MODEL: T30000R5 CLASS CTL DISTRIBUTION /CONTROL PANEL

LR3730
UL508
UL1563
NEC680

RAINPROOF TYPE 3R ENCLOSURE FOR INDOOR/OUTDOOR USE.
SUITABLE FOR SWIMMING POOL/SPA APPLICATIONS AND FOR DIRECT CONNECTION TO A WET-NICHE OR NO-NICHE LUMINAIRE.
ALL DEVICES IN THIS CONTROL MUST BE SUPPLIED BY BRANCH CIRCUIT PROTECTORS LOCATED WITHIN THIS ENCLOSURE.

100 A
120/240 V or 120/208 V single phase (three wire) AC, 60 Hz
The short circuit rating of this panel is 10000 RMS symmetrical amperes.

⚠ WARNING *Risk of Fire or Electric Shock*

- Disconnect power at the circuit breaker(s) or disconnect switch(es) before installing or servicing.
- Installation and/or wiring must be in accordance with National Electrical Code (Article 680)/Canadian Electrical Code (Section 68) and local electrical code requirements and is subject to approval by the local inspection authority.
- Use #14 - #6 AWG COPPER conductors ONLY, rated 75° C min., for branch circuit and #14 - #2 AWG for main lugs and neutral main.
- For outdoor locations or wet locations (rain-tight), conduit hubs that comply with requirements of the UL514B (standard for fittings for conduit and outlet boxes) are to be used.
- Install only LISTED receptacle(s) and/or wiring device(s) inside the enclosure.
- The control panel is to be a minimum of 3m (in Canada) or 5ft (in USA) from the inside wall of the pool, spa, or pond, unless separated from the body of water by a fence, wall or other permanent barrier that will make the unit inaccessible to persons in the water.
- If this enclosure is used for direct conduit connection to a wet-niche or no-niche luminaire, one of the connection kits listed below in NOTE 6 must be used.
- When panel is outdoors, a LISTED rainproof cover must be installed over the wiring device in the side knockout.
- This control should not be connected to any equipment which would cause bodily injury or property damage should it be activated unexpectedly.
- Follow circuit breaker manufacturer's installation instructions.
- Do not connect two or more power supplies in parallel.
- Replace front panel covering terminals before powering ON.
- KEEP DOOR CLOSED AT ALL TIMES when not servicing.

⚠ AVERTISSEMENT *Risque d'incendie ou d'électrocution*

- L'installation et le câblage doivent être réalisés conformément au Code national de l'électricité (article 680)/Code canadien de l'électricité (section 68) et aux exigences des normes électriques régionales et sont soumis à l'approbation de l'organisme de contrôle local.
- Utiliser UNIQUEMENT des conducteurs en CUIVRE de 14 à 6 AWG, évalués à 75 °C min, pour le circuit de dérivation et de 14 à 2 AWG pour les cosses principales et le fil neutre.
- Pour les emplacements extérieurs ou les endroits humides (étanches à la pluie), utiliser des entrées de conduits conformes aux exigences de la norme UL514B pour les pièces de fixation pour conduits et boîtes de sortie.
- Le panneau de commande doit se trouver à au moins 3 m (au Canada) ou 5 pi (aux États-Unis) de la paroi interne de la piscine, du spa ou de l'étang, à moins qu'il ne soit séparé du plan d'eau par une clôture, un mur ou toute autre barrière permanente rendant l'unité inaccessible aux personnes se trouvant dans l'eau.
- Si ce boîtier est utilisé pour le raccordement direct d'un conduit à un luminaire avec niche immergée ou sans niche, l'une des trousses de raccordement indiquées ci-dessous à la REMARQUE 6 doit être utilisée.

