



POOL & SPA

Catalog

 **INTERMATIC®**

{ 9 Buttons }
Hundreds of Options

MultiWave

Music

Solar Pump

Water Slide

Electronic Controls

Gas Heater Deck Light

Spa Filter Water Feature

Fountain

Booster *Light*

Fan Irrigation Pump Pond Pump

Variable Speed Pump **Cleaner** Pool Lighting



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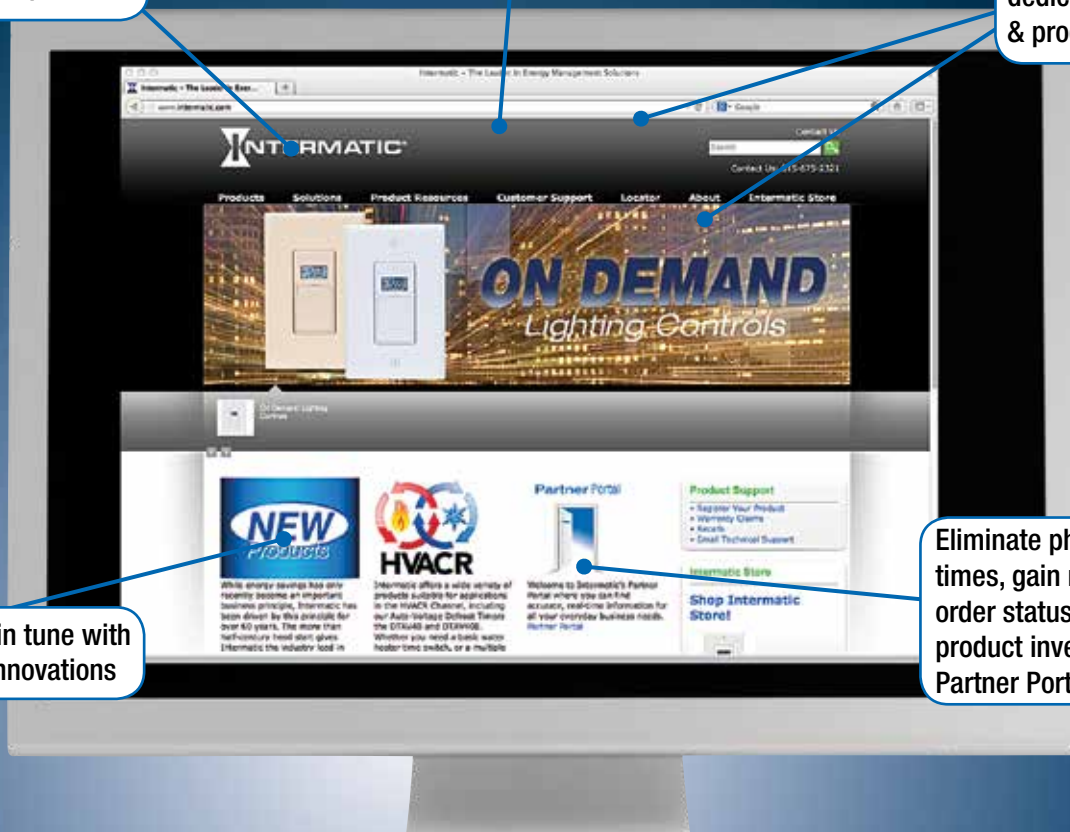
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Electronic Controls



Pool Automation

Lights

Heaters

Sprinklers

Fountains

Blowers

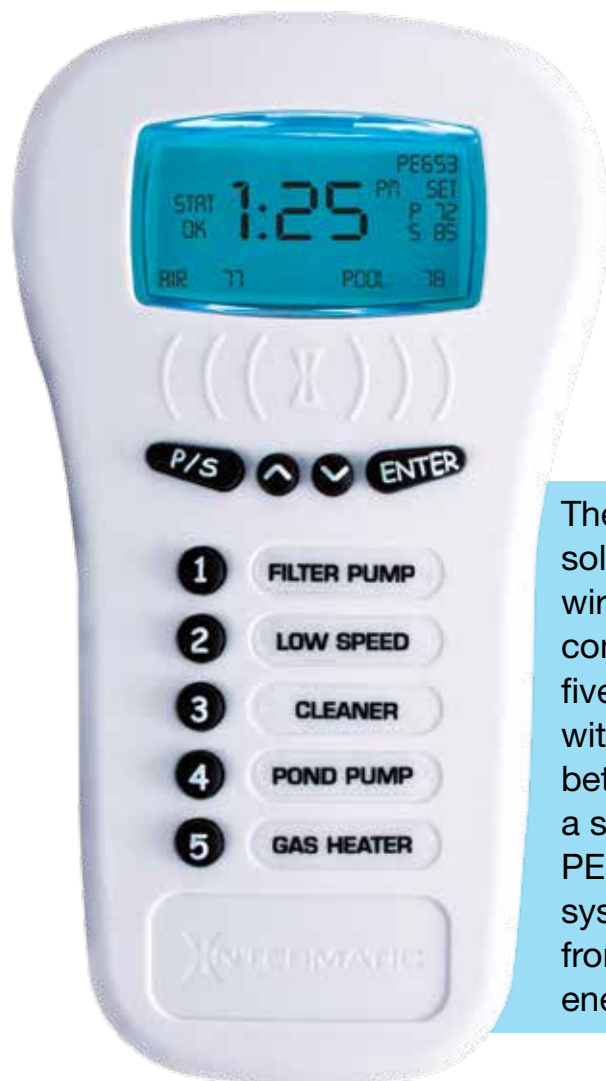
Koi Ponds

Two-Speed Pumps

Single-Speed Pumps

Booster Pumps

Variable-Speed Pumps



Nine Buttons, **Hundreds** of Options

Convenient, Easy-to-Use Wireless Pool or Spa Controls

The MultiWave Wireless Control System is the best solution for pool or spa automation. It features a wireless remote and receiver for on-demand control from the palm of your hand. It also controls five circuits for single and two-speed pumps, along with the Pentair® variable-speed pumps. Choose between the standard MultiWave that controls a single body of water, or the PE34065RC and PE24065RC that control pool and spa combination systems. The MultiWave is easily upgradeable from any Intermatic mechanical timer or energy-efficient pump.



MultiWave Control System



- Wireless control for pool/spa equipment
- Controls 5 circuits
- Operates single, two, and variable-speed pumps
- 24-hour timing with 3 ON/OFF events per circuit
- Includes receiver, wireless remote, water and air temperature sensors, (3) AA batteries, equipment labels, and flathead screwdriver
- Controls filters, lights, cleaners, and heaters

Model #	Enclosure
A. PE653RC	Type 3R steel indoor/outdoor

Rating:

Control Supply: 120, 240 VAC, 50/60 Hz., 5 W max.

Circuit 1: 20 A Resistive (17 FLA, 80 LRA), 120, 240 VAC 50/60 Hz.

Circuits 2-5: 15 A Resistive (10 FLA, 60 LRA), 120, 240 VAC, 50/60 Hz.

Enclosure Dimensions (HxWxD): 9 3/8" x 5 1/2" x 3 3/4" (23.8 cm x 13.97 cm x 9.5 cm)

Knockouts: Combination 1/2" - 3/4" (1) on back, (1) each side, (2) on bottom

Warranty: 2 year

Pentair® is a registered trademark of Pentair Ltd.

MULTI
WAVE



For wiring diagrams see pages 106-109.

INTERMATIC

MultiWave Accessories



PE653 MultiWave 5-Circuit Wireless Receiver

- Ideal for adding to an existing enclosure installation
- Works with PA122 water temperature sensor and 178PA28A freeze (air temperature) sensor
- Communicates with variable-speed pumps, chlorinators, and water temperature sensors
- Ideal for upgrading from any Intermatic mechanical timer
- 2-year warranty

Model #	Description	Qty.
B. PE653	Panel Mount Receiver	1



PE953 MultiWave Wireless Remote

- Water-resistant backlit display
- Displays time of day, equipment status, water and air temperatures, and ON/OFF schedules
- On-demand control of PE653 circuits, temperatures, and other Z-Wave devices
- Operates single, two, and variable-speed pumps and motorized valve actuators
- 2-year warranty

Model #	Description	Qty.
C. PE953	Wireless Handheld Remote	1

(3) AA batteries and equipment labels included



PA122 Water Temperature Sensor

- Monitors pool/spa water temperatures
- Connects to PE653 receiver to communicate water temperature
- 1-year warranty

Model #	Description	Qty.
D. PA122	Water Temperature Sensor	1

Needed to enable thermostat feature on the PE653RC



178PA28A Freeze (Air Temperature) Sensor

- Protects pool/spa equipment and plumbing
- Perfect for below-freezing outdoor environment
- Monitors outside air temperature
- 1-year warranty

Model #	Description	Qty.
E. 178PA28A	Freeze Sensor	1

Needed to enable freeze protection feature on the PE653RC



A.



B.

P4043ME and PE140 Valve Actuator Controls

- Easily snap into most existing Intermatic enclosures with available mechanism support bracket
- Control up to three valve actuators
- Switch heater thermostats HIGH/LOW
- Remote-control capabilities

Model #	Description
A. P4043ME	Mechanism Only
B. PE140	P4043ME with Type 3R Enclosure

Ratings:

Input Voltage: 120 or 240 VAC, 50/60 Hz.

Valve Actuator Supply: 24 VAC, 40 VA

Warranty: 1 year

Don't Forget your 24-Volt PE24VA Valve Actuator

You can't utilize the best actuator controls on the market without it!



C.

PE24VA 24-Volt Valve Actuator



- Reliable control of 2-way and 3-way diverter valves for pool/spa combinations and water features
- Easy-to-adjust cam rotates valves to multiple settings
- Compatible with all pool/spa valves and controls
- 1-year warranty

	Model #	Input Voltage
C.	PE24VA	24 VAC

Check Out Our Try Me Program on the backcover

P4243ME Valve/Pump Switch Mechanism



- Controls up to 2 circuits associated with pool/spa combos
- Snaps into most Intermatic enclosures
- Automatic HIGH/LOW water temperature selector
- Manual load control
- Wireless remote and master controller connections

Model #	Description	Actuator Supply
D. P4243ME	Mechanism Only	(3) 24 VAC Actuators

Ratings:

Each Circuit:

Valve Actuator Supply: 24 VAC, 40 VA
17 A Resistive, 120-240 VAC, 50/60 Hz.
1.5 HP, 120 VAC, 50/60 Hz.
3 HP, 240 VAC, 50/60 Hz.
10 A Tungsten, 120 VAC, 50/60 Hz.

Warranty: 1 year



D.



Control Your Pool AND Spa Combo

PE24065RC Kit Includes:

- PE20000 Load Center with 60 Amp Base
- PE653RC MultiWave Control System
- Water and Air Sensor with Mounting Hardware
- P4043ME Actuator Controller
- (2) PE24VA Valve Actuators
- Equipment Labels

PE20000RC Series Kits 60 Amp MultiWave Control System



- For a single pool or spa or a pool/spa combo
- Load center with four position 60 Amp breaker base
- Two knockouts for GFCIs and switches
- Controls 5 circuits
- Full thermostat control
- Operates single, two, and variable-speed pumps
- 24-hour scheduling capability for all connected equipment
- Type 3R indoor/outdoor 0.048" steel load center

	Model #	Application	Actuator Control	Valve Actuators
A.	PE20065RC	Pool or Spa	—	—
B.	PE24065RC	Pool/Spa Combo	P4043ME	2 (PE24VA)

Each kit also includes (3) AA batteries and a flathead screwdriver.

Ratings:

Load Center Rating: 60 A, 120/240 VAC or 120/208 VAC single phase

Control Supply: 120/240 VAC, 50/60 Hz, 5 W max.

Circuit 1: 20 A Resistive (17 FLA, 80 LRA) 120, 240 VAC 50/60 Hz.

Circuits 2-5: 15 A Resistive (10 FLA, 60 LRA) 120, 240 VAC 50/60 Hz.

Load Center Dimensions: 16 1/2" (41.9 cm) H x 10 7/8" (27.6 cm) W x 4 1/4" (10.8 cm) D

Knockouts:

Bottom: (2) 1.09" ϕ through holes, (6) combination 1/2" – 3/4", (3) combination 3/4" – 1"

Left: (2) combination 1/2" – 3/4"

Back: (1) combination 3/4" – 1"

Right: (1) 1 3/4" x 2 3/4" for mounting switches or GFCI

Warranty: 2 year

For wiring diagrams see pages 106-109



Pool OR Spa

C.



Pool & Spa Combo

D.

PE30000RC Series Kits

80 Amp MultiWave Control System



- For a single pool or spa or a pool/spa combo
- Load center with eight position 80 Amp breaker base
- Four knockouts for GFCIs and switches
- Controls 5 circuits
- Full thermostat control
- Operates single, two, and variable-speed pumps
- 24-hour scheduling capability for all connected equipment
- Type 3R indoor/outdoor 0.048" steel load center

	Model #	Application	Actuator Control	Valve Actuators	Transformer
C.	PE30065RC	Pool or Spa	—	—	—
	PE30065RCT3	Pool or Spa	—	—	—
D.	PE34065RC	Pool and Spa Combo	P4043ME	2 (PE24VA)	300 Watts
	PE34065RCT3	Pool and Spa Combo	P4043ME	2 (PE24VA)	300 Watts

Each kit also includes (3) AA batteries and a flathead screwdriver.

Ratings:

Load Center Rating: 80 A, 120, 240 VAC or 120, 208 VAC single phase

Control Supply: 120, 240 VAC, 50/60 Hz., 5 W max.

Circuit 1: 20 A Resistive (17 FLA, 80 LRA) 120, 240 VAC 50/60 Hz.

Circuits 2-5: 15 A Resistive (10 FLA, 60 LRA) 120, 240 VAC 50/60 Hz.

Load Center Dimensions: 22" (55.9 cm) H x 14 3/4" (37.5 cm) W x 4 1/4" (10.8 cm) D

Knockouts:

Bottom: (2) 1.09"Ø through holes, (6) combination 1/2" – 3/4",

(2) combination 3/4", 1", 1 1/4", (4) 1/2"

Left: (2) combination 1/2" – 3/4"

Back: (4) combination 1/2" – 3/4", and (2) combination 3/4" – 1"

Right: (1) 1 3/4" x 2 3/4" for mounting switches or GFCI

Warranty: 2 year

For wiring diagrams see pages 106-109

Control Your Pool AND Spa Combo

PE34065RC Kit Includes:

- PE30000 Load Center with 80 Amp Base
- PE653RC MultiWave Control System
- Water and Air Sensor with Mounting Hardware
- P4043ME Actuator Controller
- (2) PE24VA Valve Actuators
- Equipment Labels

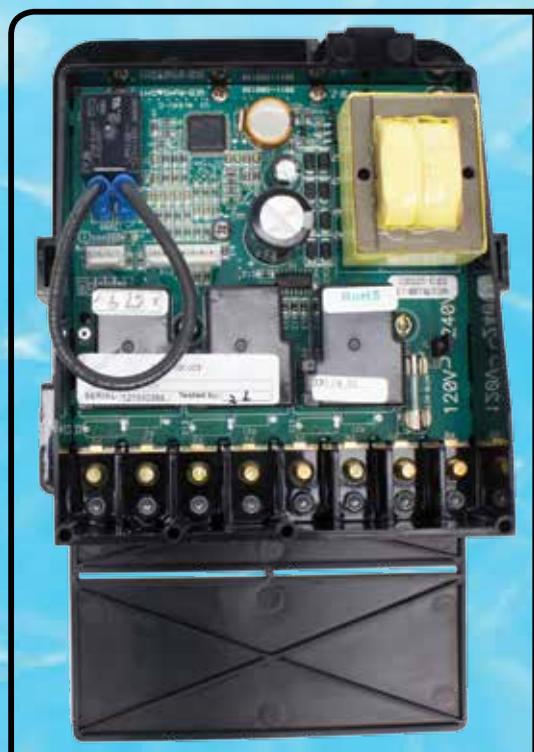
Without the New MultiWave Your Pool is Just a Swimmin' Hole

launching in spring 2014



The new MultiWave Control System instantly makes your pool/spa better. Take advantage of dual thermostat heater control, heater/cooling solar control, and expanded compatibility with leading variable-speed pumps. Add in a USB connection for free and easy software updating and your old swimmin' hole spring boards into a pool of advanced automation and convenience.

MULTI
WAVE™



Have You Seen This Timer?

Pool/Spa owners need your help locating the PE153 and PE1353ME 3-circuit digital timers. These advanced timers are accused of being able to replace three mechanical timers all in one. The PE1353ME mechanism has been known to easily snap into most enclosures for easy upgrading, while the PE153 comes standard in an enclosure. The unmitigated timers were previously seen providing a built-in countdown feature, freeze and circuit protection, and a fireman's switch connection. Anyone needing further information on this timer is asked to contact his or her local Intermatic sales representative.

Upgrade in a Snap!

Switch to digital in minutes!



A.

P1353ME

Digital 3-Circuit Time Switch Mechanism



- Snaps into existing T100 series enclosures for easy upgrade
- Three ON/OFF events circuit per day
- Seven pre-programmed modes
- Memory backup
- Freeze and heater protection
- LCD readout
- Countdown and override features enable programs to be overridden and automatically resumed without requiring the user to reprogram the system
- Fireman's switch connection
- Multi-voltage input & output
- Controls single and 2-speed pumps and cleaner and booster pumps

Model #	Input Voltage	Switch
A. P1353ME	120/240 VAC, 50/60 Hz	3-SPST

Rating:

Contacts:

17 A Resistive, 120/240 VAC, 50/60 Hz.
(20 FLA, 96 LRA), 120 VAC, 50/60 Hz.
(17 FLA, 80 LRA) 240 VAC, 50/60 Hz.
5 A Tungsten, 120/240 VAC, 50/60 Hz.

Warranty: 1 year

For replacement parts see page 69, 71, 72, 74, 77.
For wiring diagrams see pages 103-105.

Pre-Programmed Modes for Common Applications

Mode 1 – (Aux1, Aux2, Aux3)

- All 3 switches control auxiliary devices

Mode 2 – (Pump High, Pump Low, Aux3)

- 1st and 2nd switches control a two-speed pump
- 3rd switch controls an auxiliary device
- Two-speed pump timing and protection

Mode 3 – (Pump, Aux2, Cleaner Pump)

- 1st switch controls a single-speed pump
- 2nd switch controls an auxiliary device
- 3rd switch controls a booster/cleaner pump
- Filter/cleaner pump timing and protection

Mode 4 – (Pump High, Pump Low, Cleaner Pump)

- 1st and 2nd switches control a two-speed pump
- 3rd switch controls a booster/cleaner pump
- Two-speed and filter/cleaner pump timing and protection

Mode 5 – (Pump L1, Pump L2, Aux3)

- 1st and 2nd switches control a 240 VAC pump, where L1 and L2 are disconnected when the pump is OFF
- 3rd switch controls any auxiliary device

Mode 6 – (Aux1, Aux2, Aux3) Heater green mode

- Identical to Mode 1, with capability to run a heater when only the filter pump is manually turned ON
- This mode is ideal for connecting Circuit 1 to a circulation pump in a spa. *NOTE: When spa is not in use, the clock does not turn the heater ON. When spa is in use, the heater can be activated by manually switching Circuit 1 ON.*

Mode 7 – (Pump High, Pump Low, Common) Break both lines

- Identical to Mode 2, with the capability to break both hot lines of a 240 VAC two-speed pump connection
- 1st and 2nd circuits connect to High and Low lines of a two-speed pump and 3rd circuit connects to the common hot leg
- Two-speed pump timing and protection



B.



C.

Freeze Probe included

Type 3R Steel Enclosure



D.



E.

Freeze Probe included

Type 3R Plastic Enclosure

PE100 Series

Digital 3-Circuit Time Switch in Enclosure



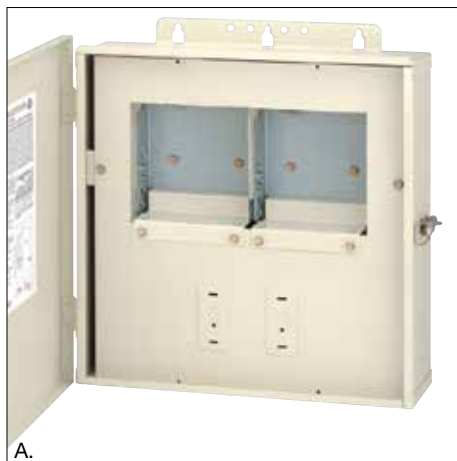
- Multi-voltage input and output
- Controls single and two-speed pumps and cleaner/booster pumps
- Three ON/OFF events per circuit per day
- Seven pre-programmed modes
- Freeze and heater protection
- Replaces 3 mechanical timers all-in-one
- Countdown and override features enable programs to be overridden and automatically resumed without requiring the user to reprogram the system
- Fireman's switch connection

Rating:

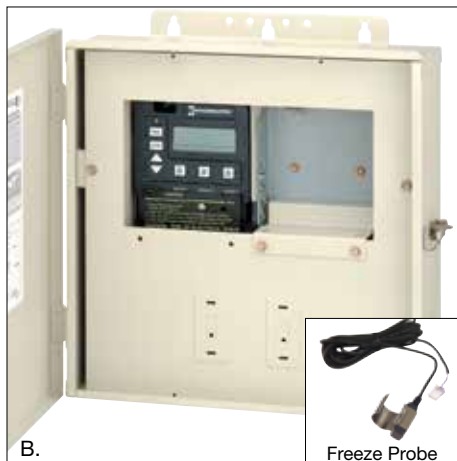
Input Voltage: 120/240 VAC, 50/60 Hz.
17 A Resistive, 120/240 VAC, 50/60 Hz.
(20 FLA, 96 LRA), 120 VAC, 50/60 Hz.
(17 FLA, 80 LRA), 240 VAC, 50/60 Hz.
5 A Tungsten, 120/240 VAC, 50/60 Hz.
Warranty: 1 year

	Model #	Enclosure	Input Voltage	Accessory	Switch
	B. PE153	Type 3R Steel	120, 240 VAC, 50/60 Hz	—	3-SPST
	C. PE153F	Type 3R Steel	120, 240 VAC, 50/60 Hz	Freeze Probe	3-SPST
	D. PE153P	Type 3R Plastic	120, 240 VAC, 50/60 Hz	—	3-SPST
	E. PE153PF	Type 3R Plastic	120, 240 VAC, 50/60 Hz	Freeze Probe	3-SPST

For replacement parts and accessories, see page 66. For enclosures see page 69.
For wiring diagrams see pages 103-105.



A.



B.

Freeze Probe



C.



D.

Freeze Probe

PE10000 Series Pool/Spa Control System with Type 3R Power Center

- Includes P1353ME 3-circuit mechanism and power center
- P1353ME controls single and two-speed filter pumps, cleaner/booster pumps, and landscape lighting

	Model #	Mechanism	Accessory	Switch
A.	PE10000	Power Center only	—	—
	PE15300	P1353ME	—	3-SPST
B.	PE15300F	P1353ME	Freeze Probe	3-SPST

Ratings:

P1353ME Switch Ratings Each Circuit (SPST):

Input Voltage: 120/240 VAC, 50/60 Hz.

Contacts:

17 A Resistive 120/240 VAC,

5 A Tungsten 120/240 VAC,

17 FLA, 80 LRA 120/240 VAC

Auxiliary Switch: 2 A, 24 VAC

Power Center Dimensions: 16 1/2" (41.9 cm) H x

10 7/8" (27.6 cm) W x 4 1/4" (10.8 cm) D

Knockouts:

Bottom: (1) 1.09" \varnothing through hole,

(3) 1/2", (7) 1/2" - 3/4", (2) 3/4" - 1"

Left: Two 1/2" - 3/4"

Back: (1) 1/2" - 3/4", (1) 3/4" - 1"

Right: (1) 1 3/4" x 2 3/4"

Warranty: 1 year

PE20000 Series 60 Amp Pool/Spa Control System with Type 3R Load Center

- 60 Amp 4-position breaker base
- Includes P1353ME 3-circuit mechanism and load center
- P1353ME controls single and two-speed filter pumps, cleaner/booster pumps, and landscape lighting

	Model #	Mechanism	Accessory	Switch
C.	PE20000	Load Center only	—	—
	PE25300	P1353ME	—	3-SPST
D.	PE25300F	P1353ME	Freeze Probe	3-SPST

Ratings:

P1353ME Switch Ratings For Each Circuit (SPST):

Input Voltage: 120/240 VAC, 50/60 Hz.

