

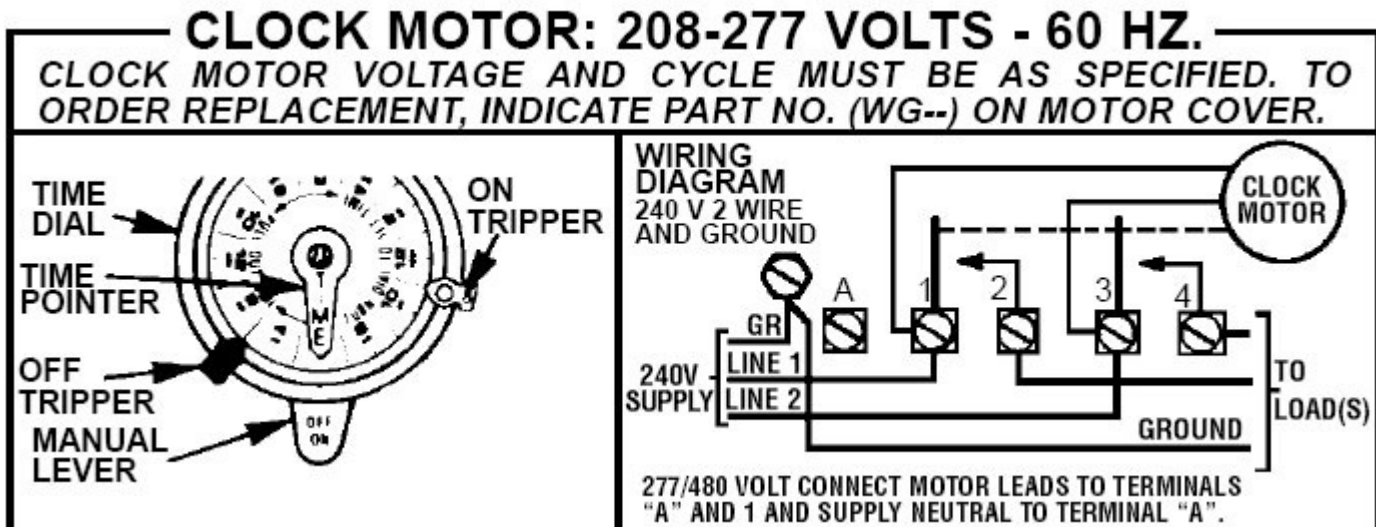
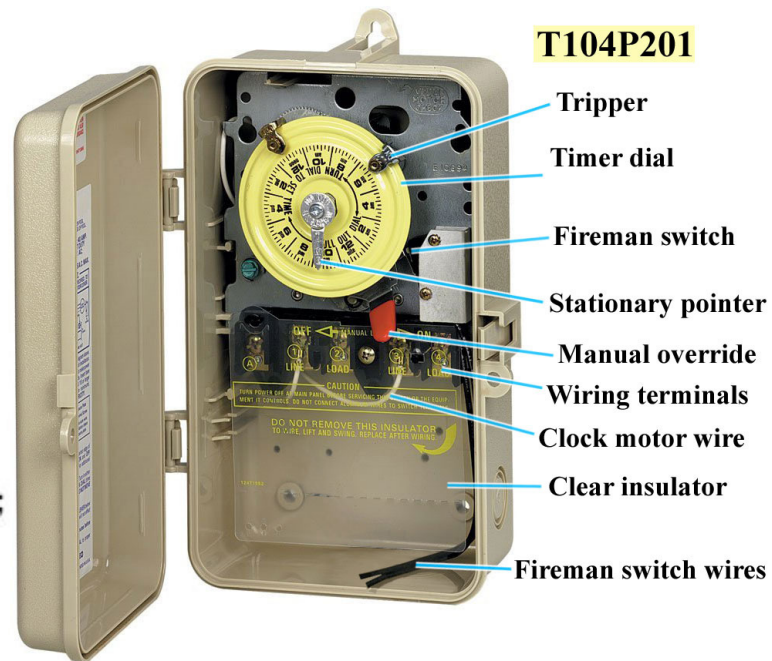
Model T104P201 with Plastic enclosure
 Model T104R201 with Metal enclosure
 24 Hour Dial Time switch with Fireman switch

240Volt timer with heater protection that turns off gas-fired pool heater 15-20 minutes before turning off filter pump. This eliminates knocking due to overheated water, reduces scale and lime, and extends service life of heater

**DOUBLE POLE SINGLE THROW (DPST)
 40 AMP. RESISTIVE EACH POLE 120-480 VOLT AC;
 40 AMP.INDUCTIVE OR TUNGSTEN OR 1000 VA
 PILOT DUTY EACH POLE 120V-277V AC;
 2 HP (24 FLA)-120V AC; 5 HP (28 FLA)-240V AC.**

Heater protection circuit: 10A 240V max.

