



TERMALINE[®] LOAD RESISTOR
SERIES 8930

OPERATION MANUAL

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INSTRUCTION BOOK PART NUMBER 920-8930S REV. E

TERMALINE[®] IS A REGISTERED TRADEMARK
OF BIRD ELECTRONIC CORPORATION

Keep Away From Live Circuits

Shock Hazard

Do Not Service Or Adjust Alone

Safety Earth Ground

Resuscitation

Remove Power

Safety Symbols



. *Calls attention to supplemental information.*

W A R N I N G S I T E M A K I N G

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C O N T E N T S

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ANY USE OF THIS INSTRUMENT IN A MANNER NOT SPECIFIED BY THE MANUFACTURER MAY IMPAIR THE INSTRUMENT'S SAFETY PROTECTION.

* * *

EL USO DE ESTE INSTRUMENTO DE MANERA NO ESPECIFICADA POR EL FABRICANTE, PUEDE ANULAR LA PROTECCIÓN DE SEGURIDAD DEL INSTRUMENTO.

* * * * *

WIRD DAS GERÄT AUF ANDERE WEISE VERWENDET ALS VOM HERSTELLER BESCHRIEBEN, KANN DIE GERÄTESICHERHEIT BEEINTRÄCHTIGT WERDEN.

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TOUTE UTILISATION DE CET INSTRUMENT QUI N'EST PAS EXPLICITEMENT PRÉVUE PAR LE FABRICANT PEUT ENDOMMAGER LE DISPOSITIF DE PROTECTION DE L'INSTRUMENT.

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QUALORA QUESTO STRUMENTO VENISSE UTILIZZATO IN MODO DIVERSO DA COME SPECIFICATO DAL PRODUTTORE LA PROIZIONE DI SICUREZZA POTREBBE VENIRNE COMPROMESSA.

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SERVICING INSTRUCTIONS ARE FOR USE BY SERVICE - TRAINED PERSONNEL ONLY. TO AVOID DANGEROUS ELECTRIC SHOCK, DO NOT PERFORM ANY SERVICING UNLESS QUALIFIED TO DO SO.

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LAS INSTRUCCIONES DE SERVICIO SON PARA USO EXCLUSIVO DEL PERSONAL DE SERVICIO CAPACITADO. PARA EVITAR EL PELIGRO DE DESCARGAS ELÉCTRICAS, NO REALICE NINGÚN SERVICIO A MENOS QUE ESTÉ CAPACITADO PARA HACERLO.

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ANWEISUNGEN FÜR DIE WARTUNG DES GERÄTES GELTEN NUR FÜR GESCHULTES FACHPERSONAL.

ZUR VERMEIDUNG GEFÄHRLICHER, ELEKTRISCHER SCHOCKS, SIND WARTUNGSARBEITEN AUSSCHLIEßLICH VON QUALIFIZIERTEM SERVICEPERSONAL DURCHZUFÜHREN.

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L'EMPLOI DES INSTRUCTIONS D'ENTRETIEN DOIT ÊTRE RÉSERVÉ AU PERSONNEL FORMÉ AUX OPÉRATIONS D'ENTRETIEN. POUR PRÉVENIR UN CHOC ÉLECTRIQUE DANGEREUX, NE PAS EFFECTUER D'ENTRETIEN SI L'ON N'A PAS ÉTÉ QUALIFIÉ POUR CE FAIRE.

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LE ISTRUZIONI RELATIVE ALL'ASSISTENZA SONO PREVISTE ESCLUSIVAMENTE PER IL PERSONALE OPPORTUNAMENTE ADDESTRATO. PER EVITARE PERICOLOSE SCOSSE ELETTRICHE NON EFFETTUARE ALCUNA RIPARAZIONE A MENO CHE QUALIFICATI A FARLA.

Termaline® Load Resistor

CONNECT INTERLOCK TO TRANSMITTER/GENERATOR/AMPLIFIER BEFORE OPERATING.

BRANCHER LE VERROUILLAGE A L'EMETTEUR/GENERATEUR/AMPLIFICATEUR AVANT EMPLOI.

CONNECTE EL INTERBLOQUEO AL TRANSMISOR/GENERADOR/AMPLIFICADOR ANTES DE LA OPERACION.

