

# MODEL: T21000R

## CLASS CTL DISTRIBUTION/CONTROL PANEL WITH TIME SWITCH



LR3730  
UL508  
UL1563  
NEC680

IN RAINPROOF (TYPE 3R) ENCLOSURE  
SUITABLE FOR SWIMMING POOL/SPA APPLICATIONS AND FOR DIRECT CONNECTION OF UNDERWATER LIGHTS.  
60 AMP 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 knockouts. 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 and close unused breaker openings with filler plates. **KEEP DOOR CLOSED AT ALL TIMES.**

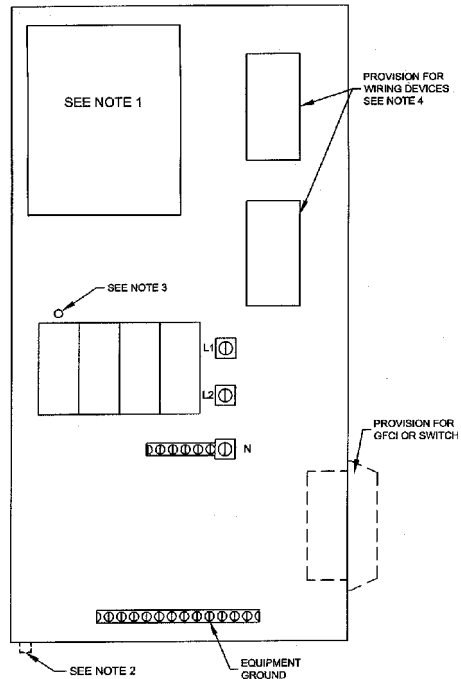
SUITABLE LISTED BREAKERS						
MANUFACTURER	CIRCUIT BREAKER					FILLER PLATE
	SINGLE	DOUBLE	TWIN	QUAD	GFCB	
CUTLER-HAMMER	BR	BR	BRD	BRD	GFCB	BRFP
MURRY	MP-T	MP-T	MH-T	MH-T	MP-GT	LX100FP
SIEMENS	QP	QP	QT	QT	QPF	QF3
SQUARE D	HOM	HOM	HOMT	HOMT	HOM	HOMFP
THOMAS & BETTS	TB	TB	TBB	TBBQ	GFB	FP-1C-TB

WIRING INFORMATION - COPPER CONDUCTORS ONLY							
WIRE SIZE 75 °C MIN INSULATION AWG	SUPPLY CIRCUIT BREAKER RATING AMP	TERMINAL TORQUE		MAX MOTOR LOAD (CONTINUOUS DUTY)		GENERAL PURPOSE BRANCH CIRCUIT BREAKER RATING AMP	GENERAL PURPOSE BRANCH CIRCUIT MAXIMUM CURRENT CAPACITY AMP
		LINE AND NEUTRAL MAIN LUGS LB-IN	NEUTRAL AND GROUND LB-IN	120V.	240V.		
		14	15	35	20		
12	20	35	20	1	2	20	16
10	30	35	20	1 1/2	3	30	24
8	50	40	25	2	5	40	32
6	60	45	35	---	---	60	44
4	60	45	35	---	---	---	---
3	60	50	---	---	---	---	---
2	60	50	---	---	---	---	---

TORQUE CIRCUIT BREAKER LUGS TO VALUES SPECIFIED ON CIRCUIT BREAKERS

**NOTES:**

1. Install any Intermatic T100M or ET100CM series Time Switch PF1000M Series freeze protection or RC2000M Series air switch mechanism in the bracket provided.
2. 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).
3. When a circuit breaker is back-fed, 22T904A breaker Hold-Down Kit must be used.
4. Wiring devices may be installed in this control panel (order 21T156A (4) Standoffs for mounting).



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