Contacts:

17 A Resistive 120/240 VAC,

5 A Tungsten 120/240 VAC,

17 FLA, 80 LRA 120/240 VAC

Auxiliary Switch: 2 A, 24 VAC

Load Center Dimensions: 14 3/4" (37.5 cm) H x

14 3/4" (37.5 cm) W x 4 1/4" (10.8 cm) D

Knockouts:

Bottom: (1) 1.09" \varnothing through hole,

(6) 1/2" - 3/4", (3) 3/4" - 1"

Left: (2) 1/2" - 3/4"

Back: (1) 3/4" - 1"

Right: (1) 1 3/4" x 2 3/4" for mounting

switches or GFCI

Warranty: 1 year

For further information on P1353ME mechanism, see pages 69, 71, 72, 74, 77.

Wiring devices may be installed in the power and load centers (order (4) 21T156A standoffs for mounting). See page 64.

For accessories, see page 66.

For wiring diagrams see pages 103-105

PE30000 Series

80 Amp Control System with Type 3R Load Center



- 80 Amp 8-position breaker base
- Includes P1353ME 3-circuit mechanism and load center
- P1353ME controls single and two-speed filter pumps, cleaner/booster pumps, and landscape lighting

	Model #	Mechanism	Switch	Transformer
E.	PE30000	Load Center only	—	—
	PE30000T3	Load Center only	—	300W
F.	PE35300	P1353ME	3-SPST	—

Ratings:

P1353ME Switch Ratings Each Circuit (SPST):

Input Voltage: 120/240 VAC, 50/60 Hz.

Contacts:

17 A Resistive 120/240 VAC,

5 A Tungsten 120/240 VAC,

17 FLA, 80 LRA 120/240 VAC

Auxiliary Switch: 2 A, 24 VAC

Load Center Dimensions: 22" (55.9 cm) H x

14 3/4" (37.5 cm) W x 4 1/4" (10.8 cm) D

Knockouts:

Bottom: (1) 1.09" Ø through hole,

(6) 1/2" - 3/4", (2) 3/4" - 1" - 1 1/4", (4) 1/2"

Left: (2) 1/2" - 3/4"

Back: (4) 1/2" - 3/4", (2) 3/4" - 1"

Right: (1) 1 3/4" x 2 3/4" for mounting switches or GFCI

Warranty: 1 year



E.



F.

PE40000 Series

125 Amp Control System with Type 3R Load Center



- 125 Amp 8-position breaker base
- Includes P1353ME 3-circuit mechanism and load center
- P1353ME controls single and two-speed filter pumps, cleaner/booster pumps, and landscape lighting

	Model #	Mechanism	Switch
G.	PE40000	Load Center only	—
H.	PE45300	P1353ME	3-SPST

Ratings:

P1353ME Switch Ratings Each Circuit (SPST):

Input Voltage: 120/240 VAC, 50/60 Hz.

Contacts:

17 A Resistive 120/240 VAC,

5 A Tungsten 120/240 VAC,

17 FLA, 80 LRA 120/240 VAC

Auxiliary Switch: 2 A, 24 VAC

Load Center Dimensions: 26" (66.3 cm) H x

18" (45.9 cm) W x 5 1/2" (14 cm) D

Knockouts:

Bottom: (1) 1.09" Ø through hole,

(13) 1/2" - 3/4", (2) 3/4" - 1" - 1 1/4",

Left: (1) 1/2" - 3/4", (2) 3/4" - 1"

Back: (4) 1/2" - 3/4", (2) 3/4" - 1"

Right: (1) 1 3/4" x 2 3/4" for mounting switches or GFCI

Warranty: 1 year



G.



H.

For further information on P1353ME mechanism, see page 69, 71, 72, 74, 77.

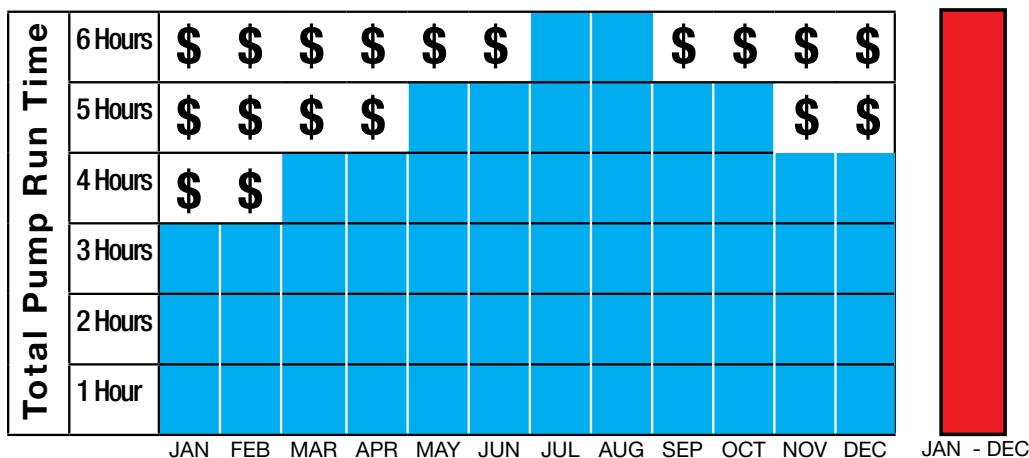
Wiring devices may be installed in this load center

(order (4) 21T156A standoffs for mounting). See page 65 and 103-105.

Cut Your Utility Bills in Half

With the Intermatic PE103/P1403ME Seasonality Timer

The P1403ME & PE103 significantly reduces pump run times to help you save up to 40% in monthly utility bills. Take advantage of the timer's seasonal adjust feature that automatically operates the filter pump longer during peak swimming months and shorter during colder months to help gain a five-month return on investment.



Seasonality Timer

Save up to 40%

In Monthly Utility Bills

P1403ME and PE103

Electronic 1 or 2-Speed Pump Timer with Seasonal Adjust



- Saves up to 40% in monthly utility bills compared to standard timers
- Meets most rebate incentives
- Full single and two-speed pump control
- Enables separate daily schedules
- Additional circuit for auxiliary equipment
- Easy-to-follow on-screen setup for programming
- Auto-Voltage adjust
- Automatically adjusts pump operation according to season
- Efficient low-speed operation for all seasons
- User-programmable high and low-speed events
- 100+ hour supercapacitor memory retention

Model #	Description	Input Voltage	Switch
D. P1403ME	Mechanism Only	120, 240 VAC, 50/60 Hz	4-SPST
E. PE103	P1403ME with Type 3R Enclosure	120, 240 VAC, 50/60 Hz	4-SPST

Ratings:

Power Consumption: 7 W max.

Contact Ratings (SPST) Each Circuit:

30 A Inductive and Resistive at 24 VAC, 120-277 VAC

16 FLA, 96 LRA at 120 VAC

17 FLA, 80 LRA at 240 VAC

20 A Resistive at 28 VDC

5 A Tungsten at 120-277 VAC

Clock Source Voltage: 120-277 VAC, 50/60 Hz.

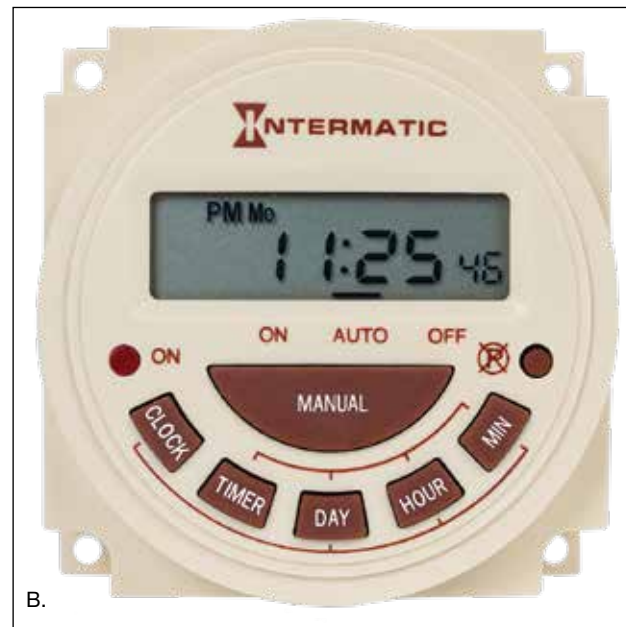
Warranty: 1 year



D.



E.



PB300 Series Electronic Panel Mount Timers

- 24-Hour and 7-Day models
- Perfect for applications where equipment needs to be cycled ON/OFF up to 8 times per day
- Select feature enables timers to be continuously ON, OFF, or in AUTO mode
- Rugged construction
- 3-year service life replaceable lithium battery

24-Hour						
	Model #	Input Voltage	Switch	Amps	HP	FLA
A.	PB313E	120 VAC, 50/60 Hz	SPDT	16	½	8
	PB313EK*	120 VAC, 50/60 Hz	SPDT	16	½	8
	PB314E	240 VAC, 50/60 Hz	SPDT	16	½	8
	PB314EK*	240 VAC, 50/60 Hz	SPDT	16	½	8

7-Day						
	Model #	Input Voltage	Switch	Amps	HP	FLA
B.	PB373E**	120 VAC, 50/60 Hz	SPST	20	1	16
	PB374E**	240 VAC, 50/60 Hz	SPST	20	2	12

*EK models are replacement kits

**Output voltage is same as supply

Rating:

Enclosure: Beige electrical grade plastic

Dimensions: 2 ¾" (6 cm) H x 2 ¾" (6 cm) W 1 ⅛" (28 cm) D

Warranty: 1 year

Replacing an existing PB Series Timer?

Be sure to order an EK model replacement kit!

Customize your Schedules

Every day of the week



D.



C.

P1000 and P7000 Series 24-Hour/7-Day Electronic Time Switch Mechanisms



- Perfect for applications that turn equipment ON/OFF up to 8 times per day
- To-the-minute programming accuracy
- Dual voltage input (3-wire)
- Safety door prevents unwanted entry into wiring compartment
- Timer override
- Select feature enables timers to turn ON/OFF in AUTO mode
- 24-Hour and 7-Day models
- 3-year service life replaceable lithium battery

	Model #	Description	Switch
C.	P7103ME*	7-Day Mechanism Only	DPST
D.	P1103FE	24-Hour with Type 3R Plastic Enclosure	DPST

*Standard mechanism fits in all standard Intermatic enclosures and power and load centers.

Rating:

Clock Supply Voltage: 120 VAC, 50/60 Hz.

Switch Rating:

20 A Resistive, 120-240 VAC

10 A Tungsten, 120 VAC

1.5 HP, 120 VAC, 3 HP, 240 VAC 50/60 Hz.

Warranty: 1 year

For replacement parts, trippers and accessories, see pages 64-65.

For additional enclosures see page 60-62.

The iconic **Intermatic T101** Mechanical Time Switch has often been copied, but never beaten.

While other time switches have come and gone, Intermatic has remained constant with its recognizable yellow dial that delivers unbeatable reliability and performance. With a deep and rich heritage that spans over 30 years, the T101 legacy bridges the gap between old and new by meeting expectations for reliable pool and spa controls. What more can you ask for?



Mechanical Controls

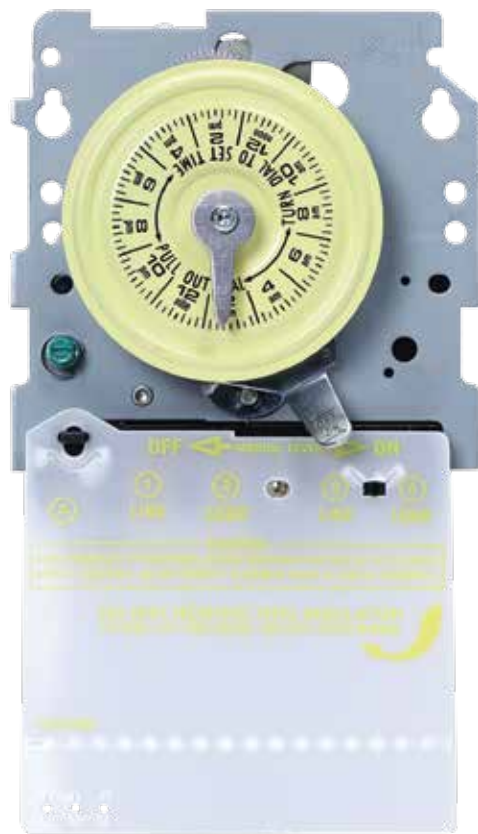


Outdoor Landscape Lighting

Lights *Booster Pumps* **Blowers**

Fountains *Two-Speed Pumps*

Heaters **Single-Speed Pumps**



A.

T100M Series 24-Hour Mechanical Time Switches



- Highest motor load ratings in the industry
- 12 ON/OFF operations per day
- ON/OFF trippers included
- Can be installed in most Intermatic enclosures
- Available with pool heater protection

Without Pool Heater Protection

	Model #	Switch	Input Voltage
A.	T101M	SPST	120 VAC, 60 Hz
	T103M	DPST	120 VAC, 60 Hz
	T104M	DPST	208-277 VAC, 60 Hz
	T106M	SPDT	208-277 VAC, 60 Hz

With Pool Heater Protection

B.	T104M201	DPST	208-277 VAC, 60 Hz
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B.

Rating:

Switch Rating:

- 40 A Resistive each pole, 120-480 VAC
- 40 A Tungsten, Inductive or 1000 VA Pilot Duty each pole 120-277 VAC
- 2 HP (24 FLA) 120 VAC
- 5 HP (28 FLA) 240 VAC

Heater Control Circuit: 10 A, 240 VAC max.

Operating Temperature Range: -40°F to 130°F (-40°C to 54°C)

Warranty: 1 year

For parts, trippers and accessories, see page 65-67.

Replace your timer with
the most trusted device
in the industry

Don't Mess with Perfection

T100 Series 24-Hour Mechanical Time Switches in Enclosure



- Highest motor load ratings in the industry
- 12 ON/OFF operations per day
- ON/OFF trippers included
- Available with pool heater protection

Without Pool Heater Protection

Model #	Enclosure	Switch	Input Voltage
T101P3	Type 3R Plastic	SPST	120 VAC, 60 Hz
C. T104P3	Type 3R Plastic	DPST	208-277 VAC, 60 Hz
T106P3	Type 3R Plastic	1 N.O./1 N.C.	208-277 VAC, 60 Hz
D. T101R3	Type 3R Steel	SPST	120 VAC, 60 Hz
T104R3	Type 3R Steel	DPST	208-277 VAC, 60 Hz

With Pool Heater Protection

Model #	Enclosure	Switch	Input Voltage
T101P201	Type 3R Plastic	SPST	120 VAC, 60 Hz
T104P201	Type 3R Plastic	DPST	208-277 VAC, 60 Hz
E. T101R201	Type 3R Steel	SPST	120 VAC, 60 Hz
T104R201	Type 3R Steel	DPST	208-277 VAC, 60 Hz

Rating:

Switch Rating:

- 40 A Resistive each pole, 120-480 VAC
- 40 A Tungsten, Inductive or 1000 VA Pilot Duty each pole 120-277 VAC
- 2 HP (24 FLA) 120 VAC
- 5 HP (28 FLA) 240 VAC

Heater Control Circuit: 10 A, 240 VAC max.

Operating Temperature Range: -40°F to 130°F (-40°C to 54°C)

Warranty: 1 year

For replacement parts, trippers, and accessories, see page 66.
For additional enclosures, see pages 60-63.



C.



D.



E.

Your Power Center with 2-speed control



T10000R Series Control System with Type 3R Power Centers



- Available with one or two heavy-duty time switch mechanisms
- Accepts any combination of PF1000M, P1403ME, P1353ME, P4043ME, P4243ME, T100M, or RC2000M series mechanisms
- GFCI and switch mounting capabilities

Model #	Mechanism(s)	Switch	Mechanism Supply Voltage
A. T10000R	Power Center only	—	—
B. T10004R	(1) T104M	DPST	240 VAC, 60 Hz
T10006R	(1) T106M	SPDT	240 VAC, 60 Hz
C. T10101R	(2) T101M	SPST/SPST	120/120 VAC, 60 Hz
T10404R	(2) T104M	DPST/DPST	240/240 VAC, 60 Hz
T10604R	T106M & T104M	SPDT/DPST	240/240 VAC, 60 Hz
T12404R*	T104M201 & T104M	DPST/DPST	240/240 VAC, 60 Hz

*The heater protection switch is closed when the time switch contacts are open to allow remote operation of heater. A flow or pressure switch must always be part of heater control circuit.

For replacement parts, trippers and accessories, see page 66.

See page 26 for further information on the applicable mechanism.

Wiring devices may be installed in this power center (order (4) 21T156A standoffs for mounting). See page 64.

Ratings:

Switch Rating: 30 A Resistive/Inductive, Tungsten or 1000 VA Pilot Duty each pole 120, 208, 240 VAC

2 HP (24 FLA), 120 VAC

5 HP (28 FLA), 240 VAC

Operating Temperature Range:

-40°F to 130°F (-40°C to 54°C)

Power Center Dimensions:

12" (30.5 cm) H x 12" (30.5 cm) W x 4 1/4" (10.8 cm) D

Knockouts:

Bottom: (5) combination 1/2" - 3/4"

and (2) combination 3/4" - 1"

Left: (1) combination 1/2" - 3/4"

Back: (1) combination 3/4" - 1", (1) 1/2" - 3/4"

Right: (1) 1 3/4" x 2 3/4" for mounting switches or GFCI

Warranty: 1 year



D.



E.

T20000R Series

60 Amp Control System with Type 3R Load Center



- Comes with 4/8 position breaker base, equipment grounding bar, and mechanical time switch mechanism
- Accepts PF1000M, P1403ME, P1353ME, P4043ME, P4243ME, T100M, or RC2000M series mechanisms
- Accepts many interchangeable-type breakers
- GFCI and switch mounting capabilities

Ratings:

Load Center Rating: 60 A, 120, 240 VAC or 120, 208 VAC 60 Hz., Single Phase, 60 Hz.

Switch Rating: 30 A Resistive/Inductive, Tungsten or 1000 VA Pilot Duty each pole 120, 208, 240 VAC
2 HP (24 FLA), 120 VAC
5 HP (28 FLA), 240 VAC

Operating Temperature Range: -40°F to 130°F (-40°C to 54°C)

Load Center Dimensions:

16 3/4" (42.6 cm) H x 8 7/8" (22.5 cm) W x 4 3/8" (11.1 cm) D

Knockouts:

Bottom: (5) combination 1/2" – 3/4" and (3) combination 3/4" – 1"

Left: (1) combination 1/2" – 3/4"

Back: (1) combination 3/4" – 1"

Right: (1) 1 3/4" x 2 3/4" for mounting switches or GFCI

Warranty: 1 year

	Model #	Mechanism	Switch	Mechanism Supply Voltage
D.	T21000R	Load Center Only	—	—
E.	T21001R	T101M	SPST	120 VAC, 60 Hz
	T21004R	T104M	DPST	240 VAC, 60 Hz

For replacement parts, trippers and accessories, see page 66.

See page 26 for further information on the applicable mechanism.

Wiring devices may be installed in this load center (order (4) 21T156A standoffs for mounting). See page 64.

Get up to speed

with an All-in-One Load Center



T30000R Series

100 Amp Control System with Type 3R Load Center



- Comes with an 8/16 circuit breaker base, equipment grounding bar, and mechanical time switch(es)
- Reduces installation costs
- Eliminates the need for additional service panels
- Accepts any combination of PF1000M, P1403ME, P1353ME, P4043ME, P4243ME, T100M, or RC2000M series mechanisms
- Fully compatible with all electrical requirements for pool/spa installations
- GFCI and switch mounting capabilities

	Model #	Mechanism(s)	Switch	Mechanism Supply Voltage
A.	T30401R	T104M & T101M	DPST/SPST	240/120 VAC, 60Hz
B.	T30004R	(1) T104M	DPST	240 VAC, 60Hz
C.	T30000R5	Load Center only	—	—
	T30404R	(2) T104M	DPST/DPST	240/240 VAC, 60Hz
	T30604R	T106M & T104M	SPDT/DPST	240/240 VAC, 60Hz
	T32404R*	T104M201 & T104M	DPST/DPST	240/240 VAC, 60Hz

*The heater protection switch is closed when the time switch contacts are open to allow remote operation of heater. A flow or pressure switch must always be part of heater control circuit.

See page 26 for further information on the applicable mechanisms.

Wiring devices may be installed in this load center (order (4) 21T156A standoffs for mounting). See page 64.

For replacement parts, trippers and accessories see page 65.

Ratings:

Load Center Rating: 100 A, 120, 240 VAC or 120, 208 VAC single phase, 60 Hz

Switch Rating:

- 30 A Resistive/Inductive, Tungsten or 1000 VA Pilot Duty each pole 120, 208, 240 VAC
- 2 HP (24 FLA), 120 VAC
- 5 HP (28 FLA), 240 VAC

Operating Temperature Range: -40°F to 130°F (-40°C to 54°C)

Load Center Dimensions: 16 1/2" (41.9 cm) H x 10 7/8" (27.6 cm) W x 4 1/2" (11.43 cm) D

Knockouts:

Bottom: (4) 1/2" - 3/4", (3) 1/2", (2) 3/4" - 1"

Left: (1) 3/4" - 1"

Back: (5) 1/2" - 3/4"

Right: (1) 1 3/4" x 2 3/4" for mounting switches or GFCI

Warranty: 1 year



D.



E.



F.



G.

T40000R Series 125 Amp Control System with Type 3R Load Center



- Comes with an 8/16 circuit breaker base, equipment grounding bar, and mechanical time switch(es)
- Reduces installation costs
- All-in-one electrical load center eliminates the need for additional service panels
- Accepts any combination of PF1000M, P1403ME, P1353ME, P4043ME, P4243ME, T100M, or RC2000M series mechanisms
- Fully compatible with all electrical requirements for pool/spa installations
- GFCI and switch mounting capabilities

Ratings:

Load Center Rating: 125 A max. 120, 240 VAC or 120, 208 VAC single phase, 60 Hz.

Switch Rating:

- 30 A Resistive/Inductive, Tungsten or 1000 VA Pilot Duty each pole 120, 208, 240 VAC
- 2 HP (24 FLA), 120 VAC
- 5 HP (28 FLA), 240 VAC

Operating Temperature Range: -40°F to 130°F (-40°C to 54°C)

Load Center Dimensions:

20 3/4" (52.7 cm) H x 12 3/4" (32.4 cm) W x 4 1/2" (11.43 cm) D

Knockouts:

Bottom: (5) 1/2" - 3/4", (4) 1/2", (2) 3/4" - 1", 1 1/4"

Left: (1) 1/2" - 3/4"

Back: (4) 1/2" - 3/4", (2) 3/4" - 1"

Right: (1) 1 3/4" x 2 3/4" for mounting switches or GFCI

Warranty: 1 year

	Model #	Mechanism(s)	Switch	Mechanism Supply Voltage
D.	T40000R	Load Center	—	—
E.	T40004R	(1) T104M	DPST	240 VAC, 60 Hz
F.	T40404R	(2) T104M	DPST	240/240 VAC, 60 Hz
G.	T40000R4	Load Center with GCFI	—	—

See page 26 for further information on the applicable mechanisms.

Wiring devices may be installed in this load center (order (4) 21T156A standoffs for mounting). See page 64.

For replacement parts, trippers and accessories see page 65.



