

MODEL: T104R201

HYDRO-KING 2 CIRCUIT TIME SWITCH



IN TYPE 3R DUSTPROOF RAINPROOF ENCLOSURE, SUITABLE FOR POOL EQUIPMENT CONTROL IF INSTALLED 5 FT. OR MORE FROM EDGE OF POOL.

FILTER CIRCUIT DOUBLE POLE SINGLE THROW (DPST)

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

HEATER CONTROL CIRCUIT: 10 AMP 250 VOLTS A C MAX

CLOCK MOTOR: 208-277V. 60 HZ.

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

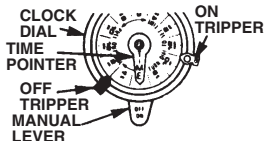
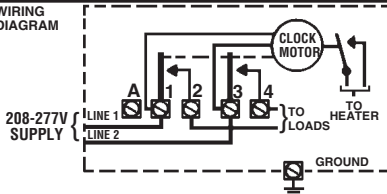


FIGURE 1

WIRING DIAGRAM



WIRING INSTRUCTIONS: To wire switch follow diagram above. Use solid or strand 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. INSUL- ATION TEMP (°C)	75° INSULATION MAX. MOTOR LOAD (HP)			
			SINGLE PHASE		3 PHASE	
			120V	240V	240V	240V
14	15	60	1/2	2	N/A	N/A
12	20	60	1	2 1/2		
10	30	60	2	3		
8	40	75		5		

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** (time now, when switch is put into operation) to **TIME 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.

INTERMATIC INCORPORATED

SPRING GROVE, ILLINOIS 60081-9698