

<http://waterheatertimer.org/Intermatic-timers-and-manuals.html#T1800>

MODEL: T1871BR

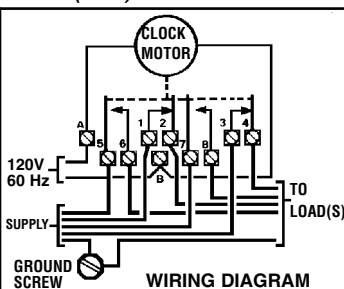
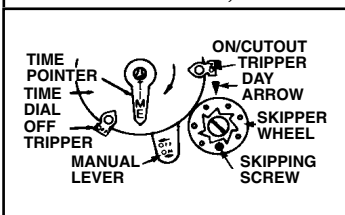


24 HOUR DIAL TIME SWITCH MECHANISM WITH "SKIPPER®"
2 NORMALLY OPEN - 2 NORMALLY CLOSED SET OF CONTACTS
 (MAY BE WIRED AS DOUBLE POLE DOUBLE THROW)

40 AMP. RESISTIVE, EACH POLE 120-480V. AC;
40 AMP. INDUCTIVE TUNGSTEN OR 1000 V.A. PILOT DUTY EACH POLE
120-277 V. AC; 2 H.P. (24 FLA) - 120 V. AC; 5 H.P. (28 FLA) - 240 V. AC

INDEPENDENTLY WIRED CLOCK MOTOR: 110-125V. 60 Hz.

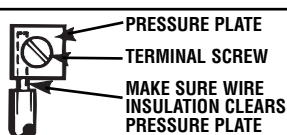
CLOCK MOTOR VOLTAGE AND CYCLE MUST BE AS SPECIFIED. TO ORDER REPLACEMENT, INDICATE PART NO. (WG--) ON MOTOR COVER.



WIRING INSTRUCTIONS: To wire switch follow diagram above. If **DOUBLE POLE** switch action is required,

install jumpers (extend supply wires) between terminals 1-6 and 3-8. Use solid or stranded COPPER wire insulation to suit installation. See gauge selection table for normal service applications. To make power connections see illustration below. Replace front insulator before turning on electricity. Motor voltage and cycle (Hz.) must be as specified.

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	3	3
12	20	60	1	2 1/2	4	5
10	30	60	2	3	5	7 1/2
8	40	75	-	5	7 1/2	10



PROGRAMMING INSTRUCTIONS

- **TO SET "ON" AND "OFF" TIMES:** Hold trippers against edge of **CLOCK-DIAL**, pointing to time (AM or PM) when **ON** and **OFF** operations are desired, tighten tripper screws firmly. See caution below. For additional tripper pairs on **CLOCK-DIAL** order 156T1978A.
- **TO SET TIME-OF-DAY:** Pull **CLOCK-DIAL** outward. Turn in either direction and align the exact time-of-day on the **CLOCK-DIAL** (the time now, when switch is being put into operation) **TO TIME POINTER. DO NOT MOVE THE POINTER.**
- **TO SKIP OPERATION(S) ON SELECTED DAY(S):** Insert **SKIPPING SCREW(S)** in **SKIPPER WHEEL** for day(s) automatic operation(s) is/are NOT required. Tighten screws firmly. Move **MANUAL LEVER** to "OFF" and rotate **SKIPPER WHEEL** to locate correct day-of-week opposite **DAY ARROW--"YESTERDAY"** if **ON/CUTOUT TRIPPER** has not yet advanced wheel "TODAY" if it has.

OPERATING INSTRUCTIONS

- **TO OPERATE SWITCH MANUALLY:** Move **MANUAL LEVER** below **CLOCK-DIAL** left or right as indicated by arrows. This will not effect next operation.
- **CAUTION: TO AVOID SLOW TRIPPER ACTION FAILURE, DO NOT OPERATE SWITCH MANUALLY NOR PLACE A TRIPPER 4 HOURS PRIOR TO ON/OFF CUTOFF TRIPPER SWITCHING.**
IN CASE OF POWER FAILURE, reset CLOCK-DIAL to proper time-of-day. See programming instructions.

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158TS10933