

Model T104P201 with Plastic enclosure

Model T104R201 with Metal enclosure

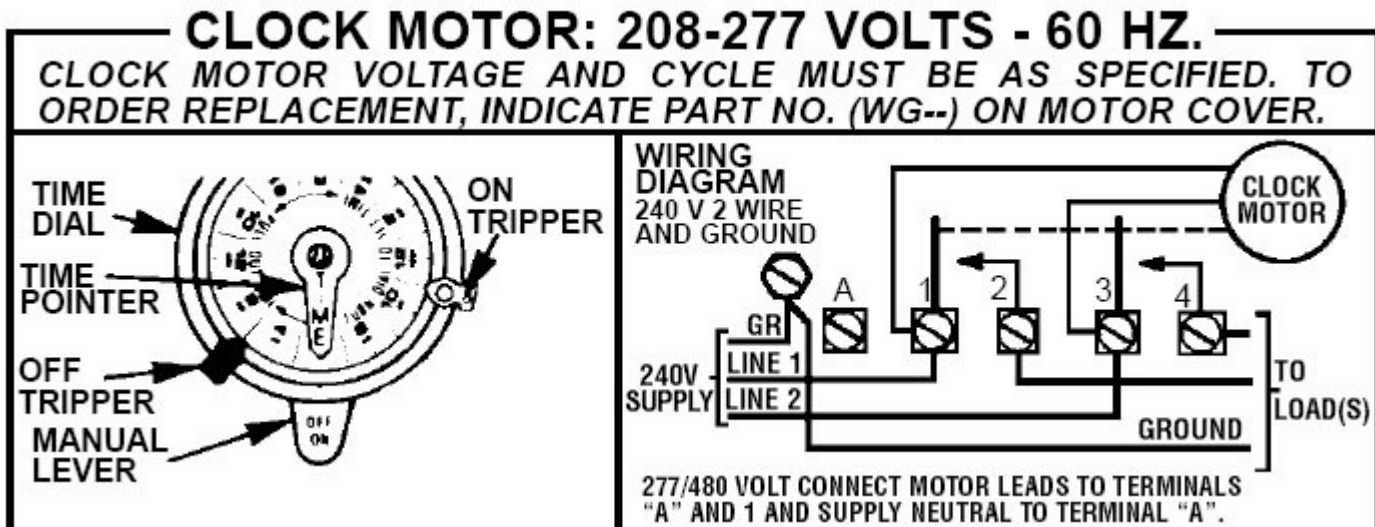
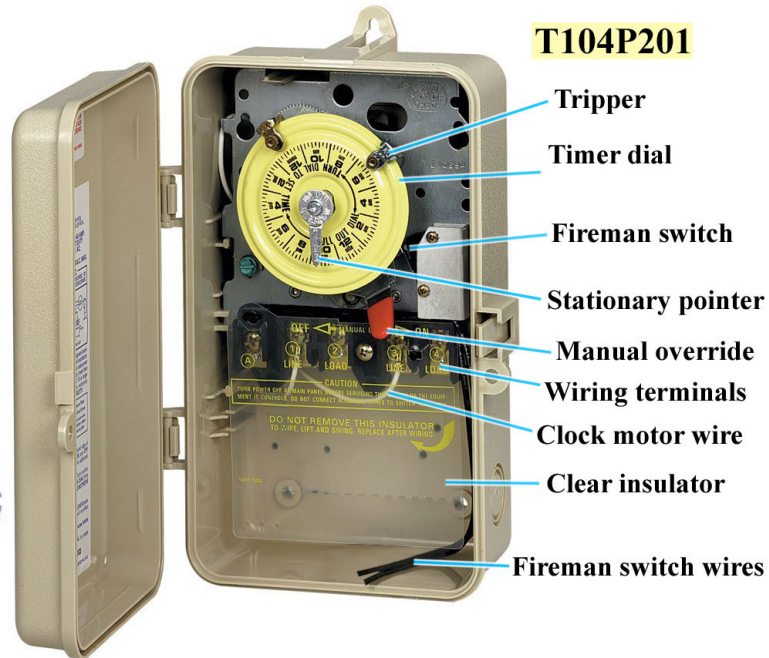
24 Hour Dial Time switch with Fireman switch

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

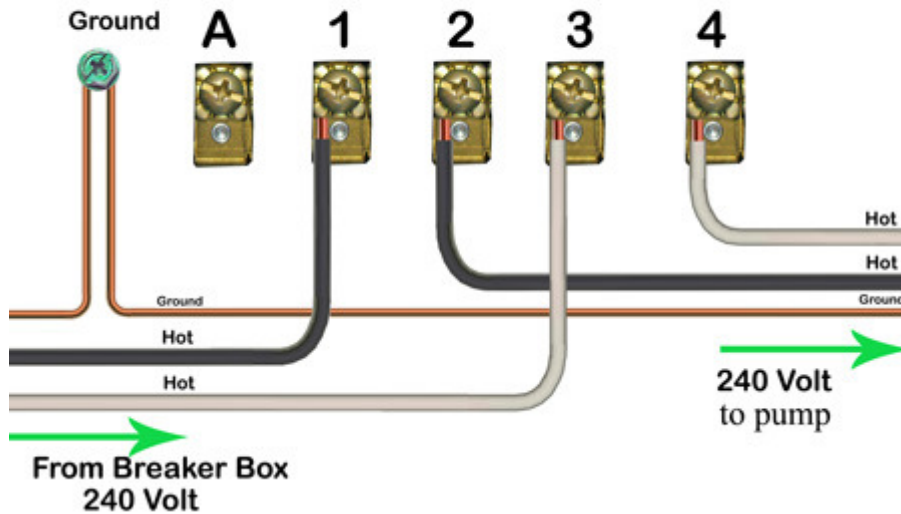
- 1. TO SET "ON" AND "OFF" TIMES:** Hold trippers against edge of **CLOCK-DIAL**, pointing to time (AM or PM) when **ON** and **OFF** operations are desired, tighten tripper screws firmly. For additional tripper pairs on **CLOCK-DIAL** order 156T1978A.
- 2. TO SET TIME-OF-DAY:** Pull **CLOCK-DIAL** outward. 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.

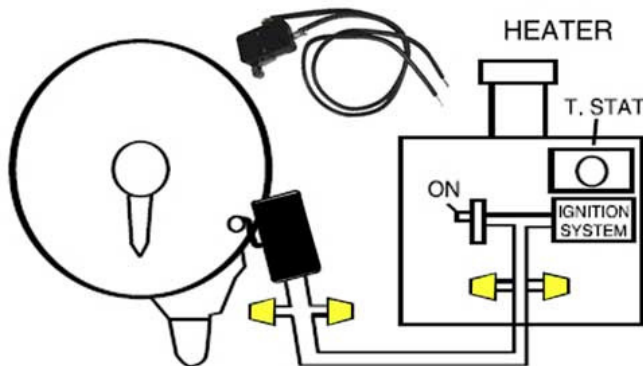
**WIRING INSTRUCTIONS:** To wire switch follow diagram above. Use solid or stranded COPPER **only** wire with insulation to suit installation. See gauge selection table for normal service applications. To make power connections remove 1/2 inch of insulation from wire ends. Insert bare ends of wire under 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