

**SERVICE MANUAL**  
**FOR**  
**MODEL 350-300**  
**VISITATION POWER SYSTEM**



*Serving the Telephone Industry Since 1930*

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*Communication Equipment  
& Engineering Company*

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**519 West South Park Street  
Okeechobee, Florida 34972**

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**Voice: 863-357-0798**

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**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 350-300 VISITATION POWER SYSTEM.
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*

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(863) 357-0798 Voice  
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## 1.0 INTRODUCTION

The practices in this manual provide installation, technical and maintenance information for Model 350-300 Visitation Power System.

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, Florida 34972

(863) 357-0798  
(863) 357-0006 FAX

## 2.0 GENERAL DESCRIPTION

The CEECO Model 350-300 is a Visitation Power System designed for special purpose applications that require a rugged and convenient means for wiring multiple visitation units to the power supply, and connecting the individual loops. The system includes an AC to DC power supply, insulated screw terminals for up to 32 visitation units (16 pair), audio balancing components, and instruction plate, all in a rack or wall mountable, pre-wired configuration with mounting hardware.

Note: Wire for connecting the 350-300 to the telephone/visitation units is not included.

## 3.0 OPERATION

The CEECO Model 350-300 Visitation Power System is designed to provide power and talk path loops for up to 16 pairs (32 units) of the CEECO 350 Series Visitation Telephone Units. Once installed, the system provides regulated and balanced power such that each telephone pair may conduct a conversation of high sound quality immediately upon lifting each pair to the ear.

## 4.0 RECOMMENDED TOOLS AND TEST EQUIPMENT

Volt/Ohm Meter  
¼" Nut Driver  
Flat Blade Screw Driver  
Small Flat Blade Screw Driver  
Wire Strippers/Cutters 22-26 gauge  
Small Needle Nose Pliers  
Security Tool, CEECO Part Number 301-064.

### **\*\*\*\*\* WARNING \*\*\*\*\***

- A. Never install telephone wiring during a lightning storm.**
- B. Never install telephone wiring in wet locations unless the wiring 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 or other power supply.**
- D. Use caution when installing or modifying telephone lines or attached equipment.**
- E. Do not attach wiring to or remove wiring from the CEECO Model 350-300 without first unplugging the unit from the AC power source.**

## 5.0 INSTALLATION NOTES AND ASSEMBLY INSTRUCTIONS

- 5.1 The power supply is intended to run on a 100-240 VAC 2A 50/60Hz line and comes with a 3-prong grounding plug. The outlet must be grounded, or a separate ground wire should be run from the individual phone units to a suitable ground. Do not plug the power supply into the outlet until the CEECO Model 350-300 is mounted and all wiring is completed. The selected location must be safe and secure and, **\*Grounding and installation must be in accordance with all applicable local and national electrical and building codes.**
- 5.2 Determine the desired mounting location for the 350-300 and mount securely to the wall or rack utilizing the include hardware. Page 12 of this manual may be referenced for dimensions for mounting.
- 5.3 Attach the wire pairs from each visitation pair to the appropriate screw terminal positions on the 350-300, as per the diagram on page 13 of this manual. It is best to match the wire color codes between the visitation units and the visitation system. For those visitation telephone units that have red and green wires, the green corresponds to gray and the red corresponds to white on the 350-300.
- 5.4 Run the modular cords through the knock out holes in the mounting boxes. Mount the telephone units, utilizing the security screws provided, to the mounting boxes. The security tool, which is sold separately, must be used for the security screws.
- 5.5 Note: For high sound quality conversations and recordings, be certain that each set of connected wires is cleanly stripped and tightly attached to the screw terminal positions.
- 5.6 After ensuring that each connection has been properly made, and all wires have been neatly and safely routed, plug the power supply of the CEECO Model 350-300 into the intended outlet. All audio paths should be available as wired.

## 6.0 TESTING

- 6.1 Once installation has been completed, allow the phones to rest on-hook a few minutes, with the power supply on.
- 6.2 Lift the handsets of the units that are intended to talk to one another. Determine that normal conversation is allowed. If so, return the handsets to the cradles. The phone units are ready for use.
- 6.3 If normal conversation does not take place, please review the installation steps. Make a visual check to ensure that all wires and connectors are as they should be. Remember that the phone units, which are connected to the same screw terminal points, will allow talk paths to one another. A phone connected to one screw terminal point cannot talk to a phone connected to another jack/interface.
- 6.4 Once it has been determined that the installation and connections are correct, the system is ready for use. If trouble is still experienced, please refer to section 9.2 of this manual.

## 7.0 SPECIFICATIONS

INPUT POWER:	100-240VAC, 2A, 50/60Hz
OUTPUT POWER:	15VDC, 4A
LOOP CURRENT:	23 ma min. to 80 ma max.
IMPEDANCE:	600 Ohms
LOOP RESISTANCE:	100 Ohms 2 Watt
ENVIRONMENTAL:	Temperature 0° C to 50° C Humidity 20%-90% non-condensating
WIRE GAUGE:	24 Gauge (White=Low; Gray=High)
DIMENSIONS:	19" Wide x 10.5" High x 3" Deep
MOUNTING:	RACK 19" Wide x 7.5" High WALL 16" Wide x 9 3/16" High
WEIGHT:	Approximately 4 lb.



