CONGRATULATIONS:

FOR MODELS 770 (N Control)
FOR MODELS 770 (HO Control)

OPERATING INSTRUCTIONS

DUALPACK

USE TO PREVENT ELECTRIC SHOCK
PRECAUTIONS SHOULD BE OBSERVED DURING HANDLING AND USE WITH ALL ELECTRIC PRODUCTS.
NOT RECOMMENDED FOR CHILDREN UNDER 8 YEARS OF AGE.

OPERATED PRODUCT.

CAUTION - ELECTRICALLY OPERATED

TOTAL 8VA
12VDC INPUT
CONTROL #1 TOTAL 8VA
12VDC INPUT
CONTROL #2

TOTAL 8VA
12VDC IZVAC IZVAC
CONTROL #1

INPUT:
120V AC 60HZ

Removal of the packing cardboard from the outside carton will give you the minimum of care for these new electric model railroad equipment. You have made a wise investment in a fine model railroad engine. Always read instruction booklet thoroughly before operating.

A thrilling new experience awaits you when you look forward to serving you again in the future.

As with any electrically operated model railroad equipment, you are in charge of a powerful source of power. Combined to feed the power supply, you are responsible for the proper operation, pin-point control, and ample re-performance. Therefore, you must handle your model in the same manner as you would your own electrical appliances.

Before returning your unit for repair or service:

1. Do not store in a damp area.
2. Never connect locomotive to A.C. Terminals.
3. Turn master switch off at end of day’s operation.
4. When a short circuit occurs, check short circuit before turning unit back on.
5. Avoid prolonged overload, and short circuits.
6. Do not store on the track or wheels.
7. For best performance keep track and wheel sur-
8. Do not shut down make certain it is defective. Do not shut down
9. If it is necessary to return your unit, replace in

Please note:

Mail the unit to M.R.C. Include post in
place of packing material on each

PARTS PLEASE NOTE:

this model railroad engine. It has no any poten-
best to periodically examine it and have any poten-
ally hazardous part replaced or replaced.

is always

with a letter explaining the trouble.

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place of packing material on each

Your layout unnecessarily.

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FOR YOUR PROTECTION:
circuit breaker to cool.

If the OVERLOAD indicator light still glows you have either failed to correct the overload or you have not allowed sufficient time for the circuit breaker to cool and overload to clear.

5. Turn speed controls to STOP and place master switch in the OFF position.

6. Place line cord into 120 Volt AC 60 Hz house outlet and turn master switch to the ON position.

7. Turn speed controls clockwise until locomotives move.

8. If a short circuit or overload should occur on your layout, turn master switch to the OFF position.

**TERMINALS**

**1. CONNECT CAR #1 TERMINALS TO ONE ELECTRICALLY ISOLATED TRACK SECTION**

**2. CONNECT ACCESSORIES A.C. TERMINALS TO LIGHTS SWITCH**

**3. CONNECT CAB #1 TERMINALS WHEN CONNECTED TO AN EXTERNAL MACHINE CONTROL UNIT**

**4. CHECK YOUR LAYOUT TO MAKE CERTAIN THERE ARE NO OPEN CIRCUITS OF TRACK**

**5. TURN SPEED CONTROLS TO STOP AND PLACE MASTER SWITCH IN THE OFF POSITION**

**6. PLACE LINE CORD INTO 120 VOLT AC 60 HZ HOUSE OUTLET AND TURN MASTER SWITCH TO THE ON POSITION**

**7. TURN SPEED CONTROLS CLOCKWISE TO Locomotives MOVE**

**8. IF SHORT CIRCUIT OR OVERLOAD SHOULD OCCUR ON YOUR LAYOUT, TURN MASTER SWITCH TO THE OFF POSITION**

**ACCESSORIES: A.C. TERMINALS**

**FOR OPERATION OF A.C. ACCESSORIES, SWITCH MACHINE:**

**TERMINALS**

**1. CONNECT CAR #1 AND CAB CONTROL #2 TERMINALS**

**2. TURN SPEED CONTROLS TO STOP AND PLACE MASTER SWITCH IN THE OFF POSITION**

**3. CONNECT CAB #1 TERMINALS WHEN CONNECTED TO AN EXTERNAL MACHINE CONTROL UNIT**

**4. CHECK YOUR LAYOUT TO MAKE CERTAIN THERE ARE NO OPEN CIRCUITS OF TRACK**

**5. TURN SPEED CONTROLS TO STOP AND PLACE MASTER SWITCH IN THE OFF POSITION**

**6. PLACE LINE CORD INTO 120 VOLT AC 60 HZ HOUSE OUTLET AND TURN MASTER SWITCH TO THE ON POSITION**

**7. TURN SPEED CONTROLS CLOCKWISE TO LOCOMOTIVES MOVE**

**8. IF SHORT CIRCUIT OR OVERLOAD SHOULD OCCUR ON YOUR LAYOUT, TURN MASTER SWITCH TO THE OFF POSITION**

**TERMAL CIRCUIT BREAKERS AND PERMIT FILE 20 POWER TO THE LAYOUT.**

**MASTER ON-OFF SWITCH**

Turn and keep in the OFF-Acceleration Direction Switch.

**FOR QUICK, EASY LOCOMOTIVE STARTING, SIMPLY STOP THE ENGINE AT STARTING AND SMOOTH, EASY ACCELERATION.**

**THE DUALPACK PROVIDE MORE PERFORMANCE THAN THE DUALPACK.**

**CONTROLS**

**TOTAL OUTPUT 84A**

**CONNECT TO 12 VOLT D.C., VARIABLE**

**CONNECT TO 12 VOLT D.C., FIXED FOR EXPANSION**

**COMPACT DUALPACK 84A**

**CONNECT TO 12 VOLT D.C., FOR ACCESSORIES**

**DUALPACK**

12 Volt A.C., 60 Hertz