PB800 and PB900 Series Mechanical Panel Mount Timers



- Automated control for pumps, cleaners, and other types of loads
- 3 different mounting methods
- Quick connect terminals for easy installation

Model #	Switch	Dial	Input Voltage	No. of Trippers	Manual Override
A. PB873MKZ	SPST	7-Day	120 VAC, 60 Hz	56	No
PB913N	SPST	24-Hour	120 VAC, 60 Hz	48	No
B. PB914N	SPST	24-Hour	208-277 VAC, 60 Hz	48	No
PB913N66	SPST	24-Hour	120 VAC, 60 Hz	48	Yes
C. PB914N66	SPST	24-Hour	208-277 VAC, 60 Hz	48	Yes
PB913N84	SPST	24-Hour	120 VAC, 60 Hz	4	Yes
D. PB914N84	SPST	24-Hour	208-277 VAC, 60 Hz	4	Yes

Rating:

Switch Rating:

20 A Resistive, 120-277 VAC
1250 W Tungsten 125 VAC
1 HP (16 FLA), 120 VAC
2 HP (12 FLA), 240 VAC
360 VA Pilot Duty, 120-240 VAC

Timing Cycle: 24-Hour – minimum ON time 1 hour, maximum ON time 23 hours, 30-minute intervals
7-Day – minimum ON time 6 hours, maximum ON time 162 hours, 3-hour intervals

Quick Connect Terminals: (4) ¼" male (2) for load and (2) for independent clock motor

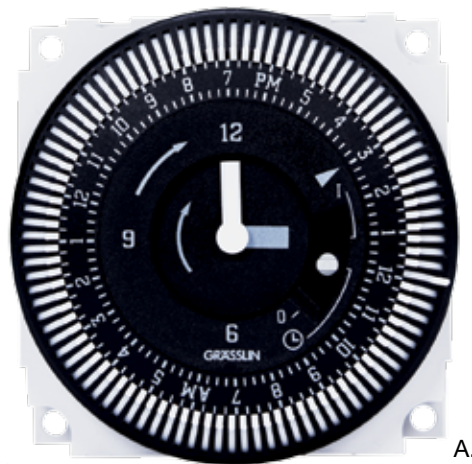
Dimensions: 3 ½" (84.8 cm) H x 2 ⅞" (17.4 cm) W x 1 ⅝" (49.6 cm) D

Warranty: 1 year

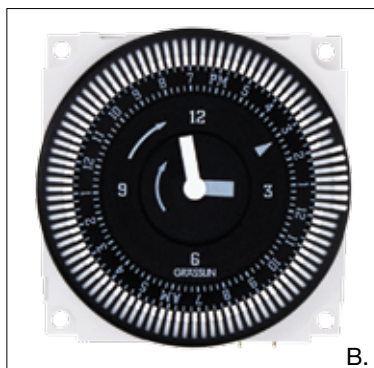
For replacement parts, trippers and accessories, see page 64-65.

The Perfect Fit

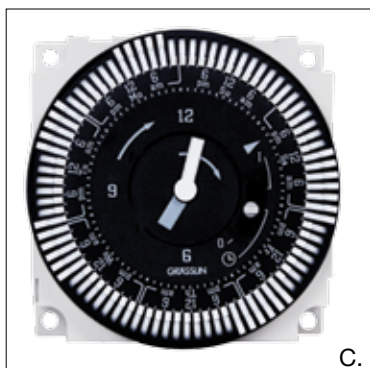
for your Replacement Timer



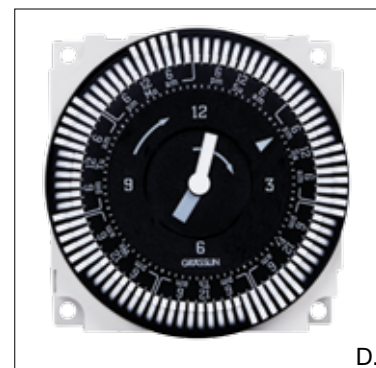
A.



B.



C.



D.

FM1 Series Panel Mount Timer Modules



- 21 Amp SPDT Switch, 1 HP @ 120 VAC, 2 HP @ 250 VAC
- Captive trippers
- 1/4" quick-connect terminals
- Noise resistant - ideal for robust applications
- Available with synchronous drive or quartz drive with battery backup (7-day carryover)
- Easy-to-set true clock face
- Available with manual override (ON/Auto/OFF)
- Compact size fits in small areas

A. 24-Hour (15-Minute ON/OFF Time) with Override

Model #	Input Voltage	Battery Backup
FM1QTUZH-120U	120 VAC	Yes
FM1QTUZH-24U*	12, 24 VAC	Yes
FM1STUZH-120U	120 VAC	No
FM1STUZH220/50	220 VAC (50 Hz)	No
FM1STUZH-240U	208/240 VAC	No
FM1STUZH-24U	24 VAC	No

B. 24-Hour (15-Minute ON/OFF Time) without Override

Model #	Input Voltage	Battery Backup
FM1QTUZH-120U	120 VAC	Yes
FM1QTUZH-240U	208/240 VAC	Yes
FM1QTUZH-24U*	12, 24 VAC	Yes
FM1STUZH-120U	120 VAC	No
FM1STUZH-240U	208/240 VAC	No
FM1STUZH220/50	220 VAC (50 Hz)	No
FM1STUZH-24U	24 VAC	No

C. 7-Day (2-Hour ON/OFF Time) with Override

Model #	Input Voltage	Battery Backup
FM1QWUZH-120U	120 VAC	Yes
FM1QWUZH-240U	208/240 VAC	Yes
FM1QWUZH-BW-24U*	12, 24 VAC	Yes
FM1SWUZH-120U	120 VAC	No
FM1SWUZH-240U	208/240 VAC	No
FM1SWUZH-24U	24 VAC	No

D. 7-Day (2-Hour ON/OFF Time) without Override

Model #	Input Voltage	Battery Backup
FM1QWUZH-120U	120 VAC	Yes
FM1QWUZH-240U	208/240 VAC	Yes
FM1SWUZH-120U	120 VAC	No
FM1SWUZH-240U	208/240 VAC	No
FM1SWUZH-24U	24 VAC	No

Note: Clear plastic cover available (DC-FME-A)

Note: FM1 models with Q suffix are quartz models. FM1 models with S suffix are synchronous models.

*Quartz 24= 12-24 VDC/VAC

Ratings:

Dimensions: 2.36" H x 2.36" W (60 mm H x 60 mm W)

Input Voltage: Synchronous: 24, 120, 208/240 VAC, 60 Hz; 220 Hz, 50Hz
Quartz: 12, 24 VAC/DC, 120, 208/240 VAC 50/60 Hz

Power Consumption: 1 VA

Wire Connections: 1/4" Quick connect

Switch Rating: 21 A Resistive, 120-250 VAC, 1 HP, 120 VAC, 2 HP, 250 VAC, 1350 W Tungsten, 240 VAC

Operating Temperature: Synchronous: -40°F to 185°F (-40°C to 85°C)

Quartz: -4°F to 131°F (-20°C to 55°C)

Looking to add a **low voltage transformer** to control your LEDs?

Intermatic provides the best code-compliant options for your lights.

All Intermatic transformers comply with the NEC Code 680.23 requirements. The code states transformers used for the supply of underwater luminaries must be listed and marked for pool and spa transformer use. Listed pool and spa transformers must comply with UL-379 and CSA TILB44A standards.

Why is it important to comply with the code? Non-compliant transformers increase the likelihood of severe injury and electrocution and raise liability concerns for contractors and installers.

Don't cut corners on your safety. Choose an Intermatic transformer that is NEC code-compliant and meets UL and CSA standards.





Specialty Controls



LED Power Supplies Heaters

Landscape Transformers

Wireless Controls **Fountains**

Pool and Spa Air Controls

Pump and Plumbing Protection

Need a Code-Compliant Transformer for your LEDs?

We've Got the Bright Ideas

NEW


A.



B.

NEW


C.



D.

PX50, PX100, PX300, & PX600 Series Safety Transformers



- Supply 12 volts to pool/spa lights, submersible fixtures, and outdoor garden lights
- Mounting brackets on the top and bottom

3R Beige Steel Enclosure

	Model #	Input Voltage	Output Voltage	Watts
A.	PX50	120 VAC, ½ Amp	12 or 13 VAC	50
	PX100	120 VAC, 1 Amp	12 or 13 VAC	100
	PX300	120 VAC, 3 Amp	12, 13, or 14 VAC	300
B.	PX600	120 VAC, 6 Amp	12, 13, or 14 VAC	600

3R Stainless Steel Enclosure

	Model #	Input Voltage	Output Voltage	Watts
C.	PX50S	120 VAC, ½ Amp	12 or 13 VAC	50
	PX100S	120 VAC, 1 Amp	12 or 13 VAC	100
	PX300S	120 VAC, 3 Amp	12, 13, or 14 VAC	300
D.	PX600S	120 VAC, 6 Amp	12, 13, or 14 VAC	600

Rating:

PX50/S, PX100/S, PX300/S
Size: 7 ¼" (18.4 cm) H x 5 ¼" (13.3 cm) W x 4 ½" (11.4 cm) D

Knockouts:

Bottom: (4) combination ½" – ¾"

Left: (2) combination ½" – ¾"

Back: (2) combination ½" – ¾"

Right: (2) combination ½" – ¾"

PX600/S

Size: 10" (25.4 cm) H x 10" (25.4 cm) W x 5" (12.7 cm) D

Knockouts:

Bottom: (2) combination ½" – ¾", (4) combination ¾" – 1"

Left: (2) combination ½" – ¾"

Back: (2) combination ½" – ¾"

Right: (2) combination ½" – ¾"



E.



F.



G.

T10000RT, T40000RT Series

Control System with Transformer and Power or Load Center



- All-in-one control system
- Easy to wire
- Can house additional Intermatic mechanisms and components
- Heavy-duty Type 3R steel indoor/outdoor power and load centers

Model #	Description	Mechanism Supply Voltage	Watts	Transformer	
				Input Voltage, 60 Hz	Output Voltage
E. T10004RT1	Power Center with T104M	240 VAC	100	120 VAC, 1 Amp	12 or 13 VAC
T10004RT3	Power Center with T104M	240 VAC	300	120 VAC, 3 Amp	12, 13, or 14 VAC
F. T40003RT3	Load Center with T103M	120 VAC	300	120 VAC, 3 Amp	12, 13, or 14 VAC
T40004RT1	Load Center with T104M	240 VAC	100	120 VAC, 1 Amp	12 or 13 VAC
T40004RT3	Load Center with T104M	240 VAC	300	120 VAC, 3 Amp	12, 13, or 14 VAC
G. T40000RT3	Load Center Only	—	300	120 VAC, 3 Amp	12, 13, or 14 VAC
T40604RT3	Load Center with T106M, T104M	240 VAC	300	120 VAC, 3 Amp	12, 13, or 14 VAC

Ratings:

T10000RT Series:

Power Center Rating: 62 A per leg, 168 A max., 120, 240 VAC or 120, 208 VAC single phase, 60 Hz.

Power Center Dimensions:

12" (30.5 cm) H x 12" (30.5 cm) W x 4 1/4" (10.8 cm) D

T40000RT Series:

Load Center Rating: 100 A, 120, 240 VAC or 120, 208 VAC single phase, 60 Hz.

Load Center Dimensions:

20 3/4" (52.7 cm) H x 12 3/4" (32.4 cm) W x 4 1/4" (10.8 cm) D

Switch Rating:

- 30 A Resistive/Inductive, Tungsten or 1000 VA Pilot Duty each pole 120, 208, 240 VAC
- 2 HP (24 FLA), 120 VAC
- 5 HP (28 FLA), 240 VAC

Operating Temperature Range: -40°F to 130°F (-40°C to 54°C)

Warranty: 1 year

Did You Know?

Many transformers that power LEDs do not comply with the NEC Code 680.23 requirements. The code states transformers used for the supply of underwater luminaires must be listed and marked for pool and spa transformer use. Listed pool and spa transformers must comply with UL-379 and CSA TILB44A standards.

Non-compliant transformers increase the potential for severe injury and electrocution and raise liability concerns for contractors and installers.

See page 26 for further information on the applicable mechanisms.

Wiring devices may be installed in this power or load center (order (4) 21T156A standoffs for mounting). See page 64.

For replacement parts, trippers, and accessories see page 65.



PF1100 Series Single-Circuit Freeze Protection Controls



- Protect pool/spa equipment against freeze damage
- Turn pump and heater ON when outdoor temperature drops below user-adjustable setpoint on thermostat

Rating:

Thermostat Range: 33°F to 42°F (0.6°C to 5.5°C)

with 5°F differential

Warranty: 1 year

Thermostat without Mechanism

	Model #	Enclosure	Input Voltage	HP
A.	PF1102M	Thermostat only	240 VAC	3
	PF1103M*	Thermostat only	120/240 VAC	1.5/3
B.	PF1102	Type 3R steel	240 VAC	3
	PF1103*	Type 3R steel	120/240 VAC	1.5/3

Thermostat with Mechanism

	Model #	Enclosure	Input Voltage	HP
C.	PF1102MT	Mechanism only	240 VAC	3
	PF1103MT*	Mechanism only	120/240 VAC	1.5/3
D.	PF1102T	Type 3R steel	240 VAC	3
	PF1103T*	Type 3R steel	120/240 VAC	1.5/3

*Neutral must be installed

For replacement parts, trippers, and accessories, see page 65.

Arm your Pool or Spa with Freeze Protection



E.



F.



G.

Rating:

PF1112T, PF1202T

Power Center Rating: 92 A per leg, 168 A max.

120/ 240 VAC or 120/240 VAC single phase, 60 Hz.

Power Center Dimensions: 12" (30.5 cm) H x

12" (30.5 cm) W x 4 1/4" (10.8 cm) D

PF1222TB1**Load Center Rating:** 85 A max., 120, 240 VAC or 120, 208 VAC single phase, 60 Hz.**Load Center Dimensions:** 20 3/4" (52.7 cm) H x

12 3/4" (32.4 cm) W x 4 1/4" (10.8 cm) D

Thermostat Range: 33°F to 42°F (0.5°C to 5.5°C) with 5°F differential**Switch Rating:**

- 30 A Resistive/Inductive, Tungsten or 1000 VA Pilot Duty each pole 120, 208, 240 VAC

- 2 HP (24 FLA), 120 VAC

- 5 HP (28 FLA), 240 VAC

Warranty: 1 year

PF1100 and PF1200 Series Control System with Freeze Protection and Power or Load Center



- For pools/spas requiring one or two time switches
- Protects pool/spa equipment against freeze damage
- GFCI and switch mounting capabilities
- Turns pump and heater ON when outdoor temperature drops below user-adjustable setpoint on thermostat
- Heavy-duty Type 3R steel indoor/outdoor power and load centers

Model #	Description	Input Voltage	HP	Heater Protection
E. PF1112T	Power Center with (1) Time Switch	240 VAC	3	No
F. PF1202T	Power Center with (2) Time Switches	240 VAC	3	No
G. PF1222TB1*	Load Center with (2) Time Switches	240 VAC	3	Yes

*4/8 Breaker base and heater protection

For replacement parts, trippers and accessories see page 65.

Wiring devices may be installed in this power or load center (order (4) 21T156A standoffs for mounting). See page 64.



A.

RC2103S Air Actuated Remote Control



- Safely controls loads without electricity at a pool/spa
- Type 3R plastic indoor/outdoor enclosure
- Controls one piece of equipment with one air button (button and air hose are not included)

Model #	Switch	Range
A. RC2103S	SPST	100 ft.

Rating:

Input Voltage: 120 VAC, (Line and Neutral) or 240 VAC, (Line 1, and Line 2 and Neutral) 60 Hz.

Switch Rating: 20 A Resistive 120, 240 VAC, 1 HP 120 VAC, 2 HP 240 VAC

Dimensions 4 1/2" (10.5 cm) H x 4 1/2" (10.5 cm) W x 3 3/8" (8.6 cm) D

Warranty: 1 year

Upgrade to MultiWave Wireless Control System

Switch to MultiWave and gain 9 buttons and hundreds of options.
For more information about the MultiWave, turn to page 8.



B.



C.



D.



E.



F.

RC Series Air Switches and Accessories



- For air control equipment
- Replaces existing buttons

Model #	Description	Range	Length
B. RC4G	Air button for gunite spas	100 ft.	—
C. RC6F	Air button - universal	150 ft.	—
D. RC117	Air tubing	—	75 ft.
RC150	Air tubing	—	500 ft.
E. RC122B	Air tubing and RC4G	—	25 ft.
RC127B	Air tubing and RC4G	—	75 ft.
F. RC510	(10) Air tubing coupler	—	—

RC2000 Series

Multi-Function Air Switches with 24-Hour Timer

- Remote control for one or two separate loads
- Multiple ON/OFF settings per day
- Flexible airhose enables operation up to 75 feet (not included)
- Type 3R plastic indoor/outdoor enclosure

Model #	Description	Switch	Input Voltage
G. RC2123PT	Timer with ON/OFF or HIGH/LOW	SPDT	120/240 VAC, 60 Hz
RC2343PT	2-circuit timer with sequential operations	4-function	120/240 VAC, 60 Hz

Rating:

Switch Rating: 20 A Resistive, 120, 240 VAC, 1 HP, 120 VAC, 2 HP, 240 VAC, each circuit

Enclosure Dimensions: 9 3/8" (23.82 cm) H x 5 1/2" (13.97 cm) W x 3 3/4" (9.53 cm) D

Warranty: 1 year



G.

RC2100 Series

Air Switch Control System

- Controls pool/spa combos
- Heater control
- Override timer for spa mode
- (2) PE24VA 24-volt valve actuators
- Heavy-duty Type 3R steel indoor/outdoor load center

Model #	Remote Command	Input Voltage
RC2163BE	1-Air Button	120/240 VAC
H. RC2163BFE	Any SPST switch*	120/240 VAC

*Sold separately

Rating:

Load Center Rating: 100 A, 120, 240 VAC or 120, 208 VAC single phase, 60 Hz.

Filter Pump:

Single Speed Only: 1.5 HP - 120 VAC, 3 HP - 240 VAC

Single or Two Speed: 1 HP - 120 VAC, 2 HP - 240 VAC

Breaker Spaces: 8/16

Number of Actuator Connections: 3

Load Center Dimensions:

16 1/2" (41.9 cm) H x 10 7/8" (27.6 cm) W x 4 1/4" (10.8 cm) D

Warranty: 1 year



H.

For replacement parts, trippers, and accessories, see page 65.

Turn Your Pool Lights On From Any Spot Around Your House



RC600 Series Outdoor Radio Receivers



- Respond to handheld transmitter signals
- For indoor/outdoor use
- Handle a variety of switching applications
- Enable connected loads to be turned ON/OFF remotely

Model #	Description	Switch Rating	Motor Load
A. RC613	Receiver with manual ON/OFF button, 6" leads	15 Amp Resistive 10 Amp (1200W) Tungsten	1 HP, 120 VAC
RC613L	Receiver with manual ON/OFF button (3) 36" leads	15 Resistive 10 Amp (1200W) Tungsten	1 HP, 120 VAC
RC615	Timer interface module	15 Resistive 10 Amp (1200W) Tungsten	1 HP, 120 VAC
B. RC613R	Heavy-duty receiver module	20 Resistive 12.5 Amp (1500W) Tungsten	1.5 HP, 120 VAC 3 HP, 240 VAC

Ratings:
Enclosure: Beige outdoor grade plastic
Maximum Range: 100 ft. See transmitter model RC939
Dimensions: RC613/L, RC615: 4 1/2" (11.4 cm) H x 3" (7.6 cm) W x 1 1/4" (4.0 cm) D
 RC613R: 7 3/4" (19.7 cm) H x 4" (10.7 cm) W x 3 1/2" (8.9 cm) D
Warranty: 1 year



RC939 Handheld 3-Channel Radio Transmitter



- Controls shared pool/spa equipment, including booster pump, blowers, and lights
- Operates up to three RC600 Series receivers

Model #	Description	Range	Battery
C. RC939	3-Channel Radio Transmitter	100 ft.*	CR2D32

**Range depends on many factors including age of battery, proximity of large metal objects, location of receiver, and environmental conditions at the time of transmission.*

Rating:
Dimensions: 2 1/2" (6.35 cm) H x 1 1/4" (3.18 cm) W x 1/2" (1.27 cm) D
Warranty: 1 year



E.



F.



G.

P1100 Series Portable Outdoor Timers



- Control filter pumps
- Turn outdoor decorations and other appliances ON/OFF

	Model #	Description	Plug & Receptacle	Cord Length
E.	P1101	24-Hour timer	5-15	22"
F.	P1121	24-Hour timer	5-15	13"
G.	P1131	Heavy-duty 24-Hour timer with twist-lock plug and receptacle	5L-20	22"

Ratings:

Enclosure: Outdoor grade plastic dimensions: 5" (12.7 cm) H x 5 1/2" (13.97 cm) W x 3 3/4" (9.52 cm) D

Cord: 3 wire, outdoor grade with grounded plug

Timer: 24-Hour with 23 1/2 hour maximum ON time. Two ON, two OFF trippers standard. Accepts up to 12 sets of trippers.

Switch Rating:

P1101 and P1121: 15 A (1800 W), Resistive or Tungsten, 1 HP Air Conditioner, (15 FLA, 90 LRA), Motor Load

P1131: 20 A Resistive, 1 HP, (15 FLA, 90 LRA) Motor Load

Warranty: 1 year

For replacement parts, trippers and accessories, see page 65.

Fountains • Above Ground Pool Pumps
• Above Ground Pool Lights • Landscape Lighting
• Holiday Lighting • Boat Dock Lighting

P1200 Series Two-Circuit Portable Outdoor Timers



- Incorporate a plug-in for a timed circuit and a plug-in for a live circuit
- Built-in GFCI protected circuits and three-prong grounded plug for time switch supply
- Type 3R plastic indoor/outdoor enclosure

	Model #	Photo Control	Plug & Receptacle
H.	P1251P	Yes	5-15
J.	P1261P	No	5-15

Ratings:

Timer: 24-Hour with 23 1/2 hour maximum ON time.

Two ON, two OFF trippers standard. Accepts up to 12 sets of trippers.

Switch Rating:

15 A (1800 W), Resistive or Tungsten, 1 HP (15 FLA, 90 LRA) 120 VAC Motor Load

Enclosure Dimensions: 9 3/8" H x 5 1/2" W x 3 3/4" D

Cord: 3 wire, outdoor grade, 24" with grounded plug

Warranty: 1 year



H.



J.

Photo Control

For replacement parts, trippers and accessories, see page 65.



Does the thought of your **pool or spa freezing** send a chill down your spine?

Arm your pool equipment with the best defense against the cold—Intermatic Freeze Protection.

The watchful eye of an Intermatic Freeze Protector ensures your investment is safeguarded from the most ruthless winter blasts. These durable cold weather protectors turn the necessary equipment on when outdoor temperatures plummet to a user-configured level to keep your pool equipment safe.

Intermatic Freeze Protection provides the extra insurance you need against expensive equipment repairs!

Surge



Heaters *Pool & Spa Control Systems*

Solar Control Systems LED Lighting Systems

Chemical Feed Systems

Salt Chlorine Generators Spa Packs

Variable Speed Pumps

No matter where you live...

Your pool equipment will experience power surges and spikes

The new Intermatic PS3000 and IG1200RC3 surge protectors provide industry-leading protection from power surges and spikes. These unrelenting surge protectors deliver an unmatched 3-year product warranty and a \$7,500 connected equipment warranty. They provide the perfect add-on for your pool and spa equipment.

An estimated \$250-\$500* million dollars a year is lost from property damages caused by power surges. Your new pool pad equipment can cost over \$3,000 to replace.

Don't let a power surge burn a hole in your wallet. Safeguard your pool/spa equipment with a heavy-duty surge protector from Intermatic.

