

MODEL: PE10000 CLASS CTL DISTRIBUTION/ CONTROL PANEL



IN 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.
 90 AMP PER LEG, 180 AMP MAX., 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 only LISTED receptacle(s) and/or wiring device(s) inside the enclosure. A LISTED wiring device may be installed in the rectangular side knockout provided. When panel is outdoors, a LISTED rainproof cover must be installed over the wiring device in the side knockout. 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 4 must be used. 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, EP101 or EP104 Mechanism, PF1000M Series Freeze Protection or RC2000M Series Air Switch mechanisms, P1353ME mechanism, or P4243ME mechanism may be installed in the bracket(s) provided or in the event an existing mechanism(s) is replaced. If a filler plate is needed, contact factory.
- If this control panel requires bonding, attach an LISTED 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) stand-offs for mounting).
- The following kits are available to connect under water 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

- Optional opening for Intermatic control device.

3-CIRCUIT DIGITAL CONTROL RATINGS:

CLOCK SOURCE VOLTAGE: 120/240VAC, 50/60 Hz.
 POWER CONSUMPTION: 6.0 Watts Max.
 CONTACT CONFIGURATION: SPST - each circuit

CONTACT RATINGS - EACH CIRCUIT, (P1353ME)

- 17A Resistive - 120/240V AC
- 17 Full Load A, 80 Lock Rotor A - 120/240V AC
- 5A Tungsten, or Ballast 120/240V AC
- Aux Switch: 2A, 24V AC

EVENTS PER CIRCUIT: 3 On/Off Events Per Circuit
 MEMORY RETENTION:

- 40 Year retention for all programmed settings.
- 8-hour time retention

P1353ME OPERATING INSTRUCTIONS

- Press PROG Key to cycle through menu options.
- Press UP and DOWN arrow keys to change program settings.
- Press ENTER key to save changes and exit programming mode.
- Press ON/OFF keys to manually turn devices ON or OFF.

VALVE / PUMP SWITCH MECHANISM (P4243ME)

RATINGS:

CIRCUITS #1 & #2:

- 17A Resistive 120-240V, 10 A Tungsten-120V,
- 1.5 HP - 120V, 3 HP - 240V, 60 Hz; Double Pole Single Throw (DPST)

VALVE ACTUATOR SUPPLY: 24V - 40VA MAX.

WIRING INFORMATION - COPPER CONDUCTORS ONLY									
WIRE SIZE	SUPPLY CIRCUIT	TERMINAL TORQUE:		MAX MOTOR LOAD (CONTINUOUS DUTY)		GENERAL PURPOSE BRANCH CIRCUIT	GENERAL PURPOSE BRANCH CIRCUIT MAXIMUM		
		LINE AND NEUTRAL	NEUTRAL						
75°C MIN INSULATION	BREAKER RATING	MAIN LUGS	AND GROUND	120V.	240V.	BREAKER RATING	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	40	25	2	5	40	32		

* TORQUE CIRCUIT BREAKER LUGS TO VALUES SPECIFIED ON CIRCUIT BREAKERS
 * 45 AMP FOR CANADA.