WG1573 clock motor/ 156T1978A Tripper / 9-3/8" H x 5-1/2" W x 3-5/8" D/ 1/2" and 3/4" KO on back and side



PROGRAMMING INSTRUCTIONS

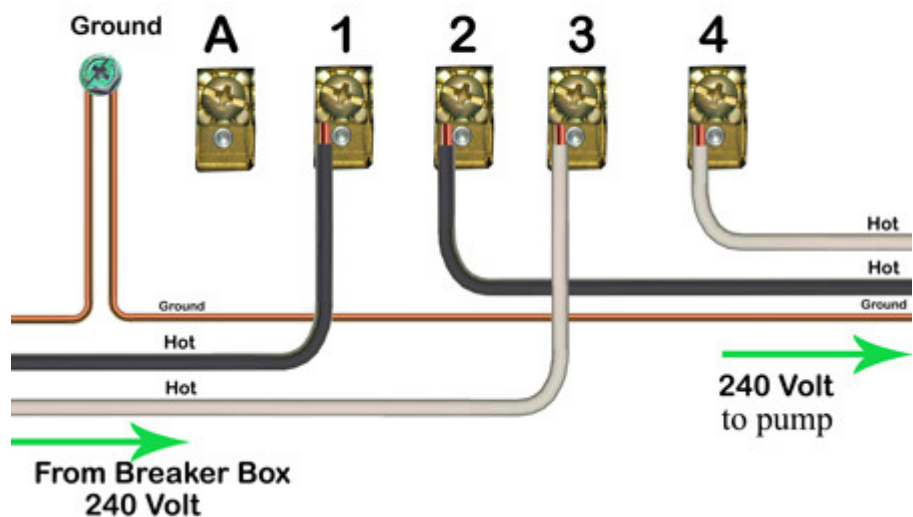
- 1. TO SET "ON" AND "OFF" TIMES:** Hold trippers against edge of **CLOCK-DIAL**, pointing to time (AM or PM) when **ON** and **OFF** operations are desired, tighten tripper screws firmly. For additional tripper pairs on **CLOCK-DIAL** order 156T1978A.
- 2. TO SET TIME-OF-DAY:** Pull **CLOCK-DIAL** outward. 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 the pointer. **DO NOT MOVE POINTER.**

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.
- IN CASE OF POWER FAILURE,** reset **CLOCK-DIAL** to proper time-of-day. See programming instructions.

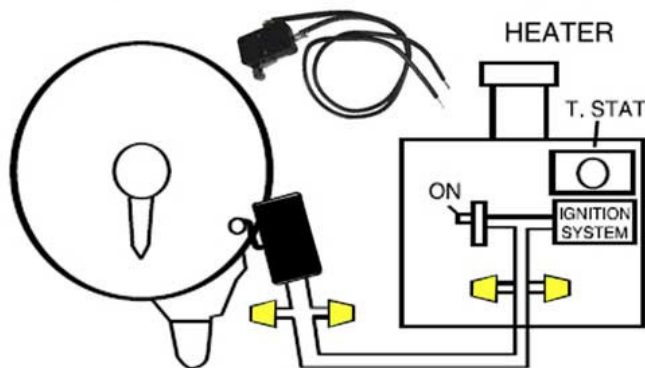
WIRING INSTRUCTIONS: To wire switch follow diagram above. Use solid or stranded COPPER **only** wire with insulation to suit installation. See gauge selection table for normal service applications. To make power connections remove 1/2 inch of insulation from wire ends. Insert bare ends of wire under the pressure plate of terminals. Use 3/16 or larger screwdriver to tighten terminal screws firmly. (25 lb-in minimum).

Typical T104P201 and T104R201 wiring



Typical wiring for timer


Fireman switch installation



WARNING: Do not disconnect high limit or pressure switches

REPLACE 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			
10	30	60	2			
8	40	75	-			



PRESSURE PLATE

TERMINAL SCREW

MAKE SURE WIRE INSULATION CLEARS PRESSURE PLATE

INTERMATIC INCORPORATED
 SPRING GROVE, ILLINOIS 60081-9698

<http://waterheatertimer.org/How-to-wire-T104-Intermatic-timer.html>

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