Protects all Pool & Spa

Equipment including... variable speed pumps, salt chlorine generators, and automation

PS3000 Surge Protective Device



- Meets ANSI UL1449 3rd Edition Standards
- 120/240 VAC single split phase SPD for use on a variety of pool equipment
- Green LED Protection Indicator
- Type 4x enclosure
- ½" x 20 threaded nipple (weatherproof and UV resistant)
- TPMOV® Technology
- 3 modes of protection
- 3 leads
- 18" lead length
- 10 gauge leads
- Install at load center or electrical connection
- 3-year, \$7,500 connected equipment warranty



Model #	Service Voltage	SPD Type	Nominal Discharge Current	MCOV*		Wiring Configuration	SCCR**	Voltage Protection Rating (VPR)		
				L-N	L-L			L-N/G	N-G	L-L
PS3000	120/240 VAC	1 or 2	10kA	150V	300V	L1, L2, L/N-G	20kA	600		900

*MCOV Maximum Continuous Operating Voltage

**SCCR Short Circuit Current Rating

IG1200RC3 Plastic Housing



- Meets ANSI UL1449 3rd Edition Standards
- Green LED Protection Indicator
- Type 3R rainproof enclosure
- 5.65" (14.35 cm) H x 4.18" (10.62 cm) W x 3.33" (8.46 cm) D
- 3 modes of surge protection (L1-N, L2-N, L1-L2)
- 3 leads
- 30" lead length
- TPMOV® Technology
- 3-year, \$7,500 connected equipment warranty



Model #	Service Voltage	SPD Type	Nominal Discharge Current	MCOV*	Wiring Configuration	SCCR**	Voltage Protection Rating (VPR)				
							L-N/G	L-N	L-G	N-G	L-L
IG1200RC3	120/240 VAC	1 or 2	20 kA	150 L-N, N-G 300 L-L, L-G	L1, L2, N/GND	50 kA	700				1200

*MCOV Maximum Continuous Operating Voltage

**SCCR Short Circuit Current Rating

A photograph of a hotel lobby. In the foreground, a silver metal luggage cart with a dark, textured platform and four wheels is partially visible. The background shows a brightly lit hallway with a person standing near a wall with vertical wooden slats. The scene is captured in a warm, golden light.

As recognizable as an ice machine
on the fifth floor of a hotel,
Intermatic spring-wound timers

are the regulating force behind many hotel hot tubs. The dependable timers regulate ON duration times for saunas, hot tubs, heat lamps, blowers, thermostats, pool lights, and other high energy-consuming loads. The days of worrying about your guests leaving your spa running all day are gone. Spring-wound timers keep your spa runs on a set schedule, which significantly cuts energy consumption and utility costs. How's that for reliability?

Spring-Wound Timers



Spa Pumps

Patio Fireplaces

Accent Lighting

Fountains

Spa Blowers

Saunas

Patio Heaters

Pool Cleaners

Waterfalls



Ivory No Hold



White With Hold



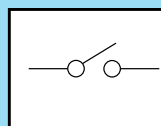
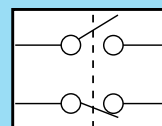
Almond No Hold

FD Decorator Series Auto-Off Timers

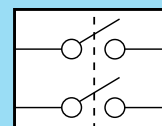


- No electricity required to operate
- Automatically limits ON time for indoor spas, lights, and other energy-consuming loads
- Available in SPDT contact configuration enables switching between pump speeds
- Heavy-duty contact rating for up to 2 HP @ 240 VAC
- Quick and easy installation
- Time-saving up-front terminal connection with teeter-type terminals
- For use with decorator or toggle style switch plates (not included)

Standard Configuration

1 x SPST
Circuit

*See Note

1 x DPST
Circuits

Ivory				Ivory				Ivory			
Model #	Time Cycle	Switch	Hold	Model #	Time Cycle	Switch	Hold	Model #	Time Cycle	Switch	Hold
FD5M	5 Min.	SPST	No	FD4H	4 Hr.	SPST	No	FD36H	6 Hr.	*See Note	No
FD15MC	15 Min.	SPST	No	FD6H	6 Hr.	SPST	No	FD415M	15 Min.	DPST	No
FD15MH	15 Min.	SPST	Yes†	FD6HH	6 Hr.	SPST	Yes†	FD430M	30 Min.	DPST	No
FD30MC	30 Min.	SPST	No	FD12HC	12 Hr.	SPST	No	FD460M	60 Min.	DPST	No
FD30MH	30 Min.	SPST	Yes†	FD12HH	12 Hr.	SPST	Yes†	FD46H	6 Hr.	DPST	No
FD60MC	60 Min.	SPST	No	FD32H	2 Hr.	*See Note	No				
FD60MH	60 Min.	SPST	Yes†	FD34H	4 Hr.	*See Note	No				
FD2H	2 Hr.	SPST	No								

White				White				White			
Model #	Time Cycle	Switch	Hold	Model #	Time Cycle	Switch	Hold	Model #	Time Cycle	Switch	Hold
FD5MW	5 Min.	SPST	No	FD4HW	4 Hr.	SPST	No	FD430MW	30 Min.	DPST	No
FD15MWC	15 Min.	SPST	No	FD6HW	6 Hr.	SPST	No	FD460MW	60 Min.	DPST	No
FD15MHW	15 Min.	SPST	Yes†	FD6HWW	6 Hr.	SPST	Yes†	FD46HWW	6 Hr.	DPST	No
FD30MWC	30 Min.	SPST	No	FD12HWC	12 Hr.	SPST	No				
FD30MHW	30 Min.	SPST	Yes†	FD12HWW	12 Hr.	SPST	Yes†				
FD60MWC	60 Min.	SPST	No	FD32HW	2 Hr.	*See Note	No				
FD60MHW	60 Min.	SPST	Yes†	FD34HW	4 Hr.	*See Note	No				
FD2HW	2 Hr.	SPST	No								

Almond			
Model #	Time Cycle	Switch	Hold
FD15MAC	15 Min.	SPST	No
FD30MAC	30 Min.	SPST	No
FD60MAC	60 Min.	SPST	No

† Hold feature enables auto shut-off override

*1 x SPST N.O. connected to 1 x SPST N.C. Switch can be configured at 1 x SPDT by jumpering input terminals together
Replacement knob information see page 66.

Ratings:

Resistive (heater): 20 A, 125 VAC, 60 Hz., 10 A, 250/277 VAC, 60 Hz.

Not for use with sunlamps, saunas, or loads that could cause personal injury if timed incorrectly

Tungsten (incandescent): 7 A, 125 VAC

Motor: 1 HP, 125 VAC, 60 Hz, 2 HP, 250 VAC, 60 Hz.

Warranty: Limited 1 year

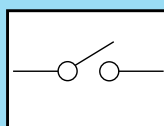
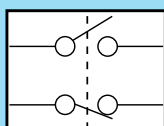


No Hold

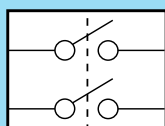


Hold

Standard Configuration

1 x SPST
Circuit

*See Note

1 x DPST
Circuits

FF Commercial Series Auto-Off Timers



- No electricity required to operate
- Automatically limits ON time for indoor spas, lights, and other energy-consuming loads
- Available in SPDT contact configuration, which enables switching between pump speeds
- Heavy-duty contact rating for up to 2 HP @ 240 VAC
- Quick and easy installation
- Time-saving up-front terminal connection with teeter-type terminals
- Brushed metal finish switch plate meets NEC requirements

Hold† Single Pole Single Throw			No Hold Single Pole Single Throw			No Hold Single Pole Double Throw		
Model #	Time Cycle	Switch	Model #	Time Cycle	Switch	Model #	Time Cycle	Switch
FF5MH	5 Min.	SPST	FF5M	5 Min.	SPST	FF315M	15 Min.	*See Note
FF15MH	15 Min.	SPST	FF15MC	15 Min.	SPST	FF330M	30 Min.	*See Note
FF30MH	30 Min.	SPST	FF30MC	30 Min.	SPST	FF360M	60 Min.	*See Note
FF60MHC	60 Min.	SPST	FF60MC	60 Min.	SPST	FF32H	2 Hr.	*See Note
FF6HH	6 Hr.	SPST	FF2H	2 Hr.	SPST	FF34H	4 Hr.	*See Note
FF12HHC	12 Hr.	SPST	FF4H	4 Hr.	SPST	FF36H	6 Hr.	*See Note
FF32HH	2 Hr.	*See Note	FF6H	6 Hr.	SPST	FF312H	12 Hr.	*See Note
FF34HH	4 Hr.	*See Note	FF12HC	12 Hr.	SPST	No Hold Double Pole Single Throw		
FF312HH	12 Hr.	*See Note				Model #	Time Cycle	Switch
						FF415M	15 Min.	DPST
						FF430M	30 Min.	DPST
						FF460M	60 Min.	DPST
						FF46H	6 Hr.	DPST
						FF412H	12 Hr.	DPST

† Hold feature enables auto shut-off override

*1 x SPST N.O. connected to 1 x SPST N.C. Switch can be configured at 1 x SPDT by jumpering input terminals together
Replacement knob information see page 66.

Ratings:

Resistive (heater): 20 A, 125 VAC, 60 Hz, 10 A, 250/277 VAC, 60 Hz.

Tungsten (incandescent): 7 A, 125 VAC

Motor: 1 HP, 125 VAC, 60 Hz., 2 HP, 250 VAC, 60 Hz.

Warranty: Limited 1 year

Not for use with sunlamps, saunas, or loads that could cause personal injury if timed incorrectly

Are Your Outdoor Pool Outlets **Up to Code?**

The national electrical code requirements for swimming pools states that you must have a GFCI protected outlet within range of outdoor in-ground pools. The outlet must also have a suitable weatherproof cover.

Intermatic offers a complete line of weatherproof covers that comply with the strict electrical code standards.

Maybe the WP3100C Plastic In-Use Cover is what you need? It boasts 3 snap-together rotating inserts that create 16 combinations.

Need a double-gang plastic cover? Try the WP1220C plastic in-use cover that boasts 6 snap-together rotating inserts that create 70 combinations.

Whatever your pool/spa receptacle needs require, Intermatic always has you covered!

Weatherproof Covers



Pool Outlets

Spa Outlets

Outdoor Lighting Outlets

Control Enclosure Outlets

Portable Hot Tub Outlets

Circuit Breaker Panel Outlets



A.



B.



C.



D.



E.

Plastic In-Use Covers Single-Gang



- Complies with 2011 NEC Article 406.9 (B1)
- Heavy-duty polycarbonate construction
- Vertical/horizontal hinge configuration
- Pre-adhered gasket
- Meets Cold Impact Testing requirements at -60°F (-51°C)
- Packaged with 3 patented inserts for GFCI, duplex, toggle, or round receptacles
- Limited 1-year warranty

Model #	Flexi-Guard Inserts	Cord Diam.	Max. Cord Gauge	Depth	Color	Lockable Hasp Diam.
A. WP3100C*	WP17	0.5"	(2) 14 or (1) 12 Gauge	2 3/4"	Clear	For .125" lock
B. WP3103C**	WP17	0.5"	(2) 14 or (1) 12 Gauge	2 3/4"	Clear	For .125" lock
C. WP1100C	WP17	0.5"	(2) 14 or (1) 12 Gauge	2 3/4"	Clear	For .250" lock
D. WP1100WC	WP17	0.5"	(2) 14 or (1) 12 Gauge	2 3/4"	White	For .250" lock
WP1110C	WP17	0.5"	(2) 14 or (1) 12 Gauge	3 5/8"	Clear	For .250" lock
E. WP1110GC	WP17	0.5"	(2) 14 or (1) 12 Gauge	3 5/8"	Gray	For .250" lock
WP1110WC	WP17	0.5"	(2) 14 or (1) 12 Gauge	3 5/8"	White	For .250" lock

*Hidden hinge

**Includes 3/0 Adapter Plate for 3" Round Box



F.



G.



H.



J.



K.



L.



M.

Hinge Configuration Vertical

	Model #	Flexi-Guard Inserts	Cord Diam.	Depth	Color
F.	WP1000C	WP17	0.5"	2 ¼"	Clear
G.	WP1000GC	WP17	0.5"	2 ¼"	Gray
H.	WP1010C	WP17	0.5"	3 ⅞"	Clear
J.	WP1000WC	WP17	0.5"	2 ¼"	White

Hinge Configuration Horizontal

	Model #	Flexi-Guard Inserts	Cord Diam.	Depth	Color
K.	WP1000HC	WP17	0.5"	2 ¼"	Clear
L.	WP1000HGC	WP17	0.5"	2 ¼"	Gray
M.	WP1010HC	WP17	0.5"	3 ⅞"	Clear

Plastic In-Use Covers

- Complies with 2011 NEC Article 406.9 (B1)
- Heavy-duty polycarbonate construction
- Vertical and horizontal mount
- Meets Cold Impact Testing requirements at -60°F (-51°C)
- Limited 1-year warranty



A.



B.



C.



D.



E.

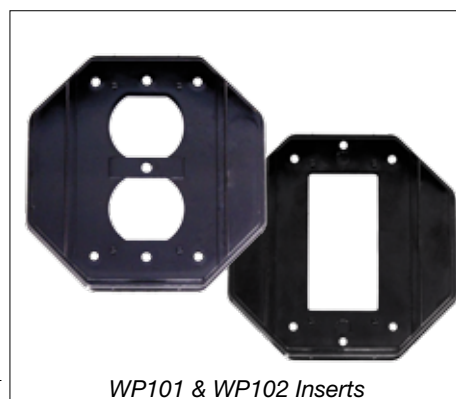
Plastic In-Use Covers Double-Gang or Single-Gang



- Complies with 2011 NEC Article 406.9 (B1)
- Heavy-duty polycarbonate construction
- Vertical hinge configuration
- Pre-adhered gasket
- 3 inserts for GFCI, duplex, toggle, or round receptacles
- Meets Cold Impact Testing requirements at -60°F (-51°C)

Model #	Flexi-Guard Inserts	Cord Diam.	Max. Cord Gauge	Depth	Color
A. WP1020C	WP101 & WP102	0.5"	(2) 14 or (1) 12 Gauge	2 ¼"	Clear
B. WP1020GC	WP101 & WP102	0.5"	(2) 14 or (1) 12 Gauge	2 ¼"	Gray
C. WP1020WC	WP101 & WP102	0.5"	(2) 14 or (1) 12 Gauge	2 ¼"	White
D. WP1030C	WP101 & WP102	0.5"	(2) 14 or (1) 12 Gauge	3 ¼"	Clear
E. WP1050	WP101 & WP102	0.8"	(2) 14 or (1) 10 Gauge	4 ¾"	Clear

Note: Lockable hasp accepts up to .125" (3.175 mm) diameter shank



WP101 & WP102 Inserts



F.



G.



H.



J.



K.



L.

Plastic In-Use Covers Double-Gang



- Complies with 2011 NEC Article 406.9 (B1)
- Heavy-duty polycarbonate construction
- Vertical hinge configuration
- Pre-adhered gasket
- 3 inserts for GFCI, duplex, toggle, or round receptacles
- Meets Cold Impact Testing requirements at -60°F (-51°C)

Model #	Flexi-Guard Inserts	Cord Diam.	Max. Cord Gauge	Depth	Color
F. WP1150C	WP17	0.8"	(2) 14 or (1) 10 Gauge	4 ¾"	Clear
G. WP1220C	WP217	0.5"	(2) 14 or (1) 12 Gauge	2 ¼"	Clear
H. WP1220GC	WP217	0.5"	(2) 14 or (1) 12 Gauge	2 ¼"	Gray
J. WP1220WC	WP217	0.5"	(2) 14 or (1) 12 Gauge	2 ¼"	White
K. WP1230C	WP217	0.5"	(2) 14 or (1) 12 Gauge	3 ⅞"	Clear
L. WP1250C	WP217	0.8"	(2) 14 or (1) 10 Gauge	4 ¾"	Clear

Note: Lockable hasp accepts up to .125" (3.175 mm) diameter shank

{ 9 Buttons }
Hundreds of Options
MultiWave



INTERMATIC®



Enclosures and Accessories



Chemical Resistant

Pump Timers

Weather Resistant

Solar Controllers ***Pools*** Air Switches Spas

Corrosion Resistant ***Chemical Feeders***

Indoor/Outdoor Installations



A.



Indoor Steel Enclosure

Type 1 Enclosure

- Drawn steel with gray powder coat paint finish
- Combination 1/2" and 3/4" nominal knockouts with one on back and each side of enclosure, and two on bottom
- Convenient mounting holes
- Lockable hasp holds door closed

Model #	Color	H x W x D
A. 2T2040GA	Gray	7 3/4" x 5" x 3"

Available for T100, PE100, P1200, P1000, P7000, PF1100, & RC2000 Series, along with P4043ME, & P4243M



B.



Outdoor Steel Enclosures

Type 3R Rainproof Enclosures

- Drawn steel with gray or beige powder coat paint finish
- Combination 1/2" - 3/4" nominal knockouts with one on back and each side of enclosure, and two on bottom
- Separate grounding terminal
- Convenient mounting holes
- Lockable hasp holds door closed

Model #	Description	Color	H x W x D
B. 2T511GA	For Time Switch Models That Snap into Enclosures	Gray	9 3/8" x 5 1/2" x 3 5/8"
C. 2T2485GA	For Time Switch Models That Snap into Enclosures	Beige	9 3/8" x 5 1/2" x 3 5/8"
2T2331GA	For Time Switch Models with Carryover	Gray	9 3/8" x 5 1/2" x 3 5/8"

**Available for T100, PE100, P1200, P1000, P7000, PF1100, & RC2000 Series, along with P4043ME, & P4243M*



C.





Outdoor Plastic Enclosures

Type 3R Rainproof Enclosures

- Heavy-duty industrial grade plastic
- Perfect for high humidity and dust environments
- Combination $\frac{1}{2}$ " and $\frac{3}{4}$ " nominal knockouts with one on back and each side of enclosure, and two on bottom
- Lockable hasp holds door closed

Model #	Description	H x W x D
D. 2T2500GA	Gray	9 $\frac{3}{8}$ " x 5 $\frac{1}{2}$ " x 3 $\frac{3}{4}$ "
E. 2T2502GA	Beige	9 $\frac{3}{8}$ " x 5 $\frac{1}{2}$ " x 3 $\frac{3}{4}$ "
F. 2T2926A	Gray with see-through window	9 $\frac{3}{8}$ " x 5 $\frac{1}{2}$ " x 3 $\frac{3}{4}$ "

Available for T100, PE100, P1200, P1000, P7000, PF1100, & RC2000 Series, along with P4043ME, & P4243ME



D.



E.



F.



E.

GRÄSSLIN

Indoor Plastic Enclosures

E150 Type 1 Enclosure

- Lockable hinged door with latch
- Provisions for mounting ANY Grässlin time control
- Five ½" – ¾" knockouts. One on each side, two on the bottom, and one on back.

Model #	H x W x D
E. E150	10" x 6.5" x 3.75"



F.

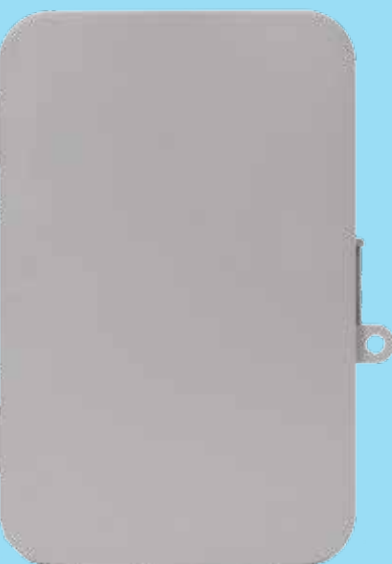
GRÄSSLIN

Outdoor Plastic Enclosures

E200 Type 3R Rainproof Enclosure

- Lockable hinged door with latch
- Provisions for mounting ANY Grässlin time control
- Five ½" and ¾" knockouts with one on each side, two on the bottom, and one on back

Model #	H x W x D
F. E200	10" x 6.5" x 3.75"



G.

E300 Compact Type 3R Rainproof Enclosure

- Lockable hinged door with latch
- Provisions for mounting Grässlin timer modules
- Five ½" and ¾" knockouts with one on each side, two on the bottom, and one on back

Model #	H x W x D
G. E300	8.795" x 6.631" x 2.935"

Meet the New Standard For Junction Boxes



D.



E.

PJB Series Light Junction Boxes



- For underwater luminaries
- Safe and reliable connection for up to four lights
- Accommodates flexible cords from #16-3 to #10-3 and non-metallic conduits from 1/2" to 1"
- Watertight, multi-fixture enclosure
- Easy access groundbar
- 1-year warranty

	Model #	Light Connections	Dimensions L x W x D
D.	PJB2175	2	7" (17.78 cm) x 3" (7.62 cm) x 4" (10.16 cm)
E.	PJB4175	4	7 1/2" (19.05 cm) x 4 3/4" (12.01 cm) x 5" (12.7 cm)

Accessory

- F. PA114 Wall/Post mounting bracket (sold separately)



F.



A.

PA600 Emergency Shut-Off Switch

- Fits in single-gang junction box
- Rated for outdoor installation
- Disconnects electrical equipment from its power source in case of emergency

	Model #	Voltage
A.	PA600	120/240 VAC

Ratings:

Electrical Rating: 1 HP, 120 VAC, 3 HP, 240 VAC, 20 A Resistive, 120, 240 VAC DPST

Housing: Electrical grade plastic

Faceplate: Beige powder coated steel



B.

156T4042A Fireman's Switch

- Coordinated control for heaters and filter pumps
- Turns OFF gas heater before filter pump shuts down to extend heater life

	Model #	Switch Rating
B.	156T4042A	10 Amp, 250 VAC Maximum



C.

21T166A & 21T156A Standoff Posts

- Great for mounting toggle switches and GFCIs inside any Intermatic pool/spa power or load center
- Connects to back panel of power and load centers

	Model #	Quantity
C.	21T166A	2
	21T156A	4



D.

