

# MODEL: T104M201

## HYDRO-KING 2 CIRCUIT TIME SWITCH MECHANISM

SUITABLE FOR SWIMMING POOL EQUIPMENT CONTROL  
INSTALL NOT LESS THAN 5 FEET OF INSIDE EDGE OF POOL

### FILTER CIRCUIT: DOUBLE POLE SINGLE THROW (DPST)

40 AMP. RESISTIVE OR INDUCTIVE EACH POLE 120-480 VOLT A.C.

40 AMP. TUNGSTEN OR 1000 VA PILOT DUTY

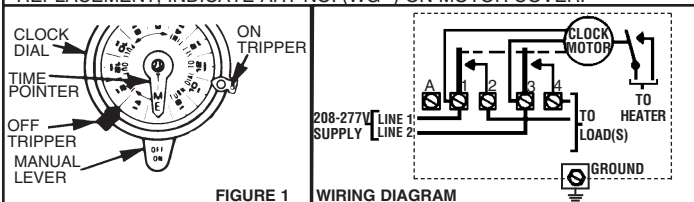
EACH POLE 120-277 VOLT A.C.

2 HP (24 FLA) 120 VAC; 5 HP (28 FLA) 240 VAC

### HEATER CONTROL CIRCUIT: 10 AMP 250 VOLT AC MAX.

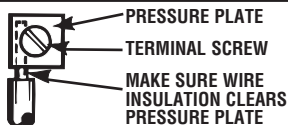
### CLOCK MOTOR: 208/277 VOLTS - 60 HZ.

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



**WIRING INSTRUCTIONS:** To wire switch follow diagram above. Use solid or stranded COPPER wire with insulation to suit installation. See gauge selection table for normal service applications. To make power connections see illustration below. Use 3/16 or larger screwdriver to tighten terminal screws firmly. REPLACE INSULATOR BEFORE TURNING ON ELECTRICITY. **NOTE: MOTOR VOLTAGE AND CYCLE (HZ.) MUST BE AS SPECIFIED ABOVE.**

MINIMUM COPPER WIRE SIZE (AWG)	MAX. LOAD (AMP)	MIN. INSUL- ATION 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

- 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.

**CAUTION:** You must turn heater off at least 15 minutes before manually turning off filter system.

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

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