VOR INBETRIEBNAHME VERBODEN DE LUND AM SENDER/GENERATOR/VERSTÄCKER ANSCHLIESSEN.

PRIMA DI METTERE IN FUNZIONE L'APPARECCHIO, COLLEGARE IL DISPOSITIVO DI BLOCCO AL TRANSMETTITORE/GENERATORE/AMPLIFICATORE.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

C O N T E N T S	1 1 8 7 4 0	2 2 8 7 4 0

C O N T E N T S

C O N T E N T S

1 1 8 7 4 0

2 2 8 7 4 0

3 3 8 7 4 0

4 4 8 7 4 0

5 5 8 7 4 0

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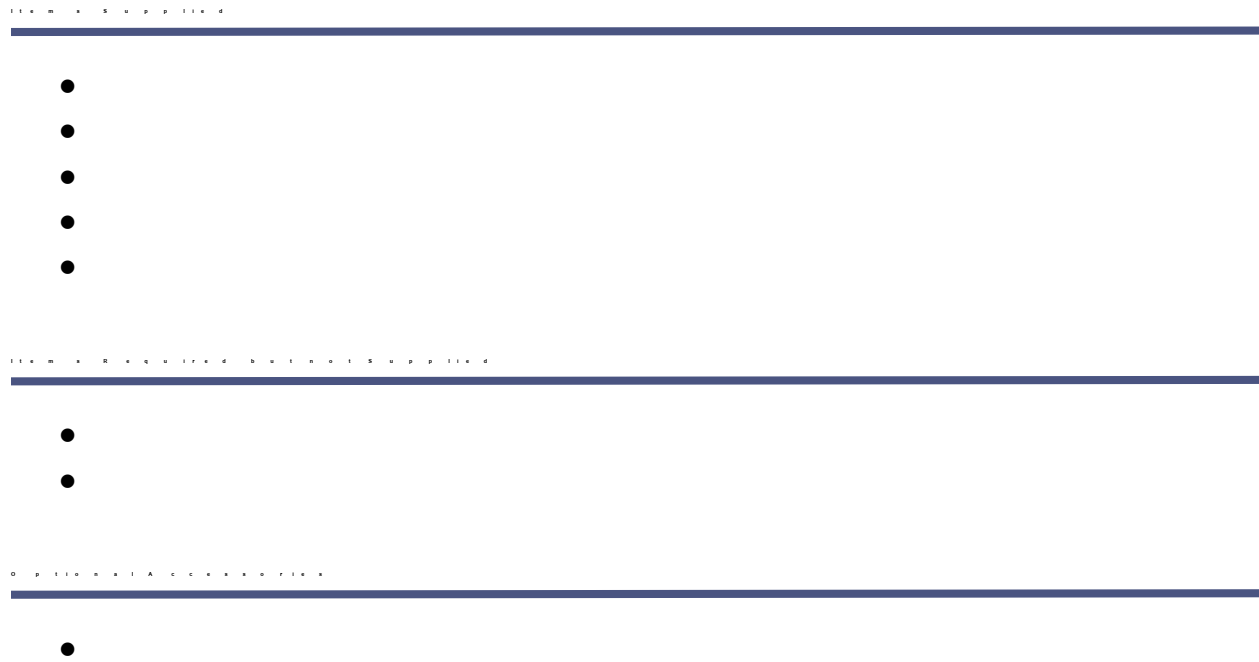
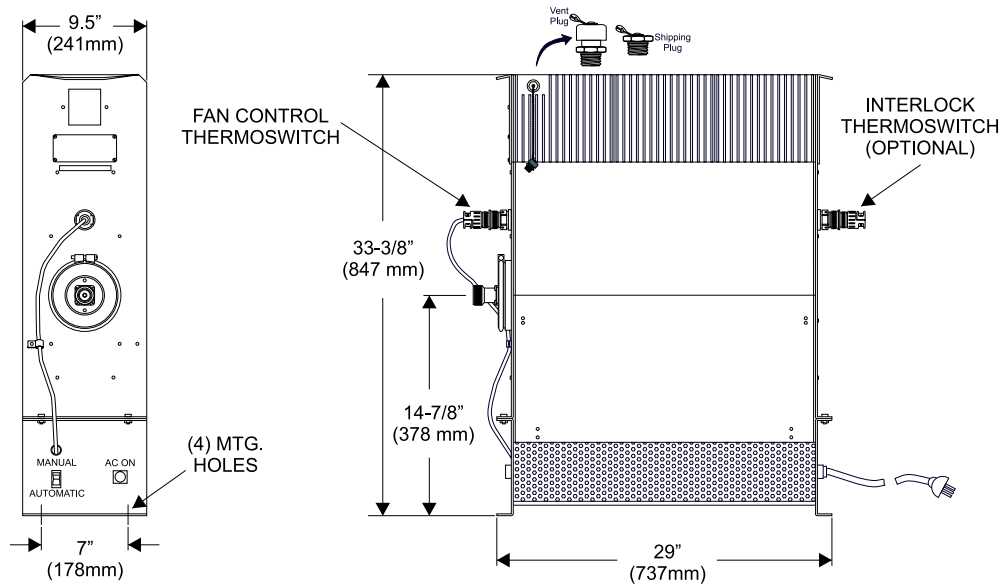


