SERVICE MANUAL

FOR

MODEL SSW-520-X

CUSTOM STAINLESS STEEL HANDS FREE WALL TELEPHONE

EQUIPPED FOR RING DOWN OPERATION

CEECO

Serving the Telephone Industry Since 1930

Communication Equipment	**519 West South 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 SSW-520-X STAINLESS STEEL HANDS FREE WALL TELEPHONE EQUIPPED FOR RING DOWN OPERATION.
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
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1.0   INTRODUCTION

The practices in this manual provide installation and maintenance information for the CEECO Model SSW-520-X Stainless Steel Wall 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
(863) 357-0006 (FAX)

2.0   GENERAL

2.1   The CEECO Model SSW-520-X Hands free telephone is a sturdy, vandal resistant, Stainless Steel Speakerphone, customized for manual ring down operation.   Instead of a hookswitch and handset, the telephone is equipped with a Press to start/Press to stop Call Button. The button provides for the "off-hook" / "on-hook" condition of the phone line in order for the external call equipment (i.e. Central Office, PBX, or Communication System) to direct the call as intended. The phone itself will not dial anything. It simply provides the "off-hook" condition, and talk path for two-way, handsfree communication. The phone is well suited for ring down circuits, inbound calls, PBX direct connections, or VoIP configurations that do not require a keypad.

4.0   OPERATION

To make a call, press the Call Button located on the front of the telephone and wait to hear dial tone. If the phone is attached to a communication system without dial tone, it will simply be connected as wired. The LED (if provided) will illuminate red at this time and the call will be connected as per the established connection via the C.O., PBX, or Communication System. When the call is completed, press the Call Button again to hang up the phone. The call will be terminated and the LED (if provided) will go out.

5.0   RECOMMENDED TOOLS AND TEST EQUIPMENT

Volt/Ohm Meter
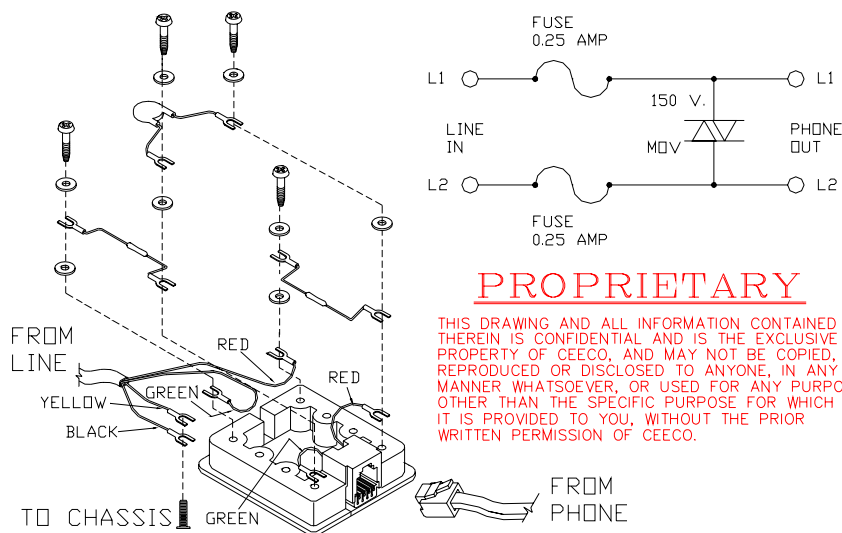Security Tool, CEECO part number 301-037
Flat Blade Screw Driver

*****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.

6.0 INSTALLATION NOTES AND ASSEMBLY INSTRUCTIONS

6.1 Using a 301-037 security tool (sold separately), loosen and remove the security screw.

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 back plate assembly by pulling the bottom forward and pushing up.

6.4 The back plate assembly is designed to be mounted on any flat vertical surface. Four mounting holes are provided.

6.5 Run the inside station wire (tip & ring) through the back plate assembly and terminate onto the terminal block on the back plate, as depicted on the following page.

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

6.7 Plug together the line cord wires (red & green) from the telephone assembly and the backplate, by matching the marked surfaces of the connectors. (refer to diagram on next page). Dress the lines/cables away from the security screw.

6.8 Install the cover assembly by placing the two tabs into the two corresponding slots and secure the cover assembly by tightening the security screw.

6.9 TELEPHONE LINE WIRING DIAGRAM

7.0   TESTING

Action: Connect the phone to the line.
                 Press the Call Button.

Reaction: Dial tone is received (if on a dial tone system).
                 LED illuminates.

Action: The phone call is connected as provisioned through the Central
                 Office, PBX, or Communication System.

Reaction: The called party answers.
                 A normal speakerphone conversation is allowed.

Action: Finish the conversation.
                 Press the Call Button again to hang up.
                 The called party hangs up.

Reaction: LED goes out.
                 The call is terminated.

Action: Using another phone, call the number of the line to which the
                 SSW-520-X is attached.

Reaction: The internal ringer will sound, indicating the incoming call. Press
                 the button to answer the phone and a normal speakerphone
                 conversation should follow. Press the button again when done.

8.0   SPECIFICATIONS

INPUT POWER :   C.O./PBX/Comm. Sys. Line powered

LOOP CURRENT :   27ma. min. 80ma. max.

IMPEDANCE :   600 ohms

RING SIGNALING :   90-120VAC/20Hz

OUTPUT :   -4.0 to -6.0dbm

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

PROGRAMMING :   Via DTMF keypad.

DIMENSIONS :   5"W X 10"H X 3 1/2"D

MOUNTING :   Vertical surface mount

MEMORY RETENTION :   Non-volatile memory retention

WEIGHT :   Approximately 6 Pounds

TYPE JACK :   RJ11C

9.0   PARTS LIST

QUANTITY	PART NUMBER	DESCRIPTION
1	301-018	MODULAR LINE CORD
1	301-054	MODULAR CONNECTOR (RJ11C)
1	SSW-520-X	SERVICE MANUAL
1	660-100	CEECO SPK BOARD w/o 945-005 Relay
1	6020-A	PUSH BUTTON SWITCH
1	14123	SPEAKER
1	12017	RINGER
1	11049	STAINLESS STEEL COVER
1	321-017	STAINLESS STEEL BACKPLATE
1	9023	1/4-20 X 3/4" SECURITY SCREW

ACCESSORIES:

1	301-037	SECURITY TOOL

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
(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 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 20% restocking charge based on the manufacturer's list price. Return Material Authorization 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, acts of GOD or improper operation of equipment.

11.2   PRINTED CIRCUIT BOARDS

Printed circuit boards should not be field repaired. 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.