

# MODEL: T4000R CLASS CTL DISTRIBUTION/CONTROL PANEL



**IN RAINPROOF (TYPE 3R) ENCLOSURE SUITABLE FOR SWIMMING POOL/ SPA APPLICATIONS AND FOR DIRECT CONNECTION OF UNDERWATER LIGHTS.**

**115 amp. (125 amp. if used as residential service equipment and not more than 6 disconnects are provided.) 120/240 volt or 120/208 volt single phase (three wire) AC**

*The short circuit rating of this panel is 10000 symmetrical amperes.*

**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 code requirements. This installation is subject to the approval by the local inspection authority. The main lugs and neutral main are suitable for No. 14 to 2 AWG **COPPER** conductors. Use No.14 to 6 AWG **COPPER** conductors for branch circuit wiring. Follow gauge selection table and corresponding terminal screw tightening torque requirements below. Install interchangeable circuit breakers with an interrupting current rating of 10000 symmetrical amperes, or higher. All circuit breakers in this control panel shall be of the same manufacturer and type. See list of suitable types below. Follow manufacturers instructions for installing and testing of ground fault circuit breakers (GFCB) and interrupters (GFCI). Install only APPROVED receptacle(s) and/or 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 NEC 680-21 (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 and close unused breaker openings with filler plates. **KEEP DOOR CLOSED AT ALL TIMES.**

SUITABLE LISTED BREAKERS						
MANUFACTURER	CIRCUIT BREAKER					FILLER PLATE
	SINGLE	DOUBLE	TWIN	QUAD	GFCB	
THOMAS & BETTS	TB	TB	TBBD	TBBQ	GFB	FP
CUTLER-HAMMER	BR	BR	BRD	BRD	GFCB	BRFP
G.E.	THQL	THQL	--	--	THQL-GF	TFH
SIEMENS/ITE	QP	QP	QT	QT	QPF	QF3
SQUARE D	HOM	HOM	HOMT	HOMT	HOM-GFI	HOMFP
MURRAY-ELLIS	MP-T	MP-T	MH-T	MH-T	MP-GT	QF3

WIRING INFORMATION - COPPER CONDUCTORS					
MINIMUM WIRE SIZE AND TEMP.	MAXIMUM CURRENT CAPACITY	CIRCUIT BREAKER RATING*	MAX. MOTOR LOAD 75° C. INSULATION		TERMINAL TIGHTENING TORQUES
			120V.	240V.	
AWG.-Deg. 75° C	AMP	AMP	HP	HP	LB-IN
14	15	20	3/4	2	20
12	20	25	1 1/2	3	20
10	30	40	2	5	20
8	50	60	--	--	25
6	65	80	--	--	35

**NOTES:**

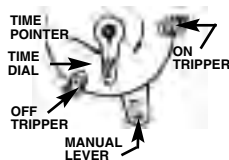
- Any Intermatic T100M or ET100CM Series Time Switch, PF1000M Series Freeze Protection or RC2000M Series Air Switch mechanisms may be installed in the bracket(s) provided or in the event an existing mechanism(s) is replaced.
- An additional round bar may be installed in this control panel (order 130T1318A).
- 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).
- When a back-fed breaker is used in this control panel, order 22T904A to comply with NEC article 384-16(g).
- Wiring devices may be installed in this control panel (order 21T156A (4) stand-offs for mounting.)

**\*Temperature rating of breaker must not be lower than the insulation rating of the conductor.**

**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.

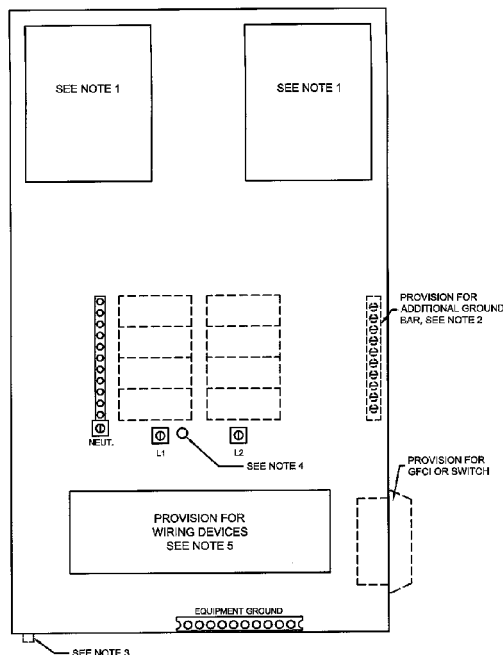


**2. TO SET TIME-OF-DAY:**

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 left or right as indicated by arrows. This will not affect the 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.



**INTERMATIC INCORPORATED**

SPRING GROVE, ILLINOIS 60081-9698