Figure 1 Bird 8930 Series Outline Drawing



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..... *If there is damage, immediately notify the shipping carrier and Bird Technologies.*

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T E C H N I C A L

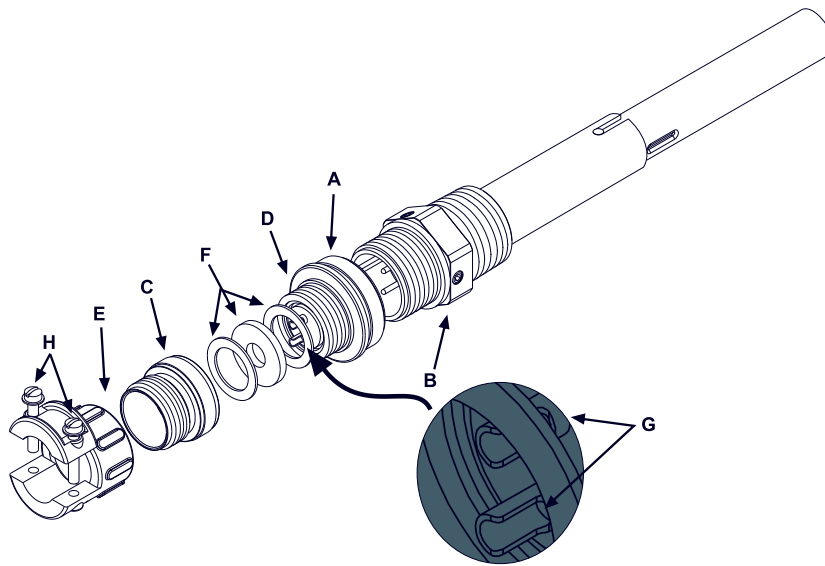


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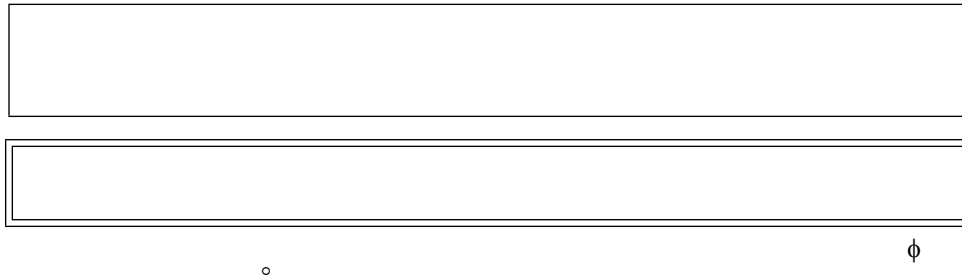


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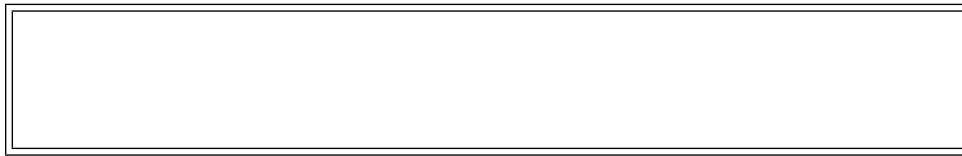
Figure 2 *Thermoswitch Connections*



