

**MODEL: T7801B**

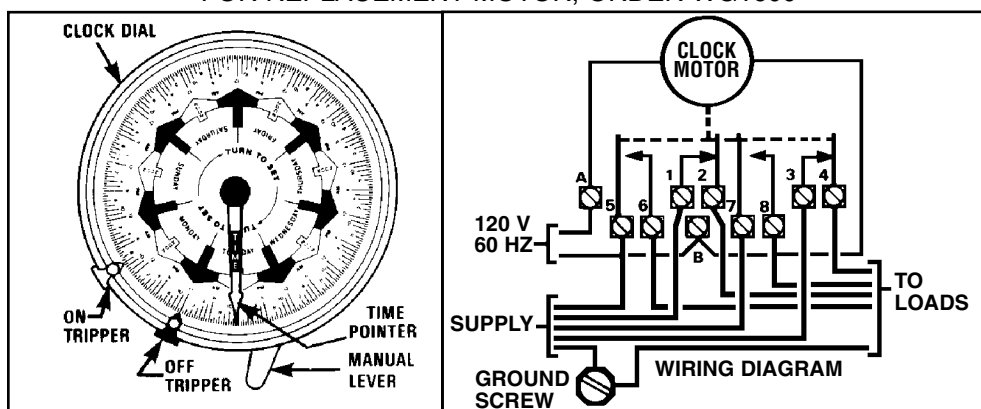
LR3730

**SEVEN-DAY DIAL TIME SWITCH**  
**4 POLE; Two Normally Open - Two Normally Closed**  
 MINIMUM "ON" TIME 3-1/2 HR. UP TO 3-1/2 DAILY ON-OFF OPERATIONS

**CONTACT RATINGS:**

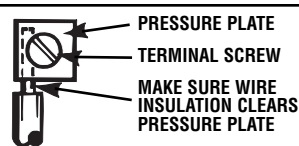
**40 AMP. RESISTIVE EACH POLE 120V-480V AC.**  
**40 AMP. INDUCTIVE, TUNGSTEN EACH POLE 120V, 208V, 240V, OR 277V AC. 1000 VA PILOT DUTY EACH POLE 120V - 277V AC.**  
**24 FLA, 144 LRA (2 HP) - 120V AC.; 28 FLA, 168 LRA (5 HP) - 240V AC.**

**CLOCK MOTOR: 125 VOLTS - 60 HZ.**  
 FOR REPLACEMENT MOTOR, ORDER WG1600

**WIRING INSTRUCTIONS**

This Time Switch can be wired to control one to four circuits simultaneously on a seven day schedule. Clock motor voltage may be other than load voltage, but must be as specified. For terminal markings, internal wiring and contact arrangements refer to wiring diagram above. To form the common poles of a DOUBLE POLE DOUBLE THROW switch, if required, install jumpers (extend supply wires) between terminals 1-6 and 3-8. Use solid or stranded **COPPER only** wire with insulation to suit installation. See table for gauge selection. To make power connections remove 1/2 inch of insulation from wire ends. Insert bare ends of wire under the pressure plate of terminals. Use 3/16 or larger screw driver to tighten terminal screws firmly. **REPLACE FRONT INSULATOR BEFORE TURNING ON ELECTRICITY.**

MINIMUM COPPER WIRE SIZE (AWG)	MAX. LOAD (AMP)	MIN. INSULATION TEMP (°C)	75°C INSULATION MAX. MOTOR LOAD (HP)			
			SINGLE PHASE		3 PHASE	
			120 V.	240 V.	208 V.	240 V.
14	15	60	1/2	2		
12	20	60	1	2 1/2	N/A	N/A
10	30	60	2	3		
8	40	75	-	5		

**PROGRAMMING INSTRUCTIONS**

- TO SET "ON" TIMES**, place bright **ON** trippers against edge of **CLOCK-DIAL** at day-of-week and time-of-day when "ON" operations are desired. Tighten tripper screws securely.
- TO SET "OFF" TIMES**, place dark **OFF** trippers against edge of **CLOCK-DIAL** at times when "OFF" operations are desired. Tighten tripper screws securely.
- TO SKIP DAYS**, omit trippers for the day(s) automatic operations is/are not required.
- TO SET DIAL TO TIME-OF-DAY**, turn dial **CLOCKWISE** and align the exact day-of-week and time-of-day (AM or PM) on dial with the **TIME POINTER**. Some allowance may be required to compensate for gear backlash.

**CAUTION: DO NOT MOVE POINTER OR FORCE DIAL COUNTERCLOCKWISE.**

**OPERATING INSTRUCTIONS**

- TO OPERATE SWITCH MANUALLY:** Move **MANUAL LEVER** below **CLOCK-DIAL** left or right as indicated by arrows. This will not affect next automatic operation.
- IN CASE OF POWER FAILURE OR TO ADVANCE/RETARD TIME:** Reset time-of-day, see step 4 of programming instructions.

**DISCONNECT ELECTRICITY BEFORE ANY BEHIND-THE-INSULATOR WORK.**

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