

MODEL: PE3000T3

CLASS CTL DISTRIBUTION /CONTROL PANEL



RAINFOOF 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.

80 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 troupes de raccordement indiquées ci-dessous à la REMARQUE 6 doit être utilisée.

SUITABLE LISTED BREAKERS							WIRING INFORMATION - COPPER CONDUCTORS ONLY							
MANUFACTURER	CIRCUIT BREAKER					FILLER PLATE	WIRE SIZE 75°C MIN INSULATION	SUPPLY CIRCUIT BREAKER RATING	TERMINAL TORQUE ^a		MAX MOTOR LOAD (CONTINUOUS DUTY)		GENERAL PURPOSE BRANCH CIRCUIT	
	SINGLE	DOUBLE	TWIN	QUAD	GFCB				LINE AND NEUTRAL MAIN LUGS	NEUTRAL AND GROUND	120 V	240 V	BREAKER RATING	MAX CURRENT CAPACITY
CUTLER-HAMMER	BR	BR	BRD	BRD	GFCB	BRFP	14	15	35	20	1/2	1	15	12
MURRAY	MP-T	MP-T	MH-T	MH-T	MP-GT	LX100FP	12	20	35	20	1	2	20	16
SIEMENS	QP	QP	QT	QT	QPF	QF3	10	30	35	20	1 1/2	3	30	24
SQUARE D	HOM	HOM	HOMT	HOMT	HOM	HOMFP	8	50 ^b	40	25	2	5	40	32
GE (up to 40 A)	THQL	THQL	--	--	THQL-GF, GF1	THFILLER	6	65	45	35	---	---	60	44
							4	80	45	35	---	---	---	---

- NOTES:**
- Any Intermatic T100M Series Time Switch, P1353ME Time Switch Mechanism; P4043ME Valve Mechanism; 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.
 - An additional ground bar may be installed in this control panel (order 130T1318A).
 - 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.
 - When a circuit breaker is back-fed, 22T904A breaker hold-down kit must be used.
 - A wiring device may be installed in this control panel (order 21T156A (4) standoffs for mounting).
 - 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
 - Voici les troupes 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
 - The side KO is for an optional wiring device like a switch or receptacle. If outdoors, it has to be protected by a LISTED rainproof cover.
 - This KO is for installing an optional PE653 Wireless Receiver.
 - This KO is for installing an optional PE650 Wireless Receiver.
 - If installation involves running wiring through a building structure, special wiring methods are needed.

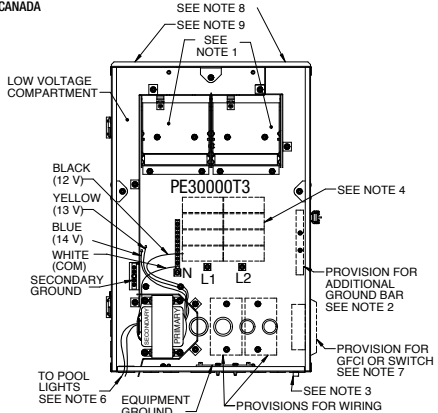
To Wire:

- Connect WHITE lead from Transformer, to NEUTRAL bar on Breaker Base.
- Connect BLACK (12 V), YELLOW (13 V) or BLUE (14 V) lead from Transformer to 120 VAC, 60 Hz supply.

Secondary Output	Connections
12 V	Black to Supply
13 V	Yellow to Supply
14 V	Blue to Supply

- Connect conductors from light to Transformer leads in Low Voltage compartment.

^aTORQUE CIRCUIT BREAKER LUGS TO VALUES SPECIFIED ON CIRCUIT BREAKERS
^b45 A FOR CANADA



TRANSFORMER OUTPUT VOLTAGE SELECTOR GUIDE

Wire Size (Gauge)	Less Than 10 Ft	10	20	30	40	50	60	70	80	90	100
12	12 V	13 V	13 V	14 V	•	•	•	•	•	•	•
10	12 V	12 V	13 V	14 V	14 V	14 V	•	•	•	•	•
8	12 V	12 V	12 V	13 V	13 V	14 V	14 V	14 V	14 V	•	•
6	12 V	12 V	12 V	13 V	13 V	13 V	13 V	13 V	14 V	14 V	14 V

• At this point the voltage available at the lamp greatly reduces light output.