SUITABLE LISTED BREAKERS

MANUFACTURER	CIRCUIT BREAKER SINGLE	DOUBLE	TWIN	QUAD	GFCB	FILLER PLATE
CUTLER-HAMMER	BR	BR	BRD	BRD	GFCB	BRFP
MURRAY	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
GE (up to 40 A)	THQL	THQL	--	--	THQL-GF, GF1	THFILLER

WIRING INFORMATION - COPPER CONDUCTORS ONLY

WIRE SIZE 75°C MIN INSULATION	SUPPLY CIRCUIT BREAKER RATING	TERMINAL TORQUE[a] LINE AND NEUTRAL MAIN LUGS	TERMINAL TORQUE[a] NEUTRAL AND GROUND	MAX MOTOR LOAD (CONTINUOUS DUTY) 120 V	MAX MOTOR LOAD (CONTINUOUS DUTY) 240 V	GENERAL PURPOSE BRANCH CIRCUIT BREAKER RATING	GENERAL PURPOSE BRANCH CIRCUIT MAX CURRENT CAPACITY
AWG	AMP	LB-IN	LB-IN	HP	HP	AMP	AMP
14	15	35	20	1/2	1	15	12
12	20	35	20	1	2	20	16
10	30	35	20	1 1/2	3	30	24
8	50[b]	40	25	2	5	40	32
6	65	45	35	---	---	60	44
4	85	45	35	---	---	---	---
3	100	50	---	---	---	---	---
2	100	50	---	---	---	---	---

[a]TORQUE CIRCUIT BREAKER LUGS TO VALUES SPECIFIED ON CIRCUIT BREAKERS
[b]45 A FOR CANADA

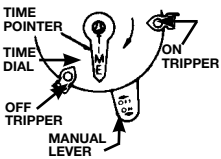
NOTES:

1. Any Intermatic T100M Series Time Switch, PF1000M Series Freeze Protection or RC2000M Series Air Switch mechanism may be installed in the bracket(s) provided or in the event an existing mechanism is replaced.
2. An additional ground bar may be installed in this control panel (order 130T1318A).
3. If this control panel requires bonding, attach a LISTED bonding terminal of a suitable size using the mounting hole(s) provided on the bottom of the enclosure.
4. When a circuit breaker is back-fed, 22T904A breaker hold-down kit must be used.
5. A wiring device may be installed in this control panel (order 21T156A (4) standoffs for mounting).
6. The following kits are available to connect underwater luminaires to this enclosure:
   1/2" non-metallic - order 156PA13713A
   3/4" non-metallic - order 156PA13714A
   1" non-metallic - order 156PA13715A
   1/2" metallic - order 156PA14336A
6. Voici les trousses disponibles pour raccorder des luminaires sous-marins à ce boîtier :
   Non métallique de 12,7 mm (1/2 po) - Réf. 156PA13713A
   Non métallique de 19 mm (3/4 po) - Réf. 156PA13714A
   Non métallique de 2,54 mm (1 po) - Réf. 156PA13715A
   Métallique de 12,7 mm (1/2 po) - Réf. 156PA14336A

TIME SWITCH RATINGS:
30 A, RESISTIVE, INDUCTIVE, TUNGSTEN OR 1000 VA PILOT DUTY - 120/208/240 VAC
2 HP (24 FLA)-120 VAC, 5 HP (28 FLA)-240 VAC;
CLOCK MOTOR: 208-277 VAC - 60 Hz
(to order clock motor replacement, specify part no. WG - on motor cover)

TIME SWITCH OPERATING INSTRUCTIONS

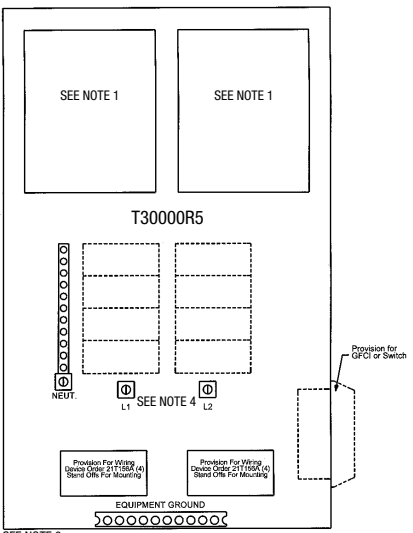
1. TO SET "ON" AND "OFF" TIMES: Hold TRIPPERS against edge of CLOCK-DIAL, pointing to time (AM or PM) when **ON** and **OFF** operations are desired. Tighten tripper screws firmly.



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 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)



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