

6.5"

1/8 R. (4) OPTIONAL

158PE12767

MODEL: PE45300 CLASS CTL DISTRIBUTION/CONTROL PANEL WITH 3-CIRCUIT DIGITAL CONTROL



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.
125 amp. US/120 amp CANADA (If used as residential Distribution/Control equipment, not more than 6 disconnects can be 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 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 6 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 and close unused breaker openings with filler plates.
KEEP DOOR CLOSED AT ALL TIMES.

MANUFACTURER	SUITABLE LISTED BREAKERS					FILLER PLATE
	CIRCUIT BREAKER					
	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	TBBQ	TBBQ	GFB	FP-1C-TB

WIRING INFORMATION - COPPER CONDUCTORS ONLY							
WIRE SIZE 75°C MIN INSULATION	SUPPLY CIRCUIT BREAKER RATING	TERMINAL TORQUE ^a		MAX MOTOR LOAD (CONTINUOUS DUTY)		GENERAL PURPOSE BRANCH CIRCUIT BREAKER RATING	GENERAL PURPOSE BRANCH CIRCUIT MAXIMUM CURRENT CAPACITY
		LINE AND NEUTRAL MAIN LUGS	NEUTRAL AND GROUND	120V	240V		
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	---	---	---	---
2	115	50	---	---	---	---	---
2 (90°C)	125 ^c	50	---	---	---	---	---

- NOTES:**
- Any Intermatic T100M Series Time Switch, P1353ME mechanism, or P4243ME mechanism may be installed in the bracket(s) provided or in the event an existing mechanism(s) 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 (156T11047A may be ordered).
 - When a circuit breaker is backfed, 22T904A Breaker Hold-Down Kit must be used.
 - 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:

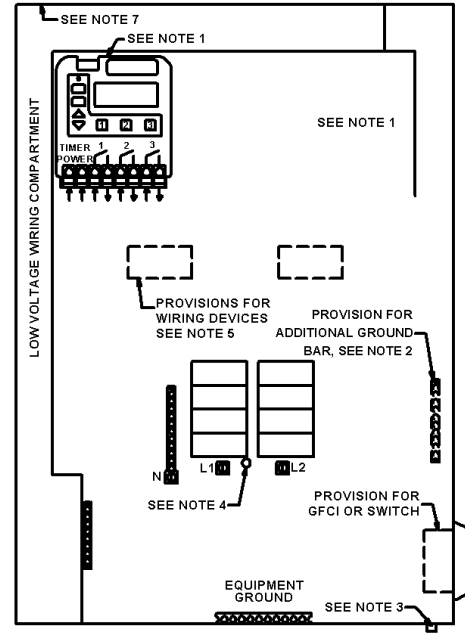
- 40 Year retention for all programmed settings.
- 8-hour time retention.

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.

INTERMATIC INCORPORATED
SPRING GROVE, ILLINOIS 60081-9698

^a TORQUE CIRCUIT BREAKER LUGS TO VALUES SPECIFIED ON CIRCUIT BREAKERS
^b 45 AMP FOR CANADA.
^c 120 AMP FOR CANADA.



NOTES:

- ALL PRINTING TO BE AS PER INTERMATIC APPROVED ARTWORK, AND TO BE CENTRALLY LOCATED ON LABEL.

8.25"

D29

MATERIAL SPECIFICATIONS:

- WHITE VINYL WITH PERMANENT PRESSURE SENSITIVE ADHESIVE BACKING. (.005" THICK)

SEE B/M FOR ALL PART NUMBERS & QUANTITIES

ITEM	PT. NO.	DESC.	QUAN.
INTERMATIC INCORPORATED			
		DR.: SRB 4/4/2006	
		CHKD.: TJS 4/4/2006	
		SCALE: FULL	
		APPROVED	
		2-TD 4/27/2006	
2	REV ART TO REF NOTE 6 WAS 5	SRB 4/27/2006	
1	RELEASED TO ELEC. DATA		
LET.	REVISION	SIGN.	MODEL
SUPERSEDES:			
		NAME: INST SHT - DOOR, PE45300	
		MATERIAL: SEE MATERIAL SPECIFICATIONS	
		FINISH: BLACK PRINTING INK	
		HEAT TREAT:	
		DIM TOL : FRACTIONS ± .010 . DECIMALS AS SPECIFIED - ANGLES ± 1/2"	
		ALL DIMENSIONS MUST BE MET BEFORE PLATING.	