## 8.0 PARTS LIST

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
1	350-300	Visitation Power System
1	350-255	Power Supply
8	301-10086	8 Position Insulated Screw Terminal
1	301-030	Instruction Frame
32	301-5160	100 Ohm 2 Watt Resistor
4	Hardware	#10-32 x 1" Screw, Nut, Washer
4	Hardware	1.5" Deck/Dry Wall Screw
16	Hardware	6-32 x 1.5" Security Screw
3	Hardware	6-32 x .75" Security Screw
19	Hardware	6-32 Nut
2	Hardware	#6 Lock Washer
1	Hardware	#6 Flat Washer

## **9.0 REPAIR AND RETURN INFORMATION**

### **9.1 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.

### **9.2 DIRECT ALL INQUIRES TO:**

**CEECO**  
Repair Department  
519 West South Park Street  
Okeechobee, Florida 34972

### **9.3 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.

### **9.4 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.

## **10.0 WARRANTY POLICY**

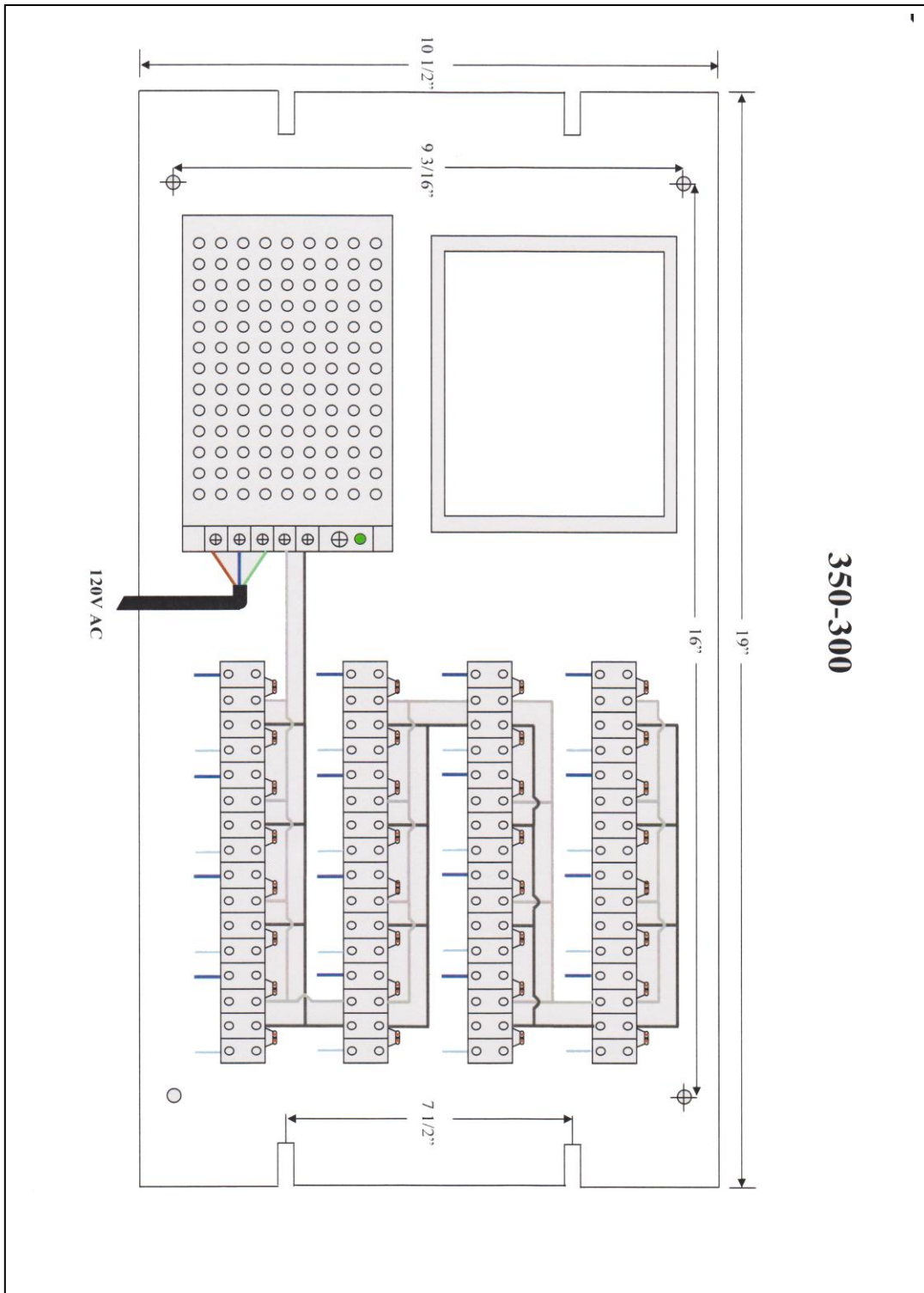
### **10.1 GENERAL**

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. This warranty is limited to the value of material only.

### **10.2 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 any one other than CEECO will void the warranty.

### 11.0 DIMENSION & WIRING DIAGRAM



## 12.0 WIRING DETAILS DIAGRAM

