

OPERATING INSTRUCTIONS  
M C MODEL 135-20 and 135-40 TRANSISTOR POWER CONVERTERS

Both the model 135-20 and model 135-40 power converters were designed for the R/C trade and one or the other will meet the transmitter power requirements of all R/C fans.

These converters operate from either 5 volts (4 nickel cadmium cells) or 6 volts for use with your  $1\frac{1}{2}$  volt dry cells or three 2 volt lead-acid cells. It is to be noted here that the combination voltages design incorporated in this unit protects the customer's investment, making it possible for him to start with dry batteries and later use nickel cadmium batteries. All converters are shipped with the jumper in the 6 volt position. When lantern batteries (Eveready 744 or Burgess F4BP) are used, we recommend that two such batteries be used in parallel for better battery life.

Use the model 135-20 for carrier and single channel tone transmitters. The output is 135 volts DC at 20 ma. The model 135-40 is for multi-channel tone transmitters, the output 135 volts DC at 40 ma.

The printed circuit chassis is coded with color to designate the proper points to wire up the converter. BE CAREFUL AND DO NOT REVERSE THE INPUT, AS IT MAY DAMAGE THE TRANSISTOR. Also treat the output with respect, for 135 volts can be painful.

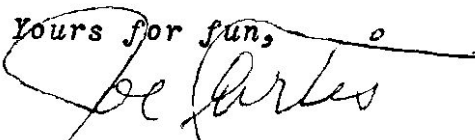
YELLOW: 5 or 6 volts plus +. RED: 135 volts plus +.  
BROWN: 5 or 6 volts minus -. BLACK: 135 volts minus -.

PLEASE NOTE: WE DO NOT RECOMMEND THE LEAD ACID OR OPEN (NOT SEALED) NICKEL CADMIUM BATTERIES BE PLACED IN THE TRANSMITTER. THE FUMES HAVE A VERY CORROSIVE AND DETRIMENTAL EFFECT ON THE METAL PARTS IN YOUR TRANSMITTER.

WARRANTY: The M C model 135 converter is guaranteed for 90 days from date of purchase and if for any reason the transistor converter fails to operate satisfactory within this period and is returned with the dated sales ticket to M C Mfg. Co., 220 W. 80th Terrace, Kansas City 14, Missouri, it will be repaired free of charge - providing the unit has not been abused or tampered with. Enclose 25¢ for packing and shipping charges. Pack well, for we are not responsible for equipment damaged in shipment.

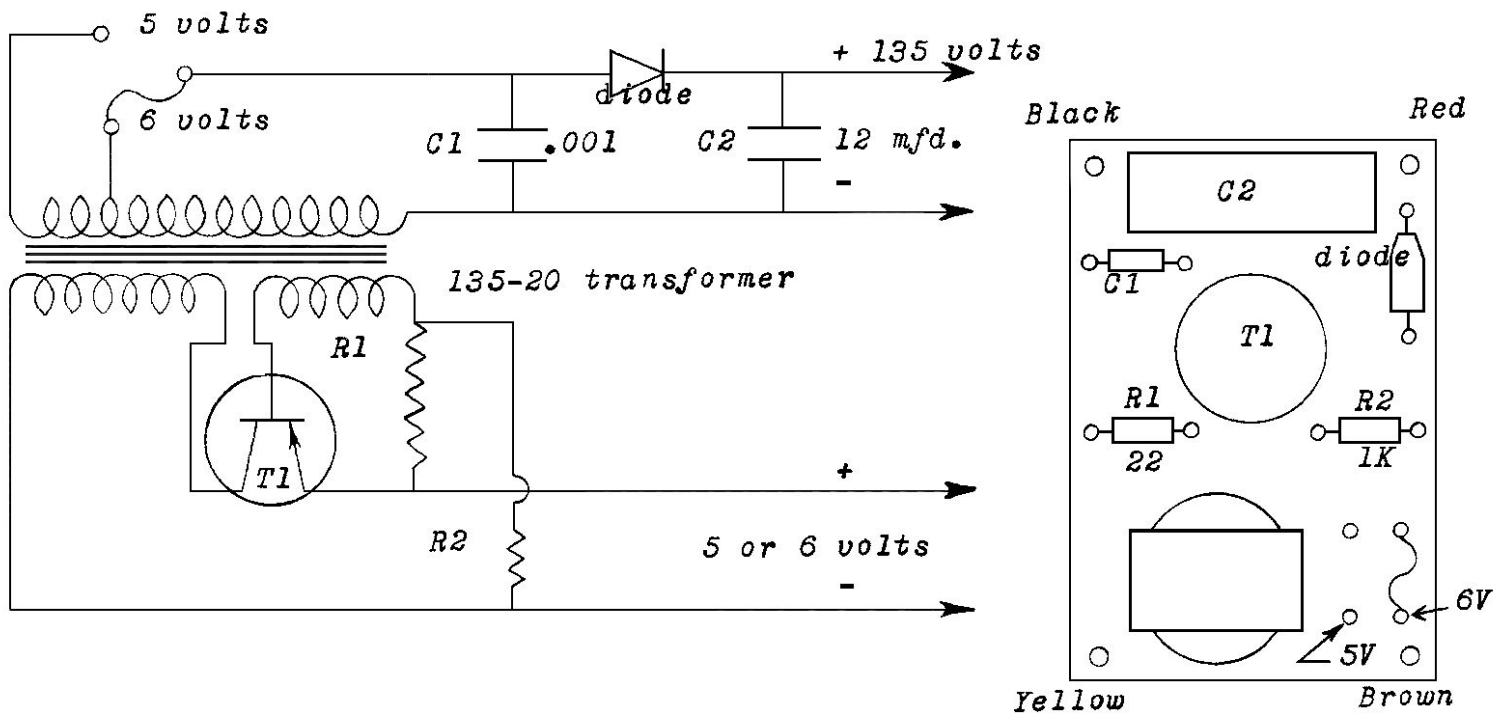
REPAIR SERVICE: The M C Mfg. Company has an established repair service for all MC equipment. We will repair or replace whatever parts necessary for proper operation of your MC equipment at a minimum rate of \$1.00 with the unit to be repaired. If for some reason such as large damage from crash or dunking, you will be advised of estimate repair cost before repairs are made.

Yours for fun,

  
M C MANUFACTURING CO.

(wiring lay-out and schematic other side)

# SCHEMATIC M C MODEL 135-20 POWER CONVERTER



# SCHEMATIC M C MODEL 135-40 POWER CONVERTER