22T904A Back-Feed Retainer Kit

- Additional fastener/retainer kit is required per NEC Article 408.36 (F) -2005

	Model #
D.	22T904A

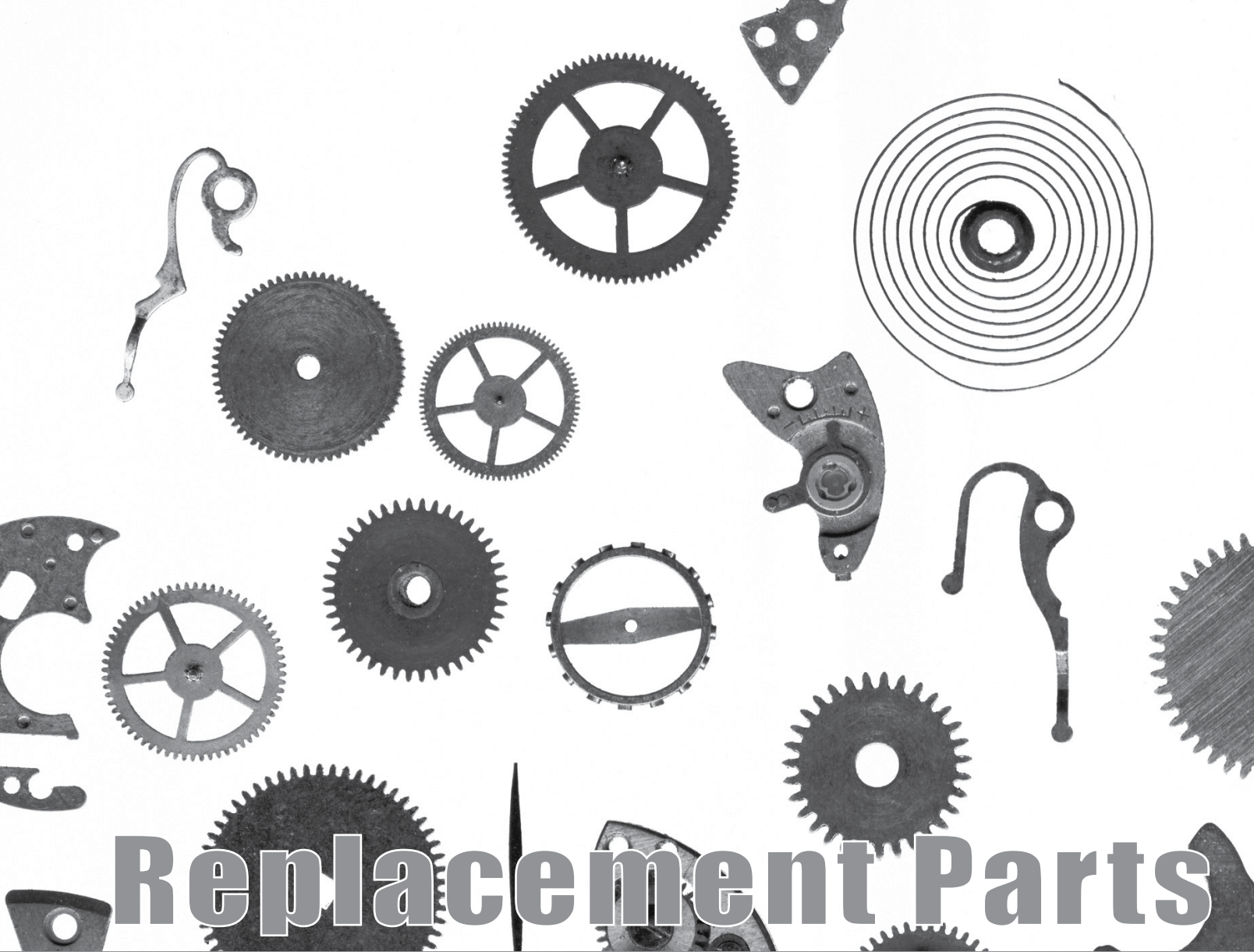
Accessories



	Model #	Description	Used With
A.	124T1948	Insulator for T101 & T102 Series - Clear	T101 and T102 Series Time Switches
	124T1952	Insulator for T103 & T104 Series - Clear	T103 and T104 Series Time Switches
B.	124T2411A	(10) Insulators for T100 Series - Black, Rigid	T100 Series Time Switches
C.	143T135	DPST Relay with 240 VAC Coil	PF1102 and PF1200 Series
D.	143T136	DPST Relay with 120 VAC Coil	PF1103 Series, RC2200E Series, RC613R, P7103ME
E.	143RC151	DPST Relay with 24 VDC Coil	RC2100FE and RC2100E Series
F.	156PB10398A	2 ON and 2 OFF Trippers	P1100 Series, P1261P, and PB913N84 Series
G.	156T1978A	1 ON and 1 OFF Tripper	T100 Series Time Switches
H.	156T6738A	(10) Insulators for Time Switch Manual Lever	T100 Series Time Switches
J.	22T338GR	Snap-In Time Switch Mounting Bracket	All Pool/Spa Enclosures and T100 Series Time Switches
K.	PA115	(25) OFF Trippers and Screws	T100 Series Time Switches
L.	WG1570-10D	120 VAC Clock Motor	T100 Series Time Switches
M.	WG1573-10D	208-277 VAC Clock Motor	T100 Series Time Switches

Model #	Description
Spring Wound Timers	
146MT573	Small ivory knob
146MT574	Small white knob
146MT575	Small almond knob
146MT577	Large white knob
146MT579	Large black knob
148FD5024	Plate for FF5MH
148FD5025	Plate for FF5M
148FD5029	Plate for FF60MH
148FD5030	Plate for FF6H, FF36H and FF46H
148FD5031	Plate for FF6HH
148FD5032	Plate for FF12H, FF312H and FF412H
148FD5033	Plate for FF12HH and FF312HH
148FD5034	Plate for FF2H and FF32H
148FD5035	Plate for FF32HH
148FD5036	Plate for FF4H and FF34H
148FD5037	Plate for FF34HH
148FD5038	Plate for FF30MH
148FD5039	Plate for FF15MH
148FD5052	Plate for FD5MW
148FD5054	Plate for FD15MHW
148FD5056	Plate for FD30MHW
148FD5059	Plate for FD6HW and FD46HW
148FD5060	Plate for FD6HHW
148FD5061	Plate for FD12HW and FD312HW
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148FD5063	Plate for FD2HW and FD32HW
148FD5064	Plate for FD5M
148FD5066	Plate for FD15MH
148FD5068	Plate for FD30MH
148FD5070	Plate for FD60MH
148FD5071	Plate for FD6H, FD36H and FD46H
148FD5072	Plate for FD6HH
148FD5073	Plate for FD12H
148FD5075	Plate for FD2H and FD32H
148FD5076	Plate for FD4H and FD34H
148FD5077	Plate for FD15MAC
148FD5078	Plate for FD30MAC
148FD5079	Plate for FD60MAC
148FD5080	Plate for FD4W and FD34HW
FD12HHP	Plate for FD12HH
FD15MP	Plate for FD15M and FD415M
FD15MPW	Plate for FD15MW
FD30MP	Plate for FD30M and FD430M
FD30MPW	Plate for FD30MW and FD430MW
FD60MP	Plate for FD60M, FD360M and FD460M
FD60MPW	Plate for FD60MW and FD460MW
FF15MP	Plate for FF15M, FF315M and FF415M
FF30MP	Plate for FF30M, FF330M and FF430M
FF60MP	Plate for FF60M, FF360M and FF460M
Grässlin by Intermatic	
22--00012	4" Metal DIN Rail
DC-FME-A	Clear dust cover for Grässlin FM Mechanical
FM-FU	FM1 Flush mount housing kit
FM-SU	FM1 Surface/DIN Rail Kit

Model #	Description
Pool and Spa	
119T267	Transformer – 100 Watt
119T340	Transformer – 300 Watt
124T2530A	8-pole buss bar assembly
124TP2608A	4-pole buss bar assembly
133RC1144	Pressure sensing momentary air switch 3 A
143PS307	DPST relay with 24 VDC coil
143RC126	Bi-Stable Relay SPDT, 1 H.P.-120 VAC, 2 HP - 240 VAC
143RC140	Four function stepper relay
143T145A	Double pole single throw relay with 24VDC coil
156PA13713A	½" non-metallic hub kit for direct connection to underwater pool lights
156PA13714A	¾" non-metallic hub kit for direct connection to underwater pool lights
156PA13715A	1" non-metallic hub kit for direct connection to underwater pool lights
156PA14336A	½" metallic hub kit for direct connection to underwater pool lights
178T24	Standoff posts (4)
24T5265A	Snap-in bracket for (2) wiring devices
CA8700	CA USB stick
PA102	Replacement thermostat relay assembly for PF1202T and PF1222TB
PA117	Replacement latch kit
PA120	Double pole single throw relay with 24 VAC coil
PE650	Wireless I-Wave panel mount receiver for P1353ME and/or P4243ME mechanisms (PE950 transmitter required)
P178PA28A	Freeze protection thermostat for P1353ME digital control



Replacement Parts

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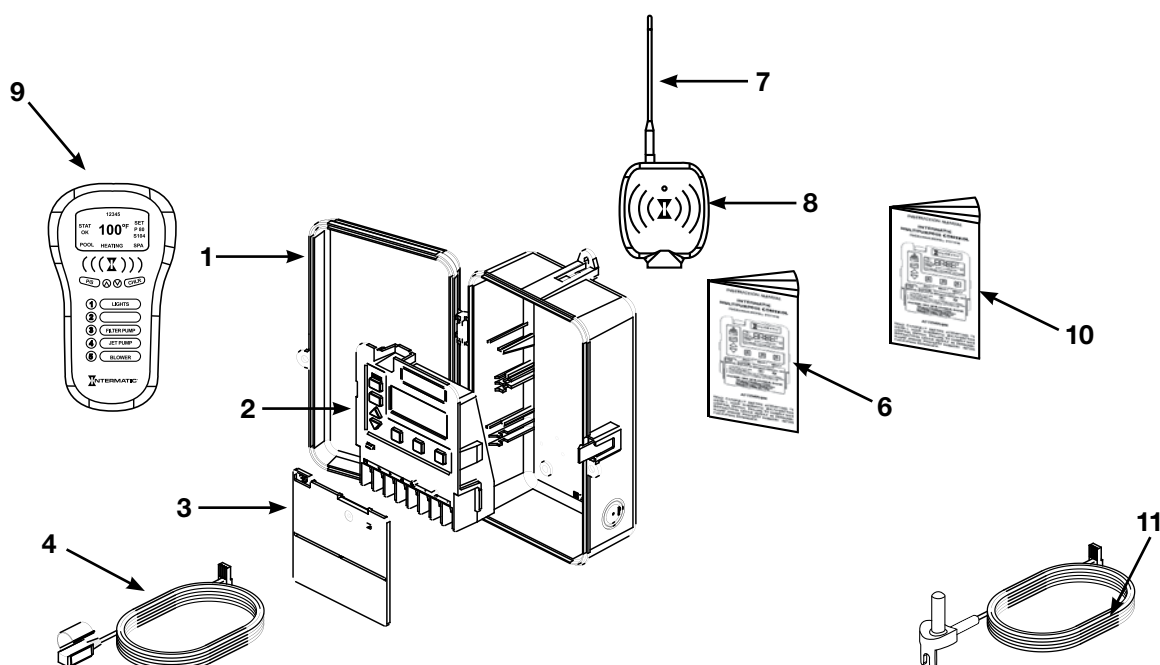
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For additional information please visit www.intermatic.com.

PE153 Series Electronic Controls

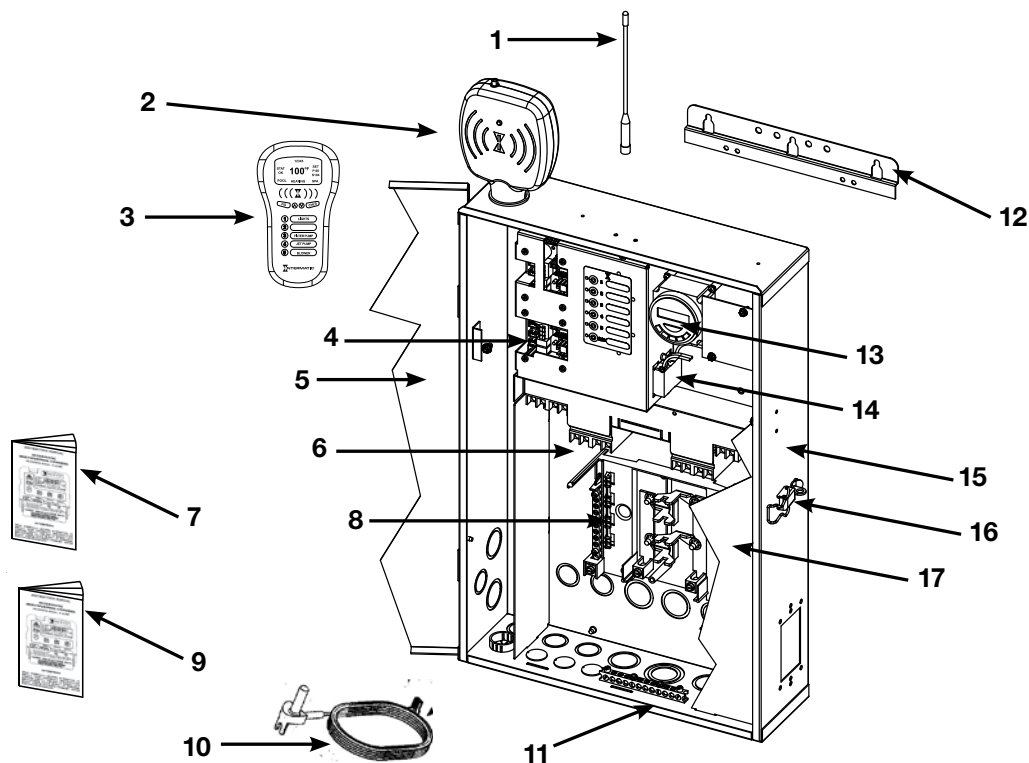
Model No.	Item No. 1	Item No. 4	Item No. 5	Item No. 7	Item No. 8	Item No. 9	Item No. 10	Item No. 11
PE153	2T2485GA	No	No	No	No	No	No	No
PE153F	2T2485GA	Yes	No	No	No	No	No	No
PE153P	2T2502GA	No	No	No	No	No	No	No
PE153PF	2T2502GA	Yes	No	No	No	No	No	No
PE153PW	2T2502GA	No	Yes	No	No	No	No	No
PE153PWF	2T2502GA	Yes	Yes	No	No	No	No	No
PE153RC	2--00027A	No	No	Yes	Yes	Yes	Yes	Yes



Item No.	Description	Part No.	Shipping Weight (lb.)	*List Price (\$)
1	Enclosure	See table above.	3.0	92.27
2	3-Circuit Timer Mechanism	P1353ME	5.0	350.15
3	Insulator - Terminals	124--00066	0.5	16.91
4	Thermostat - Freeze Protection	178PA28A	1.5	87.74
5	Wired Remote (No longer available)	133PE1484A	5.0	
6	Instruction Booklet - P1353ME	158PE12523	0.3	9.25
7	Antenna for PE950	214PE36	0.5	32.40
8	Receiver (Antenna included)	PE650	1.5	286.00
9	Hand Held Transmitter	PE953	1.5	313.24
10	Instruction Booklet - PE650/950	158--00700	0.3	9.25
11	Water Probe	PA122	1.2	69.83

* Prices are subject to change without notice

PE1501RC Wireless Pool-to-Spa/Water Feature Control **PE1541RC Wireless Pool-to-Spa/Water Feature Control** **with (2) PE24VA Valve Actuators**

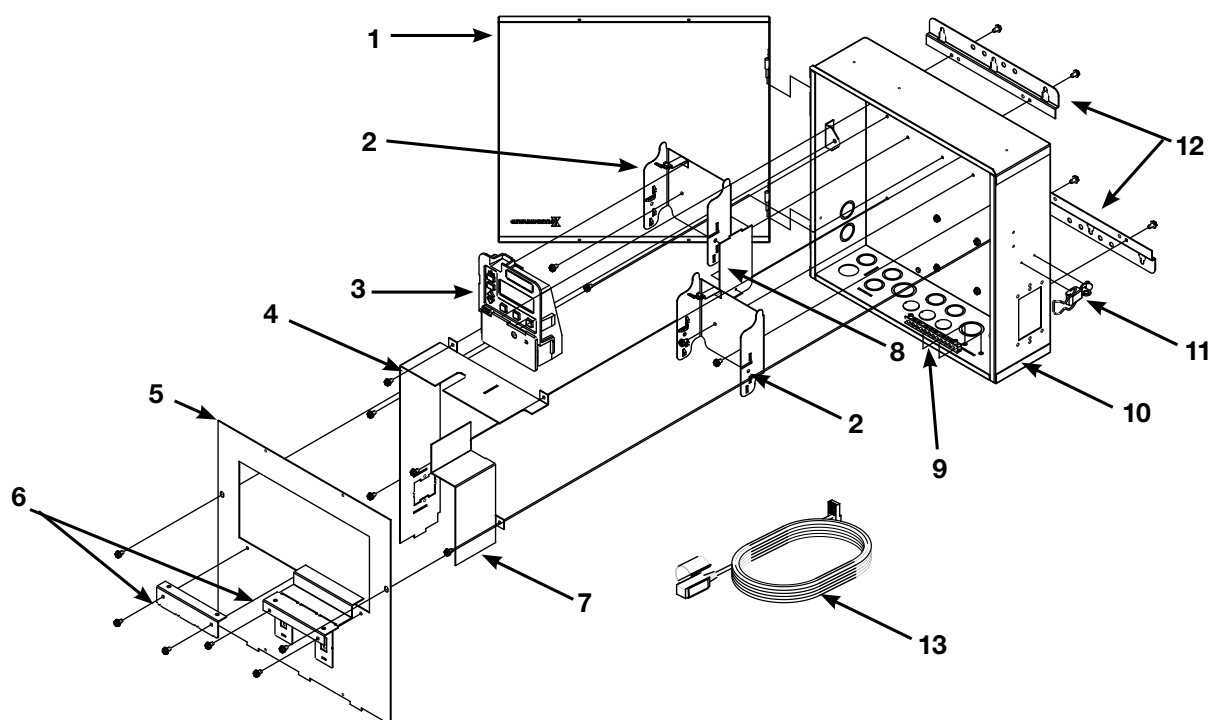


Item No.	Description	Part No.	Shipping Weight (lb.)	*List Price (\$)
1	Antenna for PE650	214PE36	0.5	32.40
2	Receiver (Antenna included)	PE650	1.5	286.00
3	Hand Held Transmitter	PE950	1.5	313.24
4	PC Board assembly	188--00021A	1.0	209.19
5	Cover - Enclosure	6PE2816A-WWH	5.0	73.42
6	Relay	143PS307	0.5	38.40
7	Instruction Booklet PE650/950	158--00700	0.3	9.25
8	Buss Bar Assembly	124T2530A	1.5	41.79
9	Instruction Manual PE1541RC	158PE12842	0.5	9.25
10	Water Probe	PA122	1.2	69.80
11	Terminal Bar - Grounding	130T1042	0.5	7.37
12	Bracket - Enclosure, each	22T713	1.0	4.10
13	Timer	PB313EK	1.0	61.36
14	Transformer	119PE661A	1.5	62.00
15	Case - Enclosure	2PE3450A-WWH	7.5	141.50
16	Latch - Case	8--00008A	0.3	8.05
17	Plate - Deadfront	24PE6194-WWH	5.0	64.64

* Prices are subject to change without notice

PE15300 Series Electronic Control Centers

Model No.	Item No. 3	Item No. 13
PE10000	None	None
PE15300	P1353ME	None
PE15300F	P1353ME	178PA28A

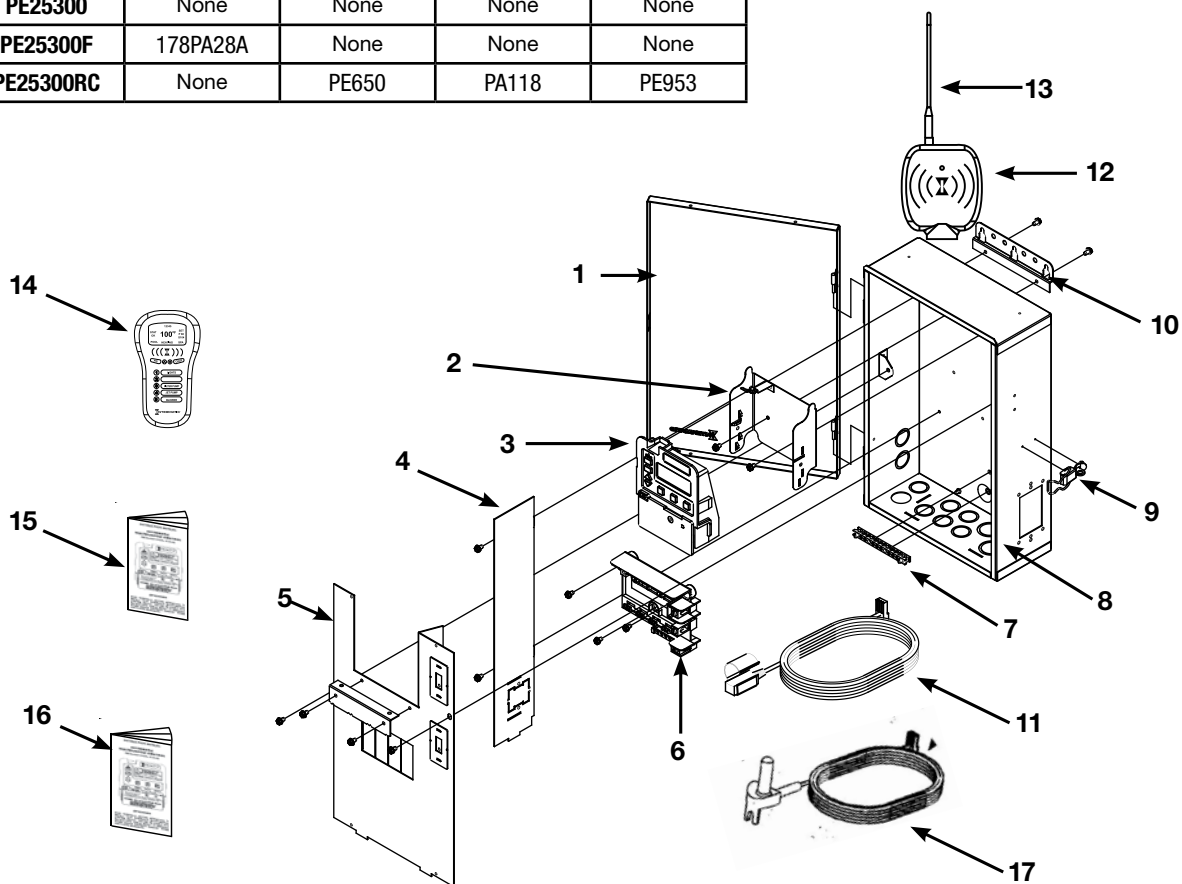


Item No.	Description	Part No.	Shipping Weight (lb.)	*List Price (\$)
1	Cover	6PE2817A-WWH	3.5	51.80
2	Bracket - Timer	22T720A	0.8	10.61
3	3 Circuit Timer Mechanism	P1353ME	1.5	350.15
4	Plate - Barrier	24PE6280-WWH	1.5	25.40
5	Plate - Dead Front	24PE6037-WWH	3.5	35.60
6	Plate - Filler	24PE6035-WWH	0.8	7.10
7	Plate - Divider	24PE6279-WWH	0.8	8.40
8	Plate - Barrier, Vertical	24PE6056-WWH	0.5	4.10
9	Terminal Bar - Grounding	130T1042	0.5	7.37
10	Case - Enclosure	2PE3467A-WWH	4.0	109.70
11	Latch - Enclosure	8--00008A	0.3	8.05
12	Bracket - Enclosure Each	22T713	1.0	4.10
13	Thermostat - Freeze Protection	See Table Above	1.5	87.74
14	Instruction Booklet P1353ME	158PE12523	0.3	9.25

* Prices are subject to change without notice

PE20000 Series Electronic Control Centers

Model No.	Item No. 11	Item No. 12	Item No. 13	Item No. 14
PE20000	None	None	None	None
PE25300	None	None	None	None
PE25300F	178PA28A	None	None	None
PE25300RC	None	PE650	PA118	PE953