A C P W + F C O N N E C T I O N



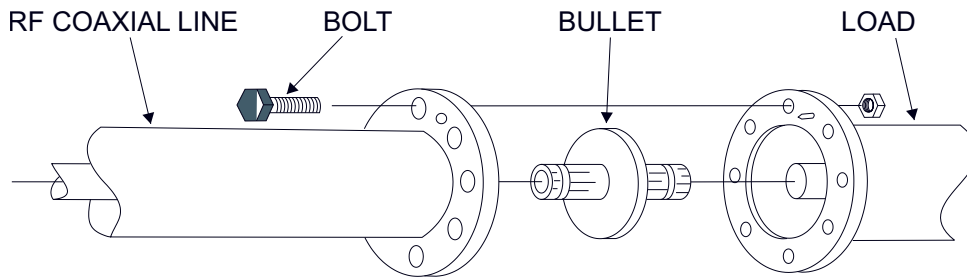
C O N N E C T I O N R F P O W E R



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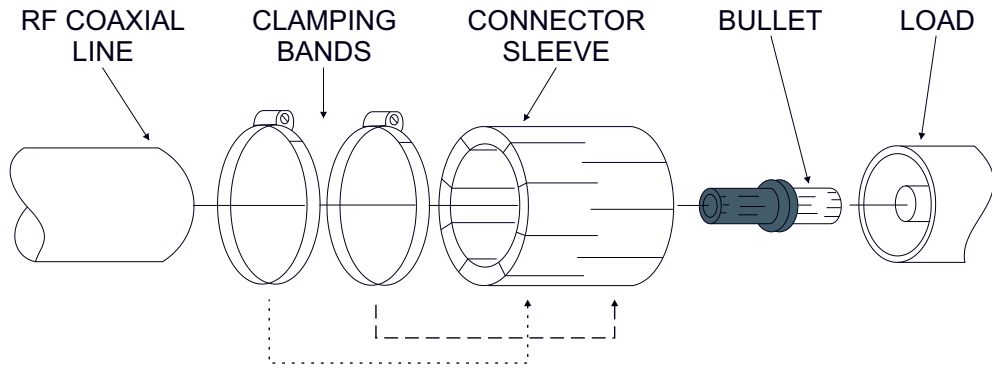
Figure 3 Swivel Flanged Coupling



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..... The swivel flange on the load makes connection independent of the orientation of the fixed flange on the coaxial input outer conductor.

Figure 4 *Unflanged Coupling*



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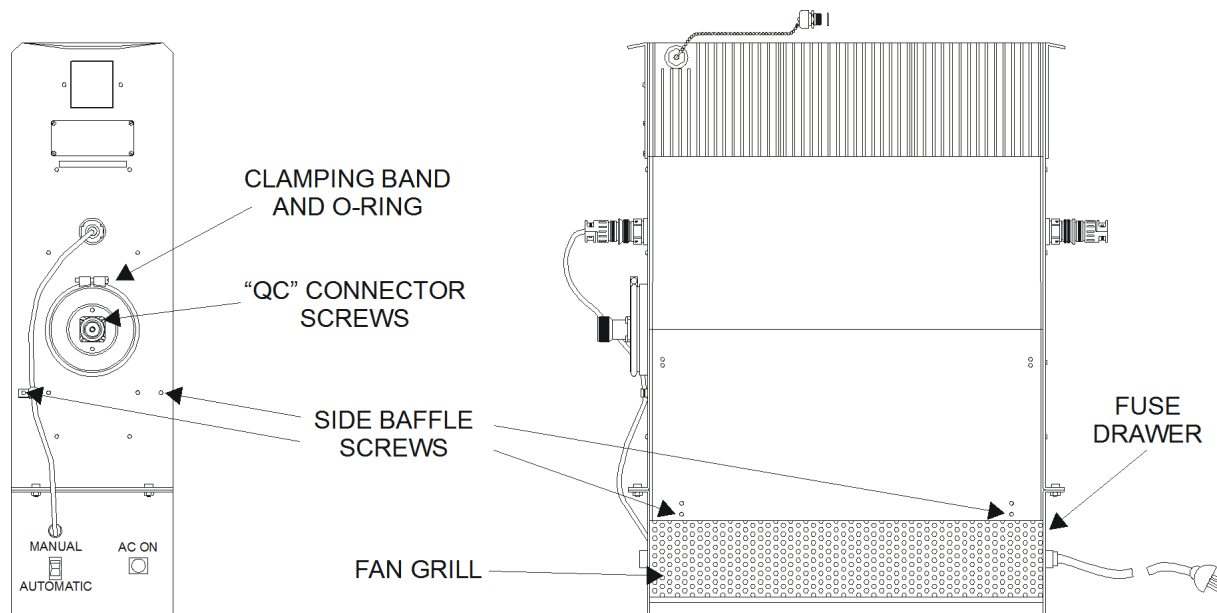
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..... shows the location of components which may be referred to in this section.

