

# MODEL: T12404R

## IN RAINPROOF (TYPE 3R) ENCLOSURE FOR INDOOR/OUTDOOR USE

### CONTROL PANEL WITH TWO TIME SWITCHES



SUITABLE FOR SWIMMING POOL/SPA APPLICATIONS AND FOR DIRECT CONNECTION OF UNDERWATER LIGHTS.

92 AMP PER LEG, 168 AMP MAX., 120/240 VOLT OR 120/208 VOLT SINGLE PHASE, (THREE WIRE) AC.

**IMPORTANT:** This Control Panel must be installed according to the National Electrical Code (including Article 680) or Canadian Electrical Code (including Section 68) and Local Electrical Codes. This installation is subject to the approval by the local inspection authority. USE COPPER CONDUCTORS ONLY. Do not exceed the maximum ratings of individual components, wiring devices, and current carrying capacity of conductors. For grounding of the installation, refer to Article 250 and 680 of the National Electrical Code. (For Canadian Installations: Section 10 and 68 of the Canadian Electrical Code). Install only APPROVED wiring device(s) inside the enclosure. An APPROVED wiring device may be installed in the rectangular side knockout provided. When panel is outdoors, an APPROVED rainproof cover must be installed over the wiring device in the side knockout. If this enclosure is used for direct connection of underwater lights, refer to 1999 NEC 680-21(b), 2002 NEC 680-24(b) or CEC 68-060, 062 and 066 for further details. This Control should not be connected to any equipment which would cause bodily injury or property damage should it be activated unexpectedly. After wiring, install front panel over wiring compartment. **KEEP DOOR CLOSED AT ALL TIMES.**

#### NOTES:

- Any Intermatic T100M or ET100CM series Time Switch, P1353ME 3 Circuit Control, PF1000M Series Freeze Protection or RC2000M Series Air Switch Mechanism may be installed in the bracket provided or in the event an existing mechanism is replaced.
- If this control panel requires bonding, attach an APPROVED bonding terminal of a suitable size using the mounting hole(s) provided on the bottom of the enclosure (156T11047A may be ordered).
- Wiring devices may be installed in this control panel (order 21T156A (4) Standoffs for mounting).

#### TIME SWITCH RATINGS:

##### DOUBLE POLE SINGLE THROW (DPST)

30 AMP, RESISTIVE, INDUCTIVE, TUNGSTEN

OR 1000 VA PILOT DUTY-120/208/240 VAC

2 HP (24 FLA)-120 VAC, 5 HP (28 FLA)-240 VAC

HEATER CONTROL CIRCUIT: 10 AMP 240 VAC

CLOCK MOTOR: 208/277 VOLTS - 60 HZ.

(TO ORDER CLOCK MOTOR REPLACEMENT, SPECIFY PART NO. WG--ON MOTOR COVER)

#### TIME SWITCH OPERATING 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.

**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**

**• TO OPERATE SWITCH MANUALLY:** Move MANUAL LEVER below CLOCK-DIAL left or right as indicated by arrows. This will not affect next operation.

**• FOR MORE THAN ONE DAILY ON-OFF**

**OPERATION:** Place additional tripper pairs on CLOCK-DIAL (order 156T1978A).

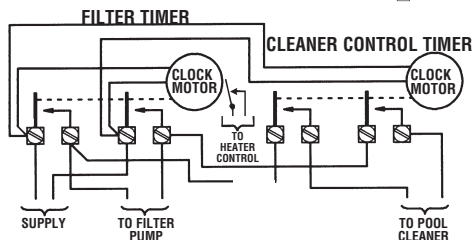
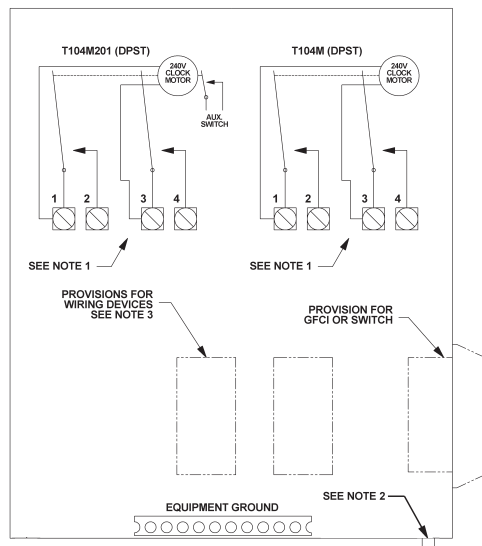
**• IN CASE OF POWER FAILURE,** reset CLOCK-DIAL to proper time-of-day. See step 2 above.

#### WIRING DIAGRAM AND INSTRUCTIONS FOR INTERCONNECTING TIME SWITCHES WHEN USED AS SWIMMING POOL EQUIPMENT CONTROL

- Disconnect the clock motor leads of the CLEANER CONTROL TIMER.
- Connect 240 volt supply and the clock motor leads of the CLEANER CONTROL TIMER to terminals #1 and #3 of the FILTER TIMER.
- Connect terminals #2 and #4 of FILTER TIMER to terminals #1 and #3 of the CLEANER CONTROL TIMER (using short jumpers).
- Connect 240 Volt cleaner pump to terminals #2 and #4 of CLEANER CONTROL TIMER.

#### WIRING INFORMATION - COPPER CONDUCTORS ONLY

WIRE SIZE 75°C MIN INSULATION	TERMINAL TORQUE	MAX MOTOR LOAD (CONTINUOUS DUTY)		GENERAL PURPOSE BRANCH CIRCUIT BREAKER RATING	GENERAL PURPOSE BRANCH CIRCUIT MAXIMUM CURRENT CAPACITY
		120V.	240V.		
AWG	LB-IN	HP	HP	AMP	AMP
14	20	1/2	1	15	12
12	20	1	2	20	16
10	20	1 1/2	3	30	24
8	25	2	5	40	32



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