dial tone is heard.
- 6.3 Dial a number. (The transmitter is muted while the phone is dialing.)
- 6.5 Press the volume control button. Volume should increase each time and reset on the fourth press of the button. 18-20dB overall gain.
- 6.6 Normal phone conversation is allowed. Place the handset on hook. Volume control will reset to normal.
- 6.7 Place a call into the phone.
- 6.8 Normal phone conversation is allowed.

## 7.0 SPECIFICATIONS

INPUT POWER:	C.O. Line Powered
LOOP CURRENT:	20mA min to 80mA max
IMPEDANCE:	600 ohms
SIGNALING:	DTMF
HEARING AID COMPATIBLE:	Meets EIA standards
ENVIRONMENTAL:	Temperature 0°C to 50°C Humidity 20%-90% non-condensating
RINGER EQUIVALENCY:	0.4A
TYPE JACK:	RJ11C
TELEPHONE COVER:	Brushed 16 ga. Stainless Steel
DIMENSIONS:	5" Wide x 10 3/4" High x 5 1/2" deep (Handset on hook)
MOUNTING:	Vertical surface mount
WEIGHT:	6 lbs.
FCC REGISTRATION:	BW-88T7-13717-TE-T
UL LISTED NO.:	6OF5



## 8.0 PARTS LIST

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
1	321-008	Blue Painted Mini Housing <b>or</b>
1	321-020	Stainless Steel Mini Housing
1	705-100	Metal Button Key Pad
1	301-106-32	Handset w/ Armored Cord & Steel Lanyard
1	401-009	Ringer
1	301-592	Magnetic Hookswitch Assembly
1	301-018	Modular Cord
1	321-015	Stainless Steel Backplate
1	321-016	1/4 - 20 x 3/4 Security Screw
1	308-015	Swivel
1	301-052	Grommet
1	301-054	Modular Jack
1	301-18067	XFD3.2 Printed Circuit Board
1	321-VCB	Volume Control Button w/Volume Symbol

### ACCESSORIES:

1	301-037	Security Tool
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### OPTIONS:

301-106-18 (Prison)	18" Armored Cord Handset w/Steel Lanyard
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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. 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 7.00.

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 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 Material Authorization must be requested no later than 30 days after original shipment. Items returned for credit must be returned in their original shipping container.

## **11.0 WARRANTY POLICY**

### **11.1 GENERAL**

CEEEO guarantees its products to be free from defects in material and workmanship for a period of 365 days from the date of original purchase. CEEEO's obligation under this warranty is limited to repair or replacement of any part found to be defective by CEEEO.

UNDER NO CIRCUMSTANCES shall CEEEO be liable for loss, damage, cost of repair or consequential damages of any kind, which have been caused by neglect, abuse or improper operation of equipment.

CEEEO will repair or replace any unit during this period if found to be defective for reasons other than abuse and improper use or improper installation. It is the buyer's responsibility to return the defective unit to the factory. CEEEO 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 CEEEO for repair. Modifications by any one other than CEEEO will void the warranty.