Figure 5 Maintenance and Repair Locations



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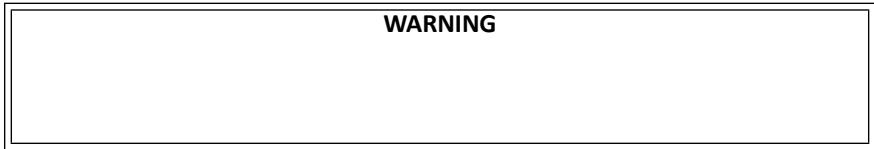
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..... These tests are by no means a necessity to the operation of the but merely guidelines for the users information.

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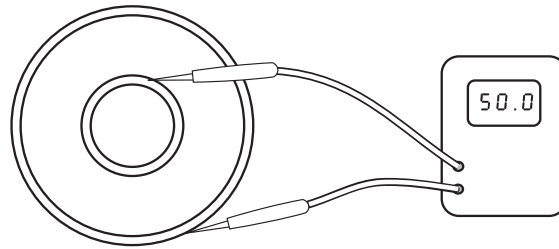
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..... It is recommended that this resistance check be performed each time the load is to be used.

before

Figure 6 Measuring DC Resistance



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- ★ Remove the load resistor (Refer to “Load Resistor” on page 18).

- ★ The coolant should be clear, with a faint yellow tinge, and have a slightly sweet smell. If it is black with a burnt or acrid smell, drain it and add about 6.7 gal (25.4 L) of coolant.
- ★ With the load still on end, the coolant level should be 4¾ to 5 inches (125 mm) below the top of the resistor assembly mounting ring, at ambient temperature. Add coolant if necessary.

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..... _____ shows the location of components which may be referred to in this section.

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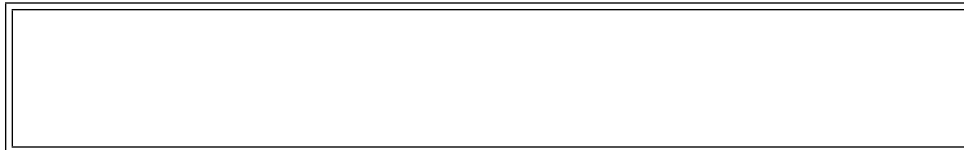
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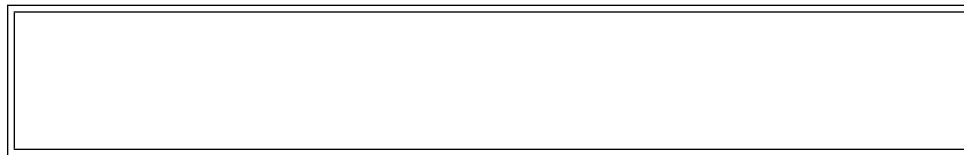
..... If not using the LC connector normally supplied, frequency and power must be limited to the capabilities of the connector.