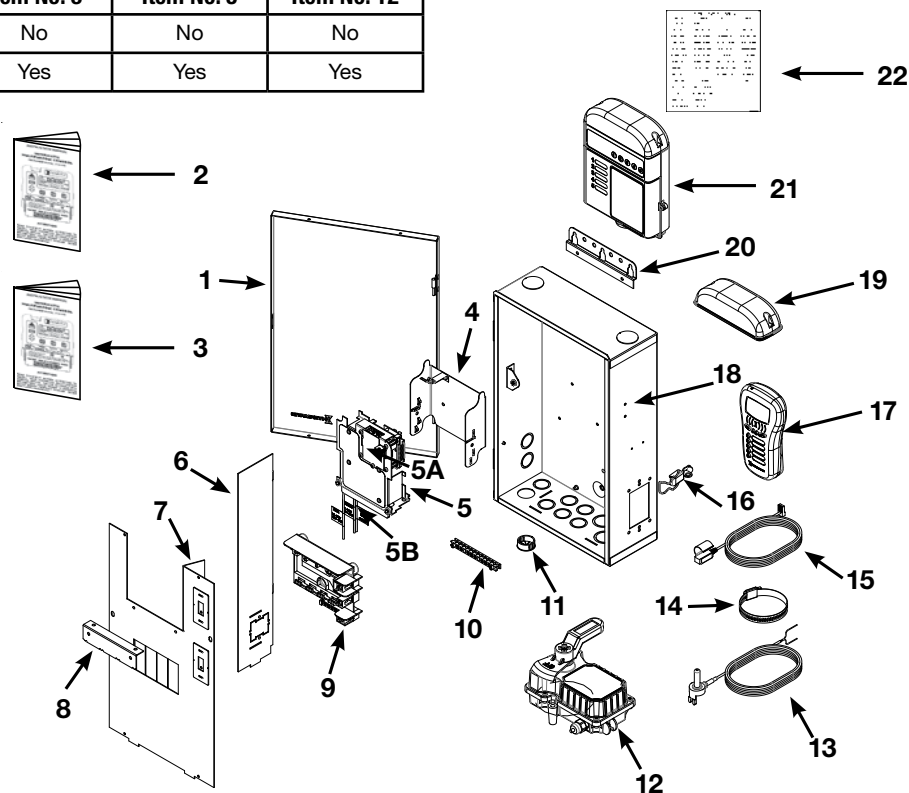


Item No.	Description	Part No.	Shipping Weight (lb.)	*List Price (\$)
1	Cover - Enclosure	6RC2344A	3.0	36.60
2	Bracket - Timer	22T338GR	0.8	10.61
3	3 Circuit Timer Mechanism	P1353ME	1.5	350.15
4	Plate - Barrier	24PE6034-WWH	1.5	18.44
5	Plate - Dead Front	24PE6103-WWH	2.0	33.94
6	Breaker Base	124TP2608A	1.5	38.26
7	Terminal Bar - Grounding	130T1042	0.5	7.37
8	Case - Enclosure	2PE3474A-WWH	4.0	77.48
9	Latch - Case	8--00008A	0.3	8.05
10	Bracket - Enclosure	22--00043-WWH	0.8	4.10
11	Thermostat - Freeze Protection	See Table Above	1.5	87.74
12	Receiver (Antenna Included)	PE650	1.5	286.00
13	Antenna for PE950	214PE36	0.5	32.40
14	Hand Held Transmitter	PE953	1.5	313.24
15	Instruction Booklet P1353ME	158PE12523	0.3	9.25
16	Instruction Booklet PE650/950	158--00700	0.3	9.25
17	Water Probe	PA122	1.2	69.80

* Prices are subject to change without notice

PE20000RC Series Control Systems

Model No.	Item No. 3	Item No. 5	Item No. 12
PE20065RC	No	No	No
PE24065RC	Yes	Yes	Yes

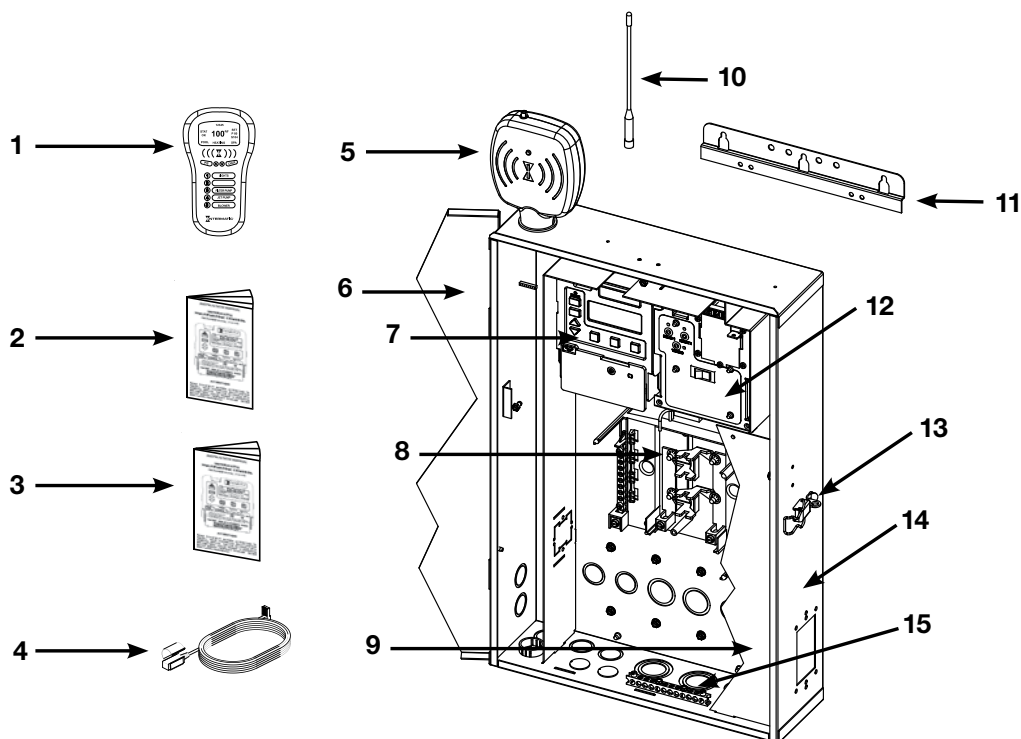


Item No.	Description	Part No.	Shpg. Wt. (lb)	*List Price (\$)
1	Cvr Assy-10X16	6RC2344A	3.1	36.60
2	Instrn. Manual - PE653RC	158--00973	0.3	38.80
3	Instrn. Sht - P4043ME	158--00993	0.5	1.50
4	Brkt Assy - Mtg,Timer	22T338GR	0.8	10.61
5	Valve Actuator Control	P4043ME	3.5	247.07
5A	PC Board Assembly	188--00021A	1.0	209.19
5B	Transformer	119--00065A	2.2	60.75
6	Plt-Pntd,Dvdr	24PE6034-WWH	1.5	18.44
7	Plt-Pntd, Deadfront	24PE6103-WWH	2.1	33.94
8	Plt-Pntd,Filler	24PE6035-WWH	0.5	8.60
9	Insltr-Bus Bar	124TP2608A	1.5	38.26
10	Terminal Bar - Gnd	130T1042	0.3	7.37
11	Insltr - Grommet	124PA2545	0.1	3.56
12	24 Volt Valve Actuator	PE24VA	3.5	122.58
13	Water Probe	PA122	1.2	69.83
14	Clamp - Hose, 2- 1/16" X 3"	36--00001	0.3	6.40
15	Thermostat - Freeze Prot.	178PA28A	1.5	87.74
16	Latch - Enclosure	8--00008A	0.3	8.05
17	Wireless Remote Control	PE953	0.7	298.33
18	Case Assy	193PE339A	4.0	77.48
19	Cover Kit	156--01588	0.5	17.45
20	Mntg. Bracket - Enclosure	22--00043	0.5	4.10
21	Wireless Receiver	PE653	2.6	381.09
22	Label Cluster-Controls	154PE24947	0.1	7.50

* Prices are subject to change without notice

PE30000 Electronic Pool, Spa, and Pool-to-Spa Controls

Model No.	Item No. 1	Item No. 3	Item No. 4	Item No. 5	Item No. 7	Item No. 10	Item No. 12
PE30000	No	No	No	No	No	No	No
PE35300	No	No	No	No	Yes	No	No
PE35300RC	Yes	Yes	Yes	Yes	Yes	Yes	No
PE35343RC	Yes	Yes	Yes	Yes	Yes	Yes	Yes

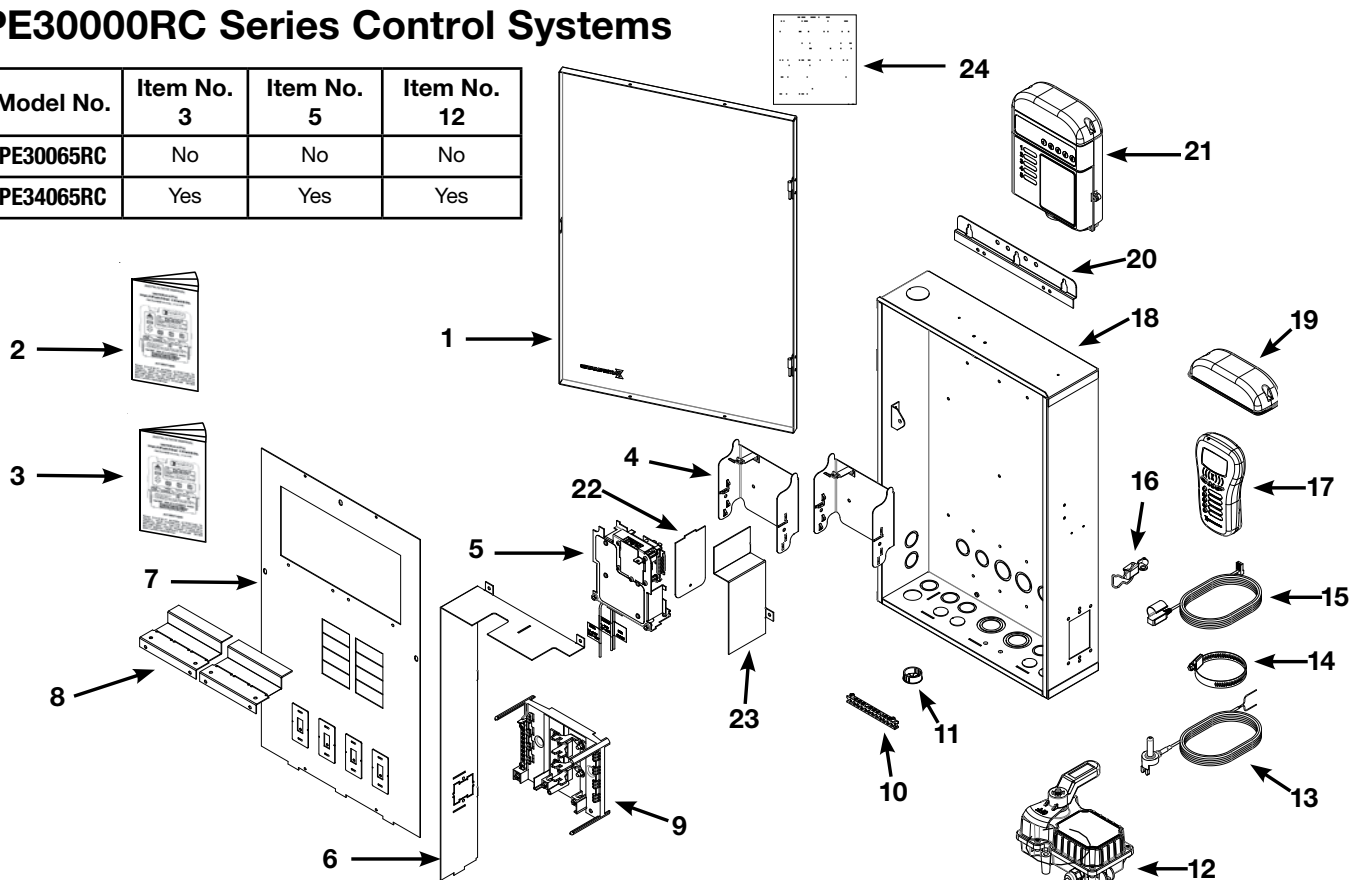


Item No.	Description	Part No.	Shipping Weight (lb.)	*List Price (\$)
1	Hand Held Transmitter	PE953	1.5	313.24
2	Instruction Booklet P1353ME	158PE12523	0.3	9.25
3	Instruction Booklet PE650/950	158--00700	0.3	9.25
4	Water Probe	PA122	1.2	69.80
5	Receiver (Antenna included)	PE650	1.5	286.00
6	Cover - Enclosure	6PE2816A-WWH	4.5	71.84
7	3-Circuit Timer Mechanism	P1353ME	1.5	350.15
8	Breaker Base	124T2530A	1.5	41.79
9	Plate - Dead Front	24PE6031-WWH	2.5	65.60
10	Antenna for PE650	214PE36	0.5	32.40
11	Bracket - Enclosure, each	22T713	1.5	4.10
12	Valve Actuator Control Mech.	P4243ME	2.5	384.05
12A	PC Board Assembly (not shown)	188--00021A	1.0	209.19
12B	Transformer (not shown)	119--00065A	2.2	60.75
13	Latch - Case	8--00008A	0.3	8.05
14	Case - Enclosure	2PE3475A-WWH	6.5	141.75
15	Terminal Bar - Grounding	130T1042	0.5	7.37

* Prices are subject to change without notice

PE3000RC Series Control Systems

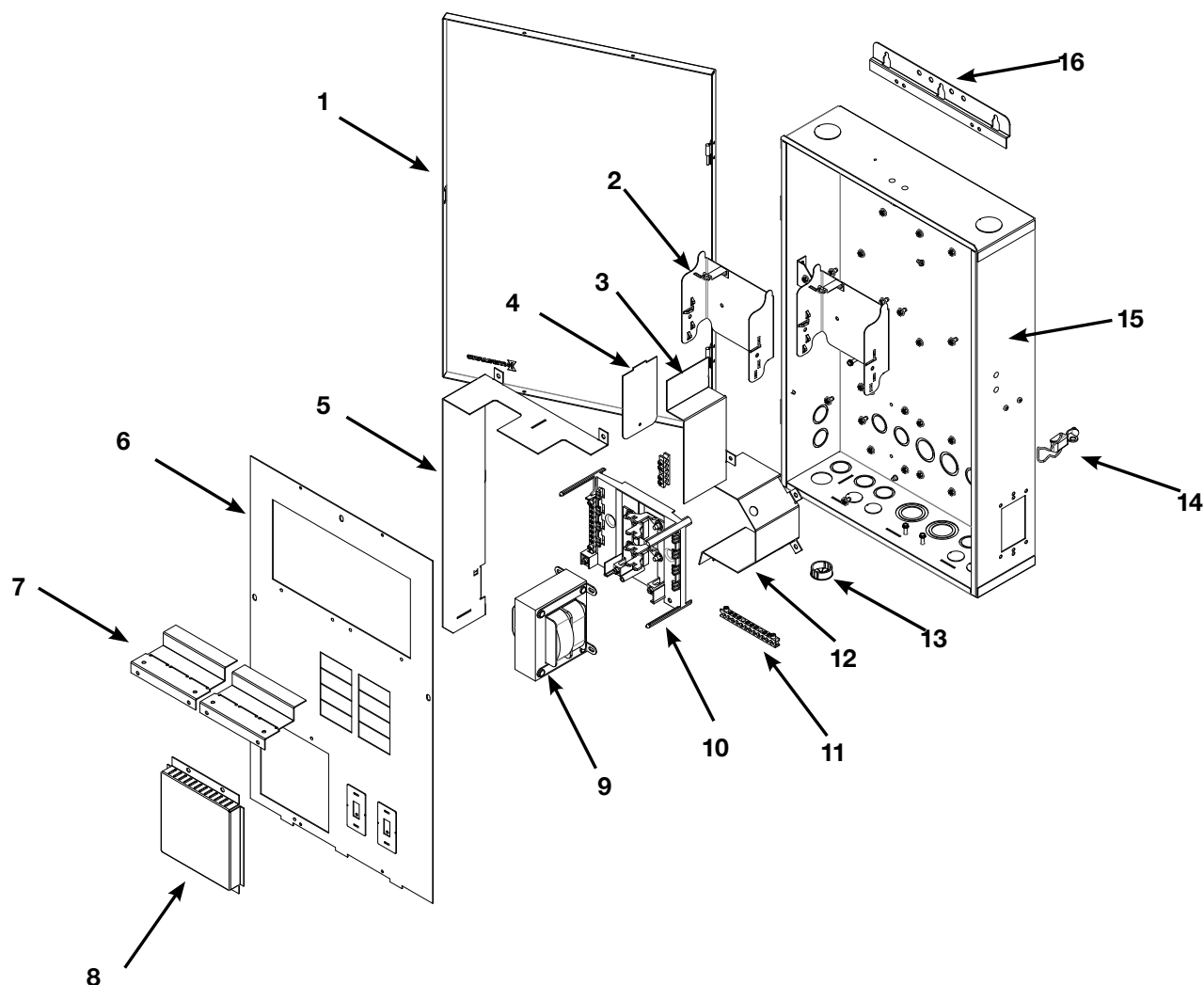
Model No.	Item No. 3	Item No. 5	Item No. 12
PE30065RC	No	No	No
PE34065RC	Yes	Yes	Yes



Item No.	Description	Part No.	Shipping Weight (lb.)	*List Price (\$)
1	Cvr Assy-10X16	6RC2344A	3.1	36.60
2	Instrn. Manual - PE653RC	158--00973	0.3	38.80
3	Instrn. Sht- P4043ME	158--00993	0.5	1.50
4	Brkt Assy-Mtg,Timer	22T338GR	0.8	10.61
5	Valve Actuator Control	P4043ME	3.5	247.07
5A	PC Board Assembly (not shown)	188--00021A	1.0	209.19
5B	Transformer (not shown)	119--00065A	2.2	60.75
6	Plt-Pntd,Dvdr	24PE6034-WWH	1.5	22.95
7	Plt-Pntd, Deadfront	24PE6103-WWH	2.1	55.80
8	Plt-Pntd,Filler	24PE6035-WWH	0.5	8.60
9	Insltr-Bus Bar	124TP2608A	1.5	38.26
10	Terminal Bar-Gnd	130T1042	0.3	7.37
11	Insltr-Grommet	124PA2545	0.1	3.56
12	24 Volt Valve Actuator	PE24VA	3.5	122.58
13	Water Probe	PA122	1.2	69.83
14	Clamp-Hose, 2- 1/16" X 3"	36--00001	0.3	6.40
15	Thermostat -Freeze Prot.	178PA28A	1.5	87.74
16	Latch-Enclosure	8--00008A	0.3	8.05
17	Wireless Remote Control	PE953	0.7	298.33
18	Case Assy	193PE339A	4.0	77.48
19	Cover Kit	156--01588	0.5	17.45
20	Mntg. Bracket - Enclosure	22T713	0.5	4.10
21	Wireless Receiver	PE653	2.6	381.09
22	Plate-Flat Dvdr, Timer	24PE6056-WWH	0.4	4.05
23	Plate-Pntd Dvdr, Timer	24PE6279-WWH	1.0	8.40
24	Label Cluster-Controls	154PE24947	0.1	7.50

* Prices are subject to change without notice

PE30000T3 Series Control Systems

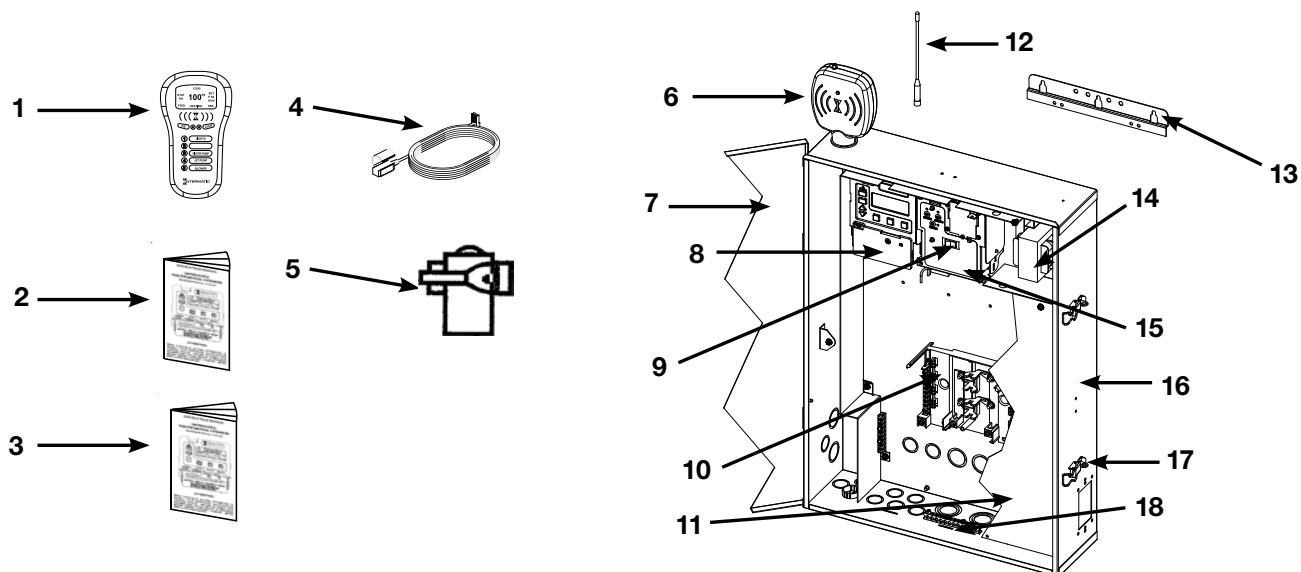


Item No.	Description	Part No.	Shipping Weight (lb.)	*List Price (\$)
1	Cvr-Pntd, 14X22	6PE2816A-WWH	4.5	71.84
2	Brkt Assy-Mtg, Timer	22T338GR	0.8	10.61
3	Plt-Pntd, Dvdr, Tmr	24PE6279-WWH	1.0	8.40
4	Plt-Flat, Tmr, Filler	24PE6056-WWH	0.4	4.05
5	Plt-Pntd, Divider	24PE6289-WWH	2.1	22.95
6	Plt-Pntd, Deadfront	24--00176-WWH	2.1	55.80
7	Plt-Pntd, Filler	24PE6035-WWH	0.5	8.60
8	Plt-Pntd, Cvr Vent Xfmr	24--00178-WWH	1.4	15.61
9	Trans-120V/60HZ, 300VA	119T340	9.0	97.86
10	Insldr-Bus Bar	124T2530A	1.5	38.26
11	Insldr-Bus Bar	124T2530A	1.5	38.26
12	Plt-Pntd, Cvr Xfmr	24--00175-WWH	2.5	16.62
13	Insldr Grommet	124PA2545	0.1	3.56
14	Latch-Enclosure	8--00008A	0.3	8.05
15	Case Assy-Pntd, 14X22	2--00067A-WWH	4.1	77.48
16	Mntg. Bracket - Enclosure	22T713	1.0	4.10

