CLASS CTL DISTRIBUTION /CONTROL NODEL: PE45300 CLASS CTL DISTRIBUTION /CONTROL OF 1LR3730 PANEL WITH 3-CIRCUIT DIGITAL CONTROL OF 1LR3730 UL50 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 s

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.

SUITABLE LISTED BREAKERS										
		CIRCUIT BREAKER								
MANUFACTURER	SINGLE	DOUBLE	TWIN	QUAD	GFCB	PLATE				
CUTLER-HAMMER	BR	BR	BRD	BRD	GFCB	BRFP				
MURRY	MP-T	MP-T	МН-Т	МН-Т	MP-GT	LX100FP				
SIEMENS	QP	QP	QT	QT	QPF	QF3				
SOUARE D	НОМ	I ном	l номт	Іномті	HOM	HOMEP				

TBBD TBBQ

GFR

THOMAS & BETTS NOTES:

- 1. 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.

 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 (156T11047A may be ordered).

 4. When a circuit breaker is backfed, 22T904A Breaker Hold-Down Kit must be used.

- 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 1/2" non-metallic - order 156PA13713A 3/4" non-metallic - order 156PA13714A

1" non-metallic - order 156PA13715A 1" non-metallic - order 156PA14336A 1/2" metallic - order 156PA14336A 7. 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

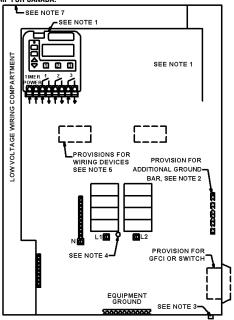
SPRING GROVE, ILLINOIS 60081-9698

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ı	WIRING INFORMATION - COPPER CONDUCTORS ONLY									
ł			TERMINAL	TORQUE				GENERAL		
ı						GENERAL	PURPOSE			
ı	l				MAX MOTOR		PURPOSE	BRANCH		
ı	l	SUPPLY	LINE AND		LOAD		BRANCH	CIRCUIT		
ı	WIRE SIZE	CIRCUIT	NEUTRAL	NEUTRAL	(CONTINUOUS		CIRCUIT	MAXIMUM		
ı	75°C MIN	BREAKER	MAIN	AND	` DUTY)		BREAKER	CURRENT		
ı	INSULATION	RATING	LUGS	GROUND	120V.	240V.	RATING	CAPACITY		
ı	AWG	AMP	LB-IN	LB-IN	HP	HP	AMP	AMP		
ı	14	15	35	20	1/2	1	15	12		
ı	12	20	35	20	1	2	20	16		
l	10	30	35	20	1 1/2	3	30	24		
	8	50b	40	25	2	5	40	32		
	6	65	45	35			60	44		
	4	85	45	35						
	2	115	50							
	2 (90°C)	125¢	50		1					

^a torque circuit breaker lugs to values specified on circuit breakers ^b 45 amp for canada.

c 120 AMP FOR CANADA



8.25"