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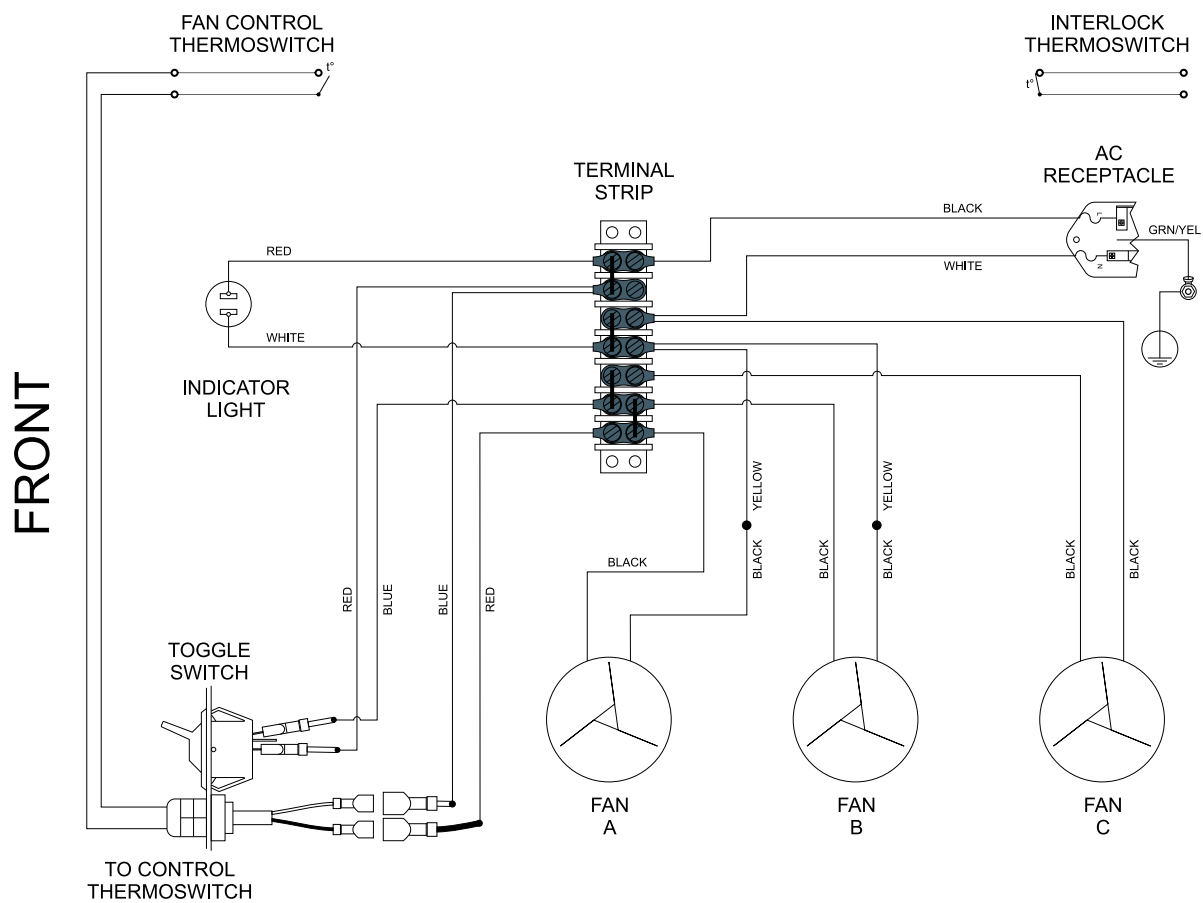


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Figure 7 Wiring Diagram



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..... Different fans are used in the 115V and 230V loads. Also, the fan style depends on its position in the blower; A is in front, B is in the middle, and C is at the rear, nearest the terminal block.



..... It may be necessary to loosen the harness clamps on the other fans to release the required wires.

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bsc@birdrf.com

<http://www.birdrf.com>

A V I I X B I X - G C - T Y P E C H A R A C T E R I S T I C S

BNC-Female	4240-125
BNC-Male	4240-132
C-Female	4240-100
C-Male	4240-110
HN-Female	4240-268
HN-Male	4240-278
LC-Female	4240-031
LC-Male	4240-025
Open Term. # 10-32 Nut	4240-080
LT-Female	4240-018
LT-Male	4240-012
N-Female	4240-062
N-Male	4240-063
SC-Female	4240-090
SMA-Female	4240-336
SMA-Male	4240-334
7/16 Jack, IEC Type 169-4	4240-344
7/16 Plug, IEC Type 169-4	4240-363
Mini UHF-Female	4240-346
UHF-Female	4240-050
UHF-Male	4240-179
1-5/8" EIA Fixed	4240-096
1-5/8" EIA Swivel	4240-208
7/8" EIA	4240-002
TNC-Female	4240-156
TNC-Male	4240-160

LIMITED WARRANTY