* Prices are subject to change without notice

PE40000 Series Electronic Pool/Spa Control Systems

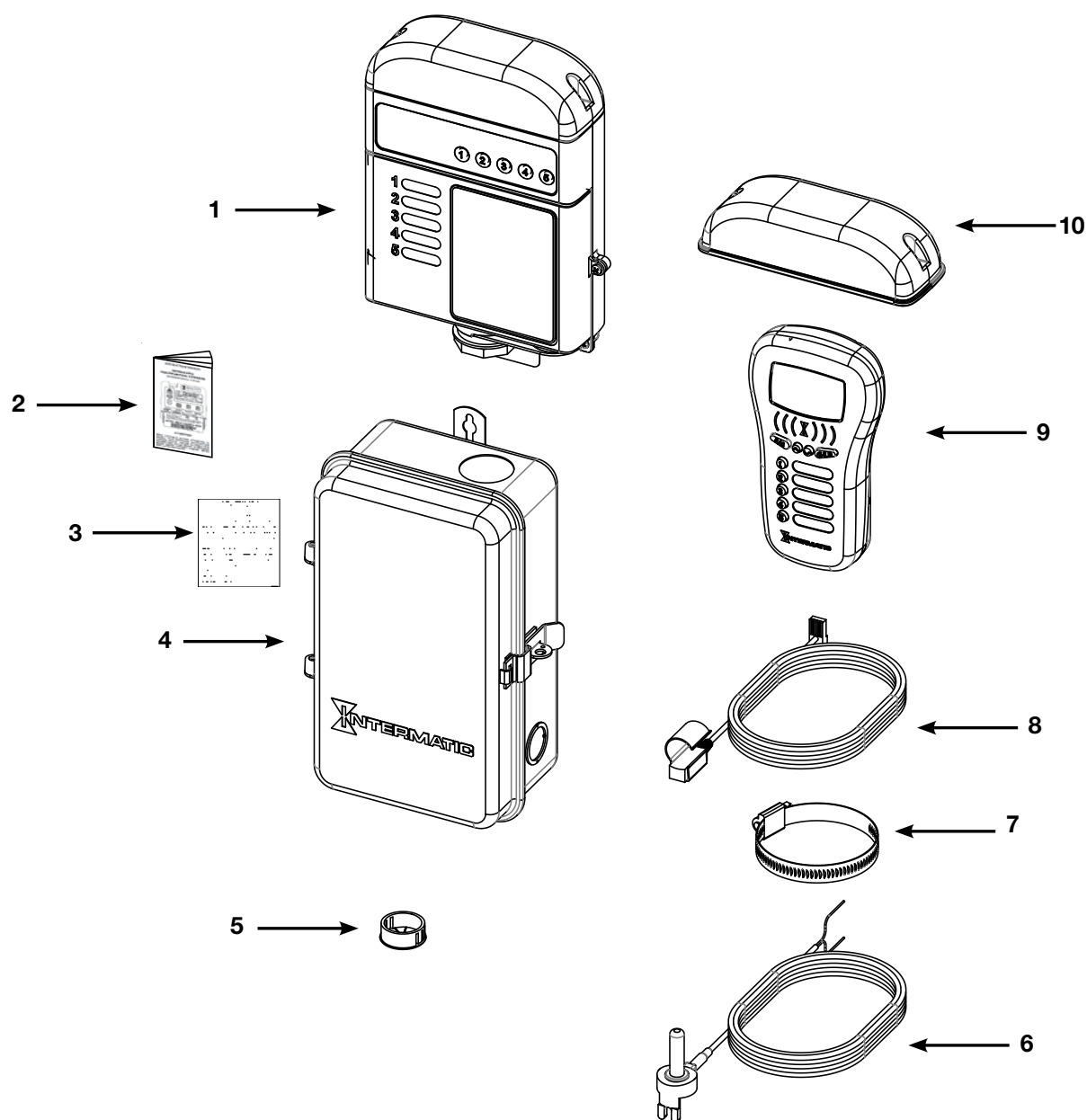
Model No.	Item No. 1	Item No. 3	Item No. 4	Item No. 5	Item No. 6	Item No. 8	Item No. 9	Item No. 12	Item No. 14
PE40000	No	No	No	No	No	No	No	No	No
PE45300	No	No	No	No	No	Yes	No	No	No
PE45343RC	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
PE45343RCT3	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes



Item No.	Description	Part No.	Shipping Weight (lb.)	*List Price (\$)
1	Hand Held Transmitter	PE953	1.5	313.24
2	Instruction Booklet PE1353ME	158PE12523	0.3	9.25
3	Instruction Booklet PE650/950	158--00700	0.3	9.25
4	Water Probe	PA122	1.2	69.80
5	Valve Actuator	PE24VA	3.5	122.58
6	Receiver (Antenna Included)	PE650	1.5	286.00
7	Cover - Enclosure	6PE2923A-WWH	5.5	84.91
8	3-Circuit Timer Mechanism	P1353ME	1.5	350.15
9	Valve Actuator Control Mech.	P4243ME	2.5	384.05
10	Breaker Base	124T2530A	1.5	41.79
11	Plate - Dead Front	24PE6146-WWH	3.5	67.50
12	Antenna for PE650	214PE36	0.5	32.40
13	Bracket - Enclosure, each	22T713	1.5	4.10
14	Transformer 300 Watt	119T340	8.8.	151.48
15	Bracket Time Switch	22T702A	0.8	10.61
16	Case - Enclosure	2PE3432A-WWH	7.5	176.20
17	Latch - Case	8--00008A	0.3	8.05
18	Ground Bar	130T1042	0.5	7.37

* Prices are subject to change without notice

PE653RC Series Control Systems

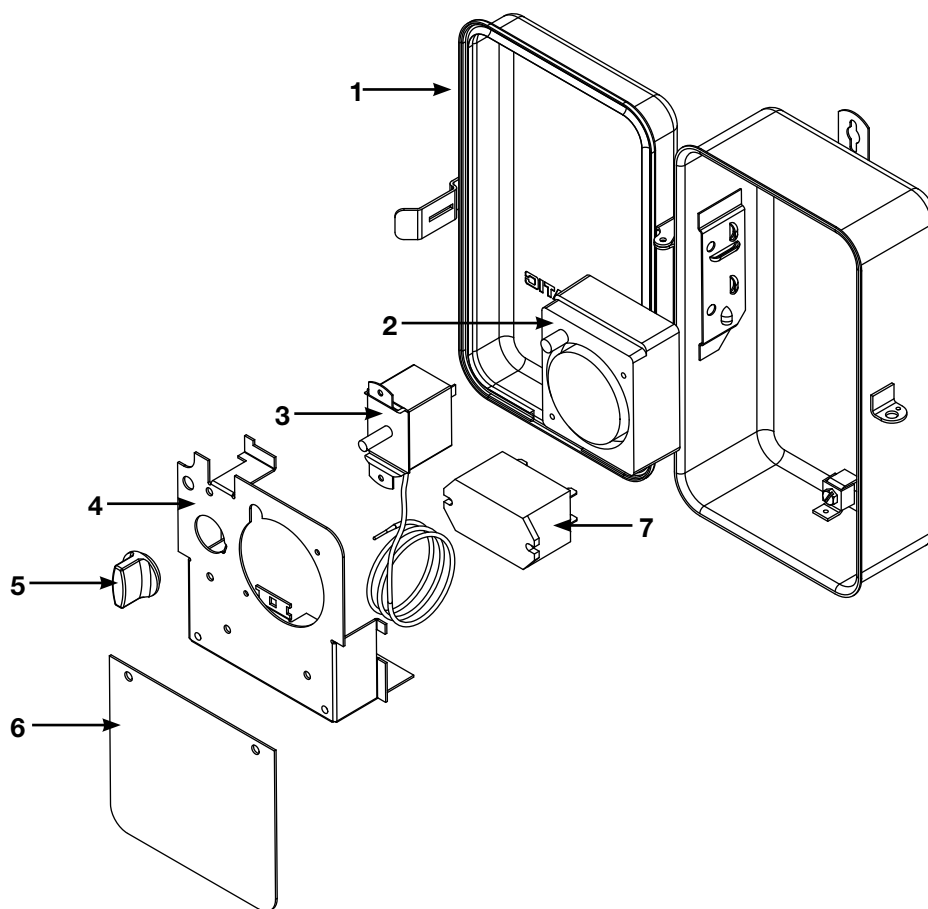


Item No.	Description	Part No.	Shipping Weight (lb.)	*List Price (\$)
1	Wireless Receiver	PE653	2.6	381.09
2	Inst-Manual, PE653RC	158--00973	0.3	38.80
3	Label Cluster-Controls	154PE24947	0.1	7.50
4	Enclosure	2--00027A	3.0	92.27
5	Insulator-Grommet	124PA2545	0.1	3.56
6	Water Probe	PA122	1.2	69.83
7	Clamp-Hose, 2- 1/16" X 3"	36--00001	0.3	6.40
8	Thermostat -Freeze Prot.	178PA28A	1.5	87.74
9	Wireless Remote Control	PE953	0.7	298.33
10	Cover Kit	156--01588	0.5	17.45

* Prices are subject to change without notice

PF1000 Series Freeze Protection Controls

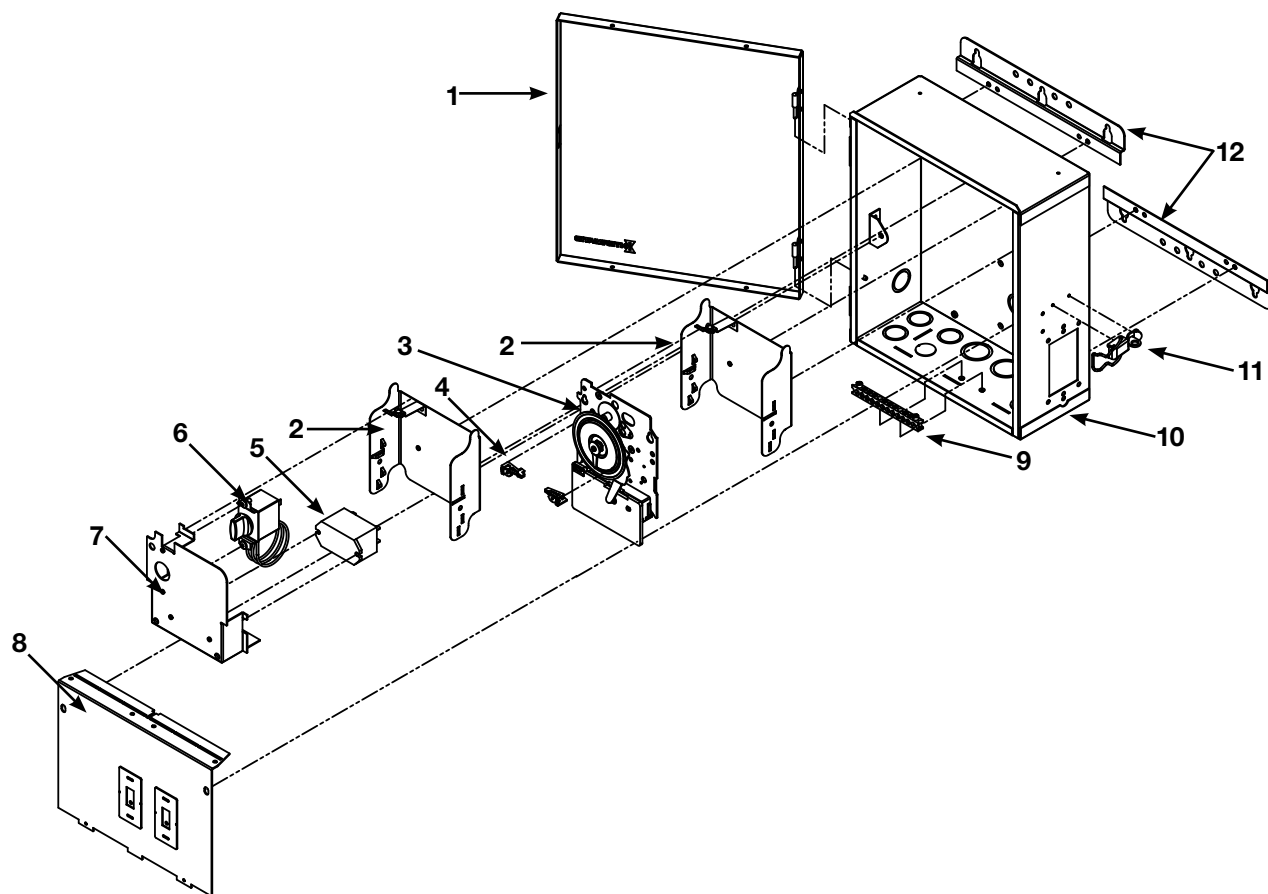
Model No.	Item No. 2	Item No. 4	Item No. 7
PF1102	None	24--00021-SC21	143T135
PF1102T	PB914M8	24--00094-SCR1	143T135
PF1103	None	24--00021-SC21	143T136
PF1103T	PB913M8	24--00094-SCR1	143T136



Item No.	Description	Part No.	Shipping Weight (lb.)	*List Price (\$)
1	Enclosure	2T2485GA	3.0	92.27
2	Timer	See Table Above	0.5	39.80
3	Thermostat	178T24	1.0	55.29
4	Plate - Mech. Mounting	See Table Above	1.0	19.67
5	Knob - Thermostat	Part of item 3	-	
6	Plate Cover - Wiring Compartment	24--00057-SCR1	1.0	5.70
7	Relay	See Table Above	0.5	54.29

* Prices are subject to change without notice

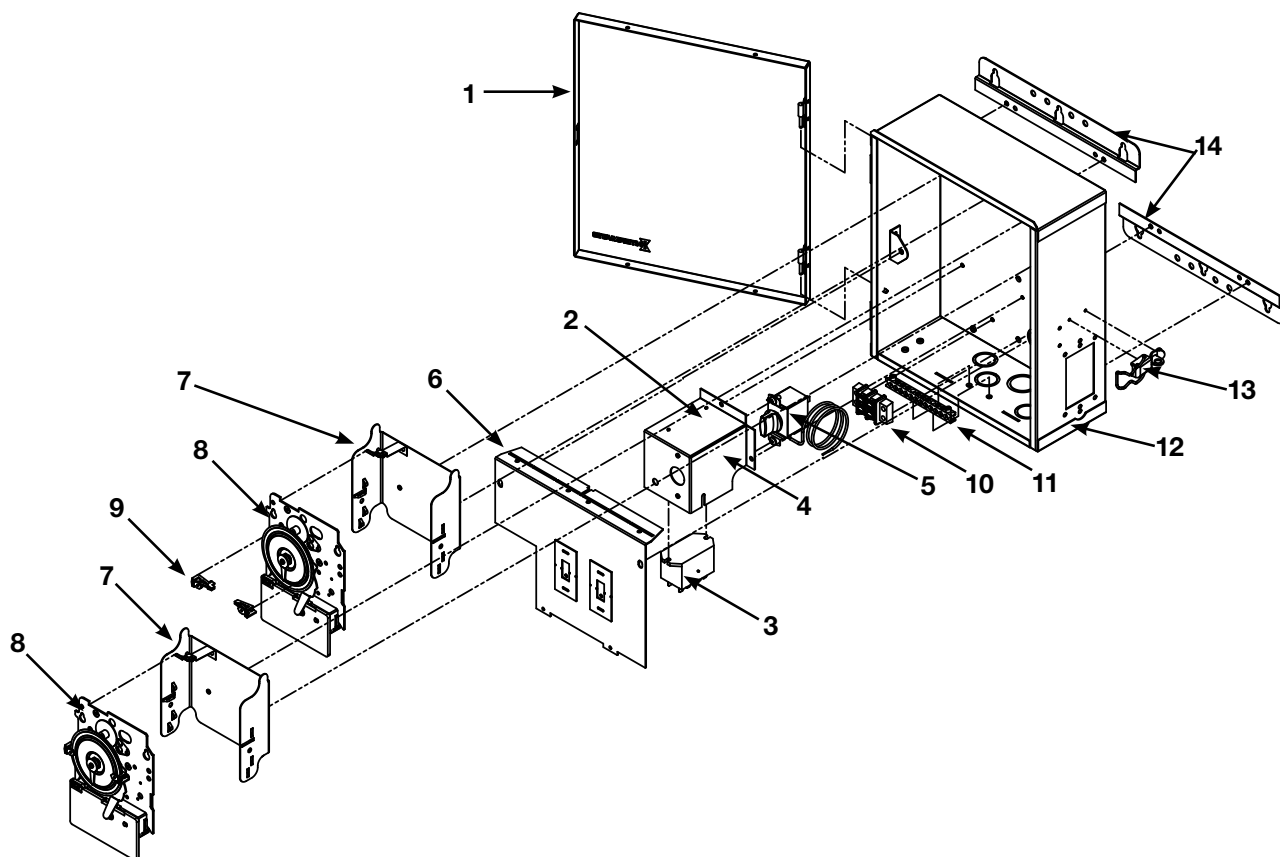
PF1112T Power Center with Freeze Protection



Item No.	Description	Part No.	Shipping Weight (lb.)	*List Price (\$)
1	Cover - Enclosure	6TP2819A-WWH	3.0	31.20
2	Bracket - Time Switch	22T338GR	0.8	10.61
3	Time Switch Mechanism	T104M	1.5	148.87
4	Tripper - Time Switch (1) ON (1) OFF per pack	156T1978A	0.3	3.65
5	Relay	143T135	0.5	54.29
6	Thermostat	178T24	1.0	55.29
7	Plate - Mechanism	24--00021-SCR1	1.0	19.67
8	Plate - Dead Front	24TP6019-WWH	1.5	16.10
9	Terminal Bar - Grounding	130T1042	0.5	7.37
10	Case - Enclosure	2TP3388A-WWH	6.0	73.10
11	Latch - Enclosure	8--00008A	0.3	8.05
12	Bracket - Enclosure ea.	22T713	1.0	4.10

* Prices are subject to change without notice

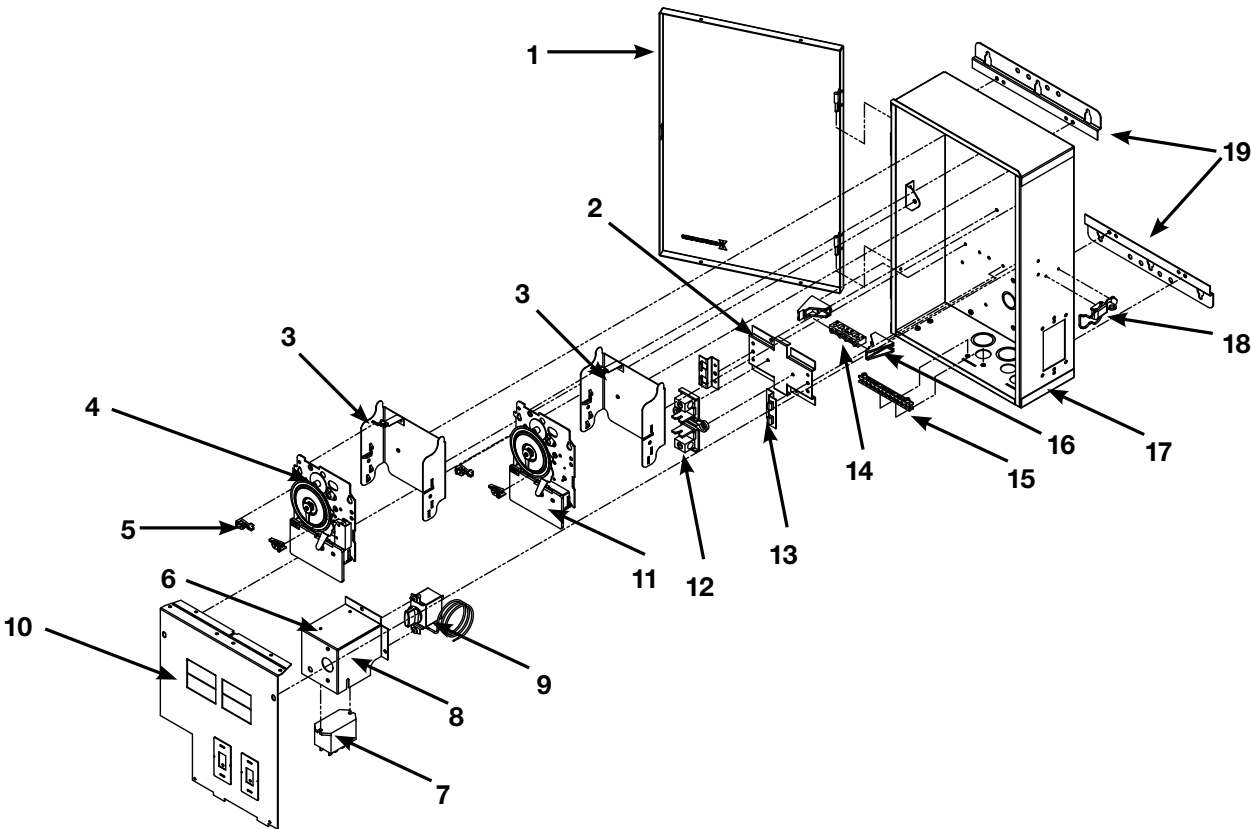
PF1202T Freeze Protection Control



Item No.	Description	Part No.	Shipping Weight (lb.)	*List Price (\$)
1	Cover - Enclosure	6TP2819A-WWH	3.0	31.20
2	Complete Thermostat Assembly - Pre Wired	PA102	2.5	101.49
3	Relay	143T135	0.5	54.29
4	Plate - Thermostat Housing	24--00022-SCR1	1.0	7.52
5	Thermostat	178T24	1.0	55.29
6	Plate - Dead Front	24PF6022-WWH	1.5	17.60
7	Bracket - Time Switch	22T338GR	0.8	10.61
8	Time Switch Mechanism	T104M	1.5	148.87
9	Tripper - Time Switch (1) ON (1) OFF per pack	156T1978A	0.3	3.65
10	Terminal - Power	130LV1091	0.3	15.90
11	Terminal Bar - Grounding	130T1042	0.5	7.37
12	Case - Enclosure	2PF3377A-WWH	6.0	73.10
13	Latch - Enclosure	8--00008A	0.3	8.05
14	Bracket - Enclosure, each	22T713	1.0	4.10

* Prices are subject to change without notice

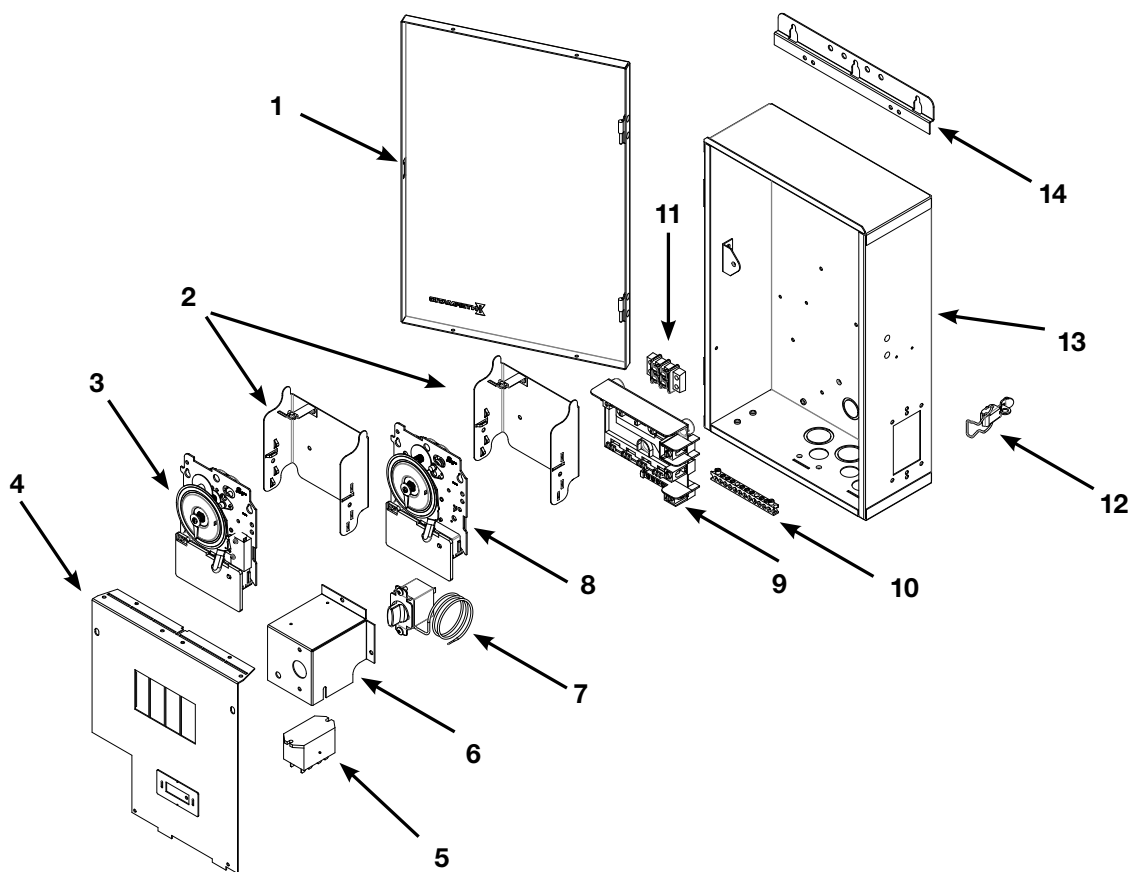
PF1222TB Freeze Protection Control



Item No.	Description	Part No.	Shipping Weight (lb.)	*List Price (\$)
1	Cover - Enclosure	6RC2344A	4.0	36.60
2	Plate - Breaker Mounting	24T5493	1.0	14.10
3	Bracket - Time Switch	22T338GR	0.8	10.61
4	Time Switch Mechanism #1	T104M201	1.8	200.63
5	Tripper - Time Switch (1) ON (1) OFF per pack	156T1978A	0.3	3.65
6	Complete Thermostat Assembly - Pre Wired	PA102	2.5	101.49
7	Relay	143T135	2.0	54.29
8	Plate - Thermostat Housing	24--00022	0.5	23.80
9	Thermostat	178T24	1.0	55.30
10	Plate - Dead Front	24T5473	1.0	23.80
11	Time Switch Mechanism #2	T104M	1.5	148.87
12	Breaker Base	124T2375	0.5	38.26
13	Bracket - Breaker	22T675	0.3	9.10
14	Terminal Bar - Neutral	130T1181	0.5	16.10
15	Terminal Bar - Grounding	130T1042	0.5	7.37
16	Bracket - Terminal Mounting	22T676	0.3	7.87
17	Case - Enclosure	2PF3380A-WWH	6.5	77.48
18	Latch - Enclosure	8--00008A	0.3	8.05
19	Bracket - Enclosure, each	22T713	1.0	4.10

