

Model T101P201 with Plastic enclosure  
 Model T101R201 with Metal enclosure  
 24 Hour Dial Time switch with Fireman switch

120Volt 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

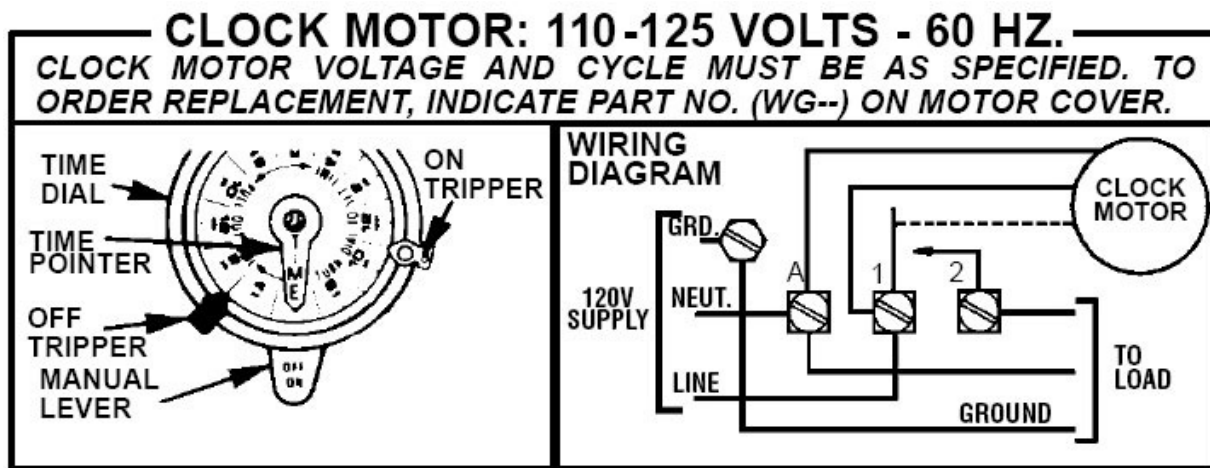
SINGLE POLE SINGLE THROW (SPST)  
 40 AMP. RESISTIVE, INDUCTIVE, TUNGSTEN  
 OR 1000 VA PILOT DUTY 120/208/240 VOLT AC;  
 2 HP (24 FLA) - 120V AC; 5 HP (28 FLA) - 240V AC



Intermatic T101R201

Heater protection circuit: 10A 240V max.

WG1570 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

- 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.
- 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.

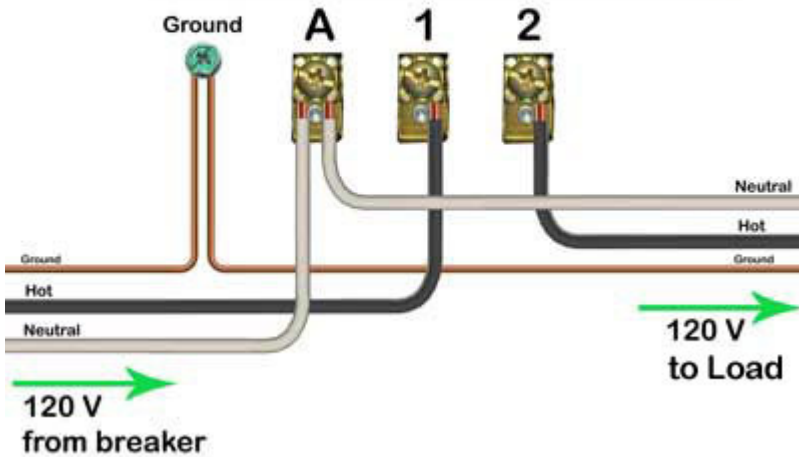
**WIRING INSTRUCTIONS:** To wire switch follow diagram above. Use solid or stranded COPPER **only** wire with insulation to suit installation. See gauge selection table for normal service applications. To make power connections remove 1/2 inch of insulation from wire ends. Insert bare ends of wire under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

**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	N/A	N/A
12	20	60	1	2 1/2	N/A	N/A
10	30	60	2	3	N/A	N/A
8	40	75	-	5	N/A	N/A

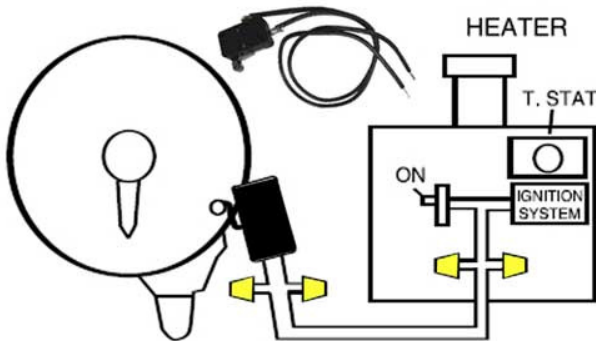


**T-101  
120 Volt water heater timer circuit**



Typical wiring for timer

**Fireman switch installation**



Connect fireman switch to heater

**WARNING:** Do not disconnect high limit or pressure switches

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<http://waterheatertimer.org/How-to-wire-T104-Intermatic-timer.html#T101>  
<http://waterheatertimer.org/Intermatic-timers-and-manuals.html#pool>