* Prices are subject to change without notice

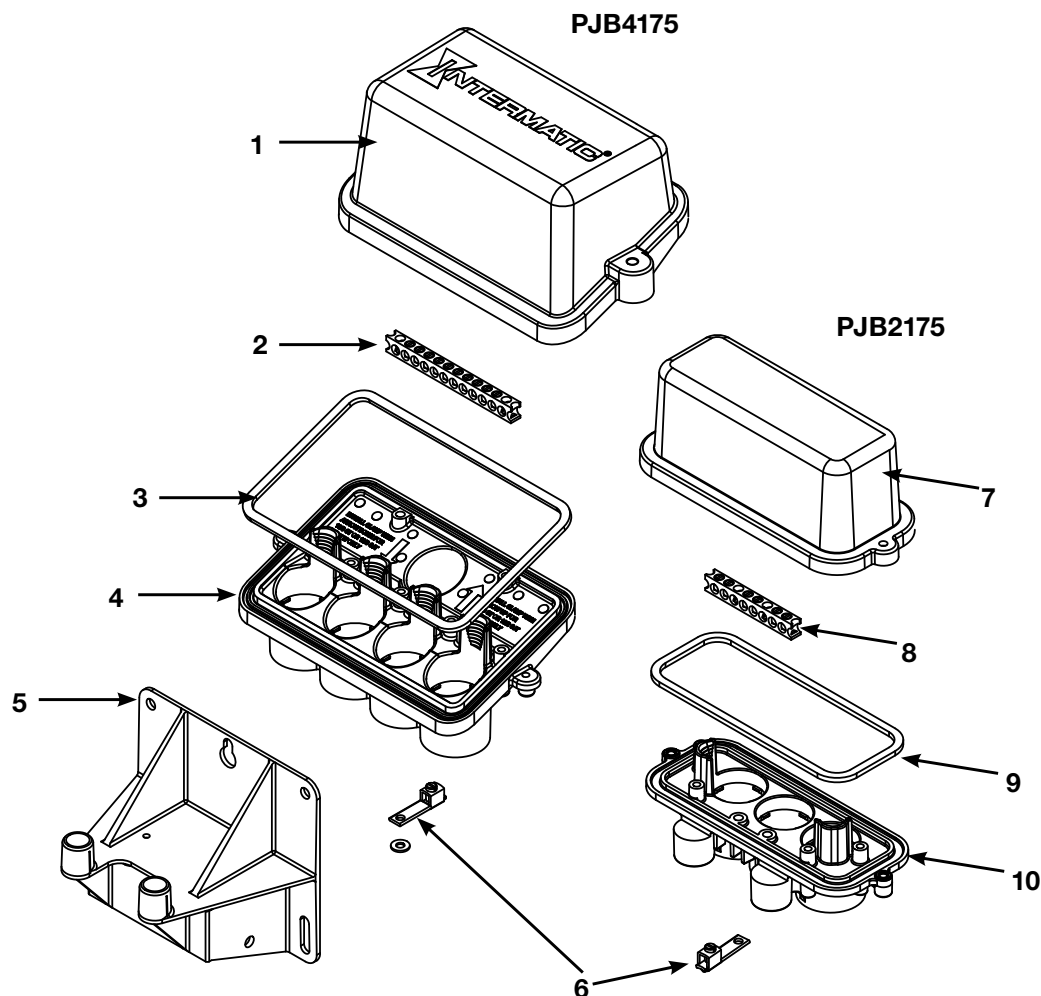
Model: PF1222TB1 Freeze Protection Load Center



Item No.	Description	Part No.	Shpg. Wt. (lb)	*List Price (\$)
1	Cover Assy-10X16	6RC2344A	3.1	36.60
2	Brkt Assy-Mtg,Timer	22T338GR	0.8	10.61
3	Time Switch Mech #1	T104M201	1.8	200.63
4	Plate - Dead Front	24T5473-WWH	2.0	23.80
5	Relay - Part Of T-Stat Assembly	143T135	1.0	54.29
6	Complete T-Stat Assembly	PA102	2.5	101.49
7	T-Stat, Part Of T-Stat Assembly	178T24	1,2	55.30
8	Time Switch Mech #2	T104M	1.8	148.87
9	Breaker Base	124--00022	1.0	38.26
10	Terminal Bar-Gnd	130T1042	0.3	7.37
11	Terminal -Power Input	130LV1091	0.5	15.90
12	Latch-Enclosure	8--00008A	0.3	8.05
13	Case Assy	2PF3380A-WWH	4.1	77.48
14	Mntg Bracket - Enclosure	22T713	1.0	4.10

* Prices are subject to change without notice

PJB2175 Two Light Capacity Swimming Pool Junction Box PJB4175 Four Light Capacity Swimming Pool Junction Box

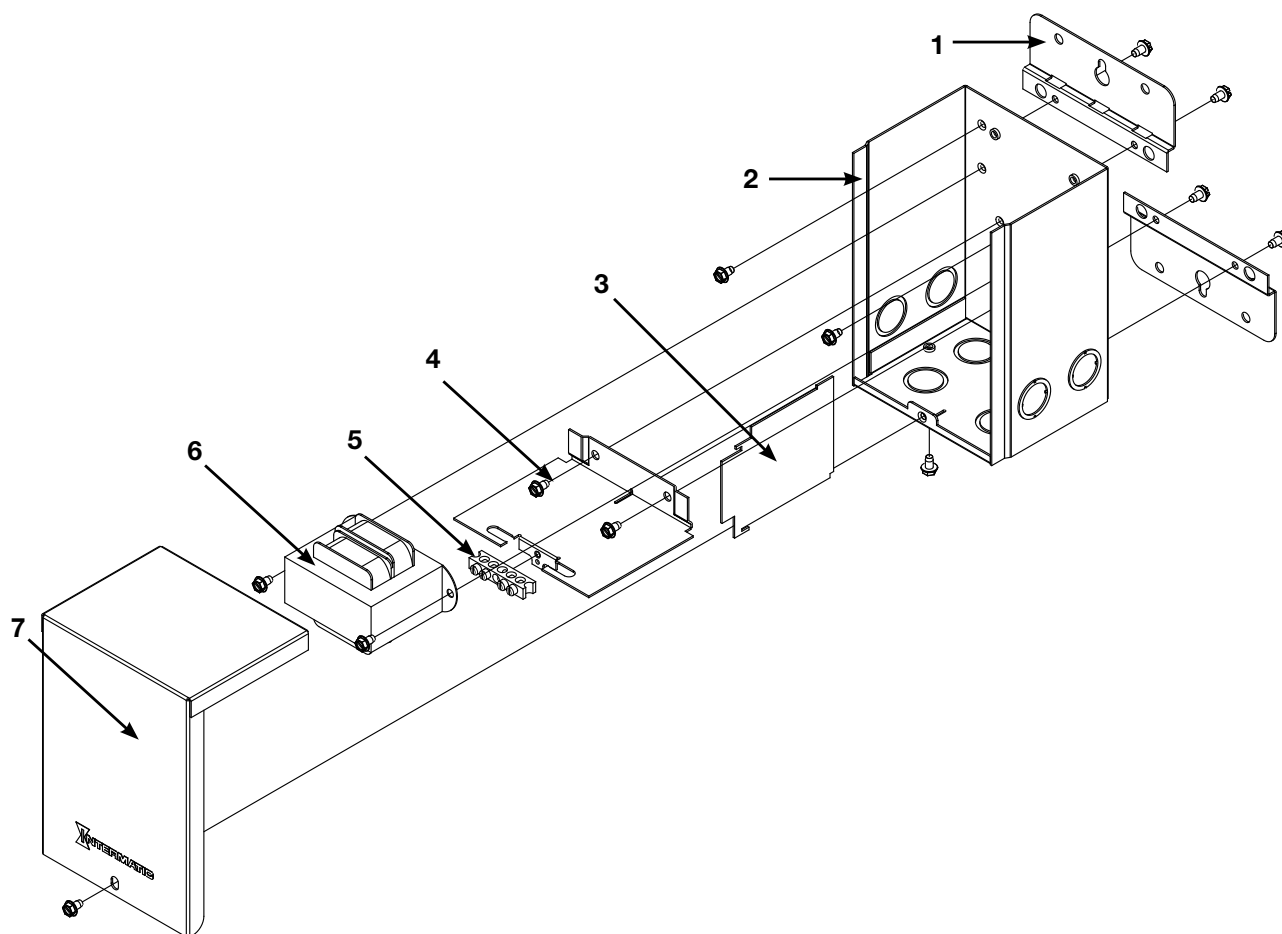


Item No.	Description	Part No.	Shipping Weight (lb.)	*List Price (\$)
1	Cover - PJB4175	6--00017	1.5	32.20
2	Terminal Bar - grounding	130PA1347	0.5	7.50
3	Gasket	165PA156	0.5	4.70
4	Base - available as complete unit	PJB2175/PJB4175	-	See Price List
5	Mounting Bracket	PA114	0.5	7.50
6	Bonding Lug	130PA1348	0.5	11.30
7	Cover - PJB2175	6PA2988	1.0	18.80
8	Terminal Bar - Grounding	130T1238	0.5	5.30
9	Gasket	165PA173	0.5	3.80
10	Base - available as complete unit	PJB2175	-	See Price List

* Prices are subject to change without notice

PX100S and PX300S Pool/Spa Light Transformers

Model No.	Item No. 6	Shipping Wt. (lb.)	*List Price (\$)
PX50	119--00062	3.1	52.45
PX100	119--00066	3.5	74.51
PX300	119T340	9.5	97.86

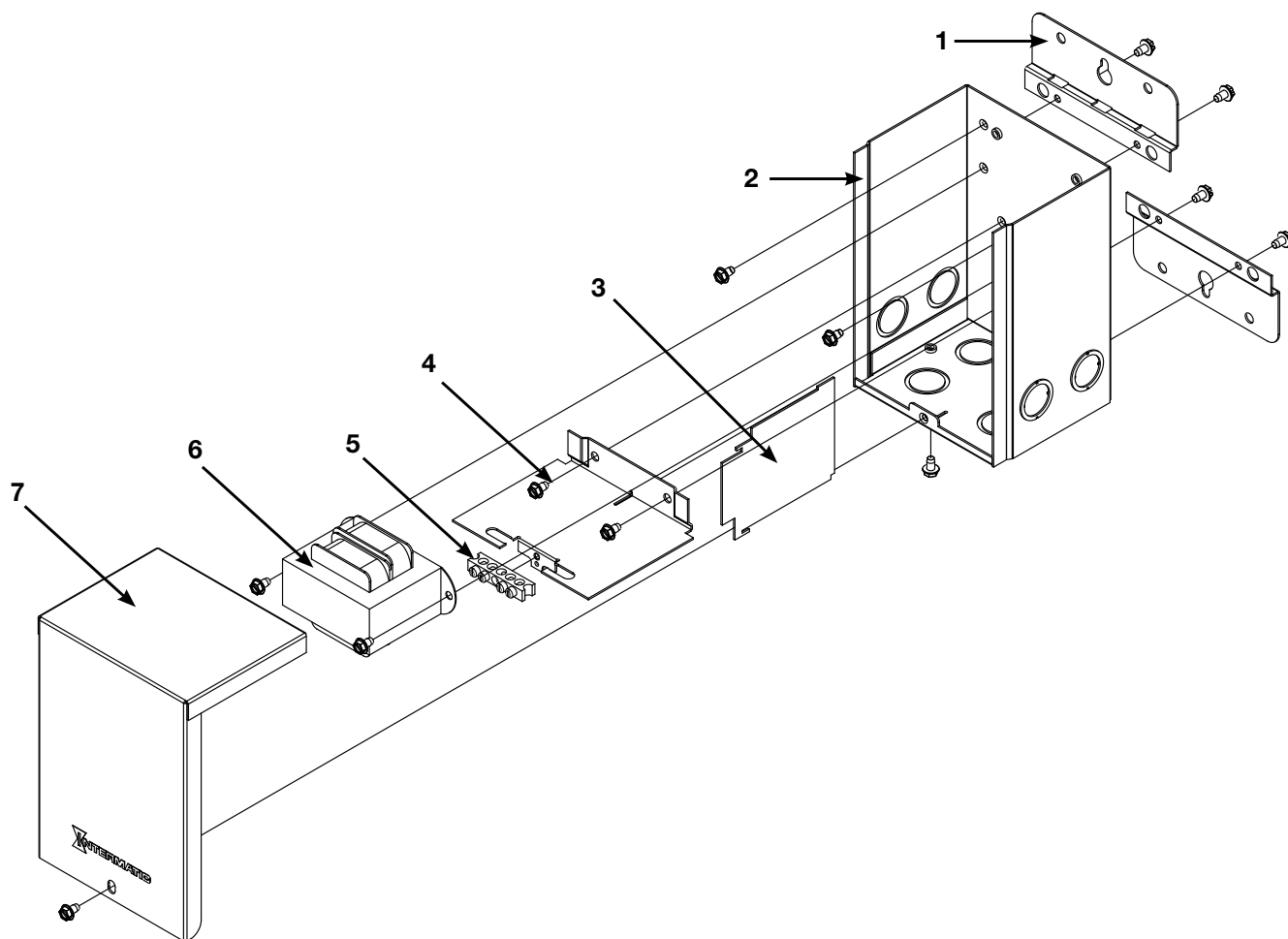


Item No.	Description	Part No.	Shipping Weight (lb.)	*List Price (\$)
1	Bracket - Mounting (1) per pack	22--00031-SSS	0.5	3.30
2	Housing - Enclosure (for PX50 & PX100)	24--00144-WWH	3.0	21.90
	Plate- Base, Painted (for PX300 only)	24--00078-SSS	3.0	69.48
3	Plate - Divider, Vertical	24T5661-SSS	0.5	5.35
4	Plate - Divider, Horizontal	24T5169	0.5	6.15
5	Terminal Bar - Grounding	130T1103	0.3	4.70
6	Transformer	See Table Above	-	-
7	Cover - Enclosure	6T2395-SSS	1.5	15.80

* Prices are subject to change without notice

PX100S and PX300S Pool/Spa Light Transformers

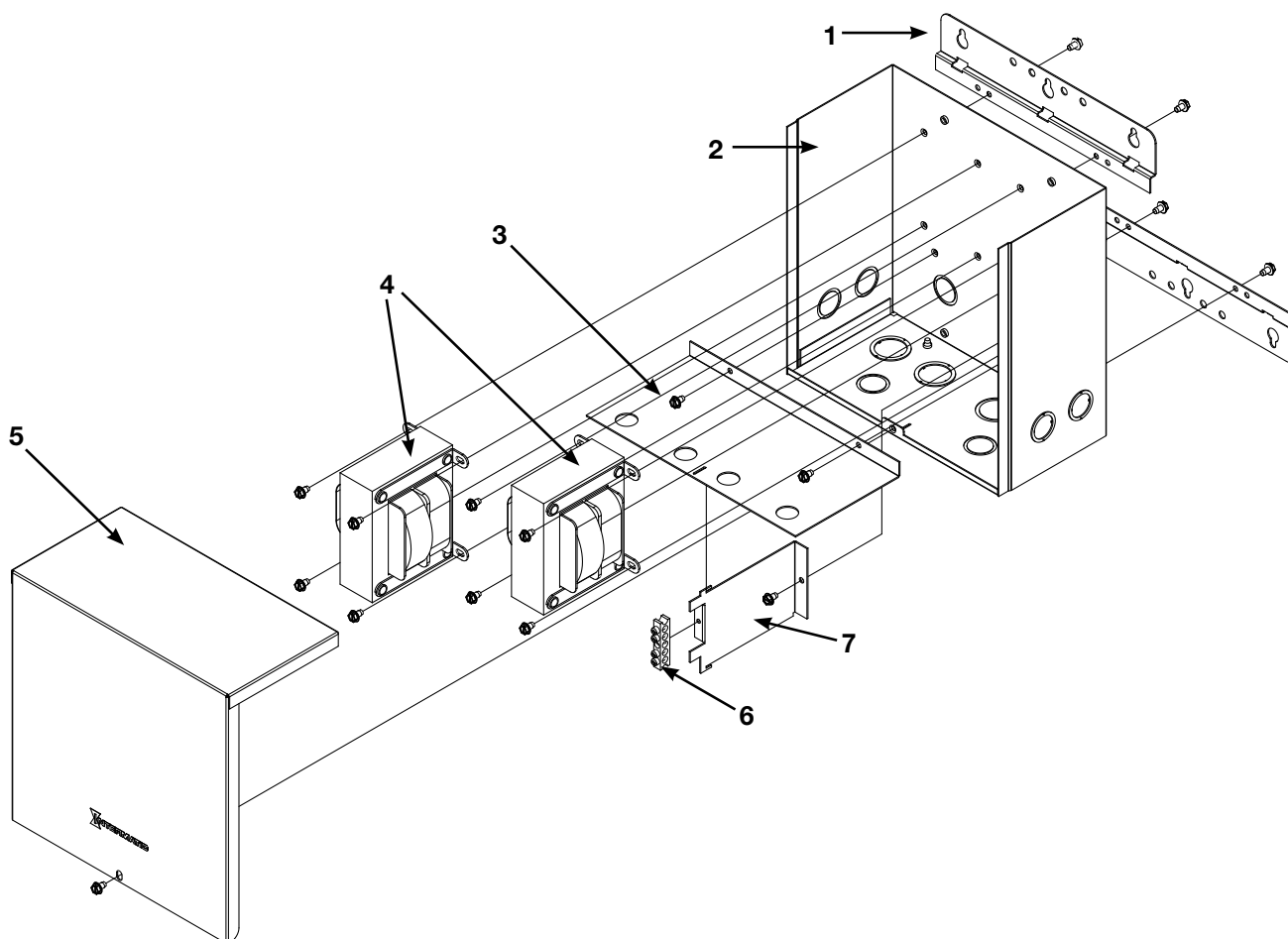
Model No.	Item No. 6	Shipping Wt. (lb.)	*List Price (\$)
PX50S	119--00062	3.1	52.45
PX100S	119--00066	3.5	74.51
PX300S	119T340	9.5	97.86



Item No.	Description	Part No.	Shipping Weight (lb.)	*List Price (\$)
1	Bracket - Mounting (1) per pack	22--00031-SSS	0.5	7.40
2	Housing - Enclosure	24--00145-SSS	3.0	66.40
3	Plate - Divider, Vertical	24T5661-SSS	0.5	11.50
4	Plate - Divider, Horizontal	24T5169	0.5	5.35
5	Terminal Bar - Grounding	130T1103	0.3	6.15
6	Transformer	See Table Above	-	-
7	Cover - Enclosure	6T2395-SSS	1.5	29.30

* Prices are subject to change without notice

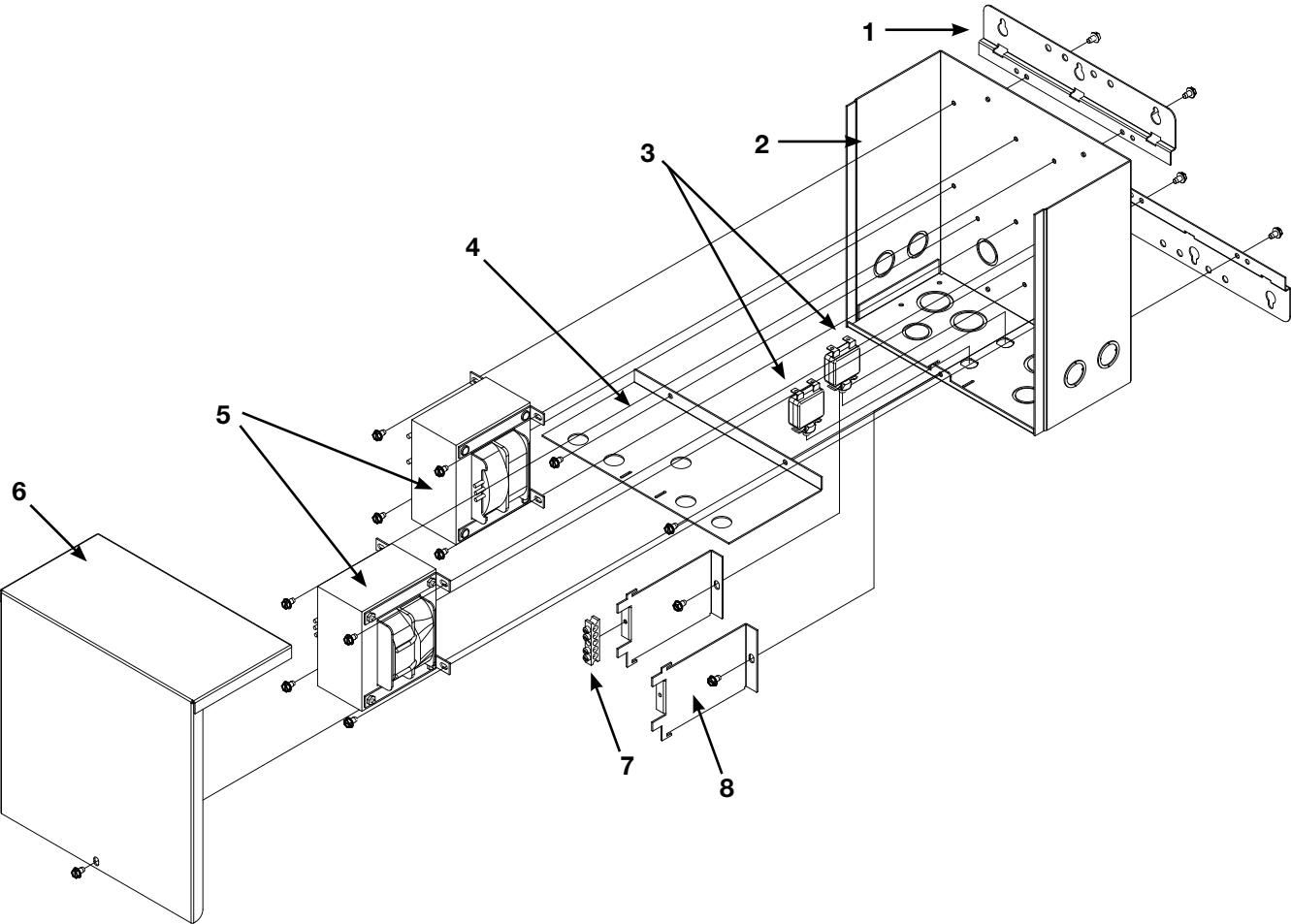
PX600 Pool/Spa Light Transformer



Item No.	Description	Part No.	Shipping Weight (lb.)	*List Price (\$)
1	Bracket - Mounting, each	22--00004-WWH	0.8	6.50
2	Case - Enclosure	2PX3342	4.0	61.50
3	Plate - Divider, Horizontal	24PX5947	1.0	9.70
4	Transformer, each	119T340	9.0	97.86
5	Cover - Enclosure	6PX2751	2.0	31.40
6	Terminal Bar - Grounding	130T1103	0.3	6.15
7	Bracket - Divider	22PX923	0.5	6.40

* Prices are subject to change without notice

PX600S Pool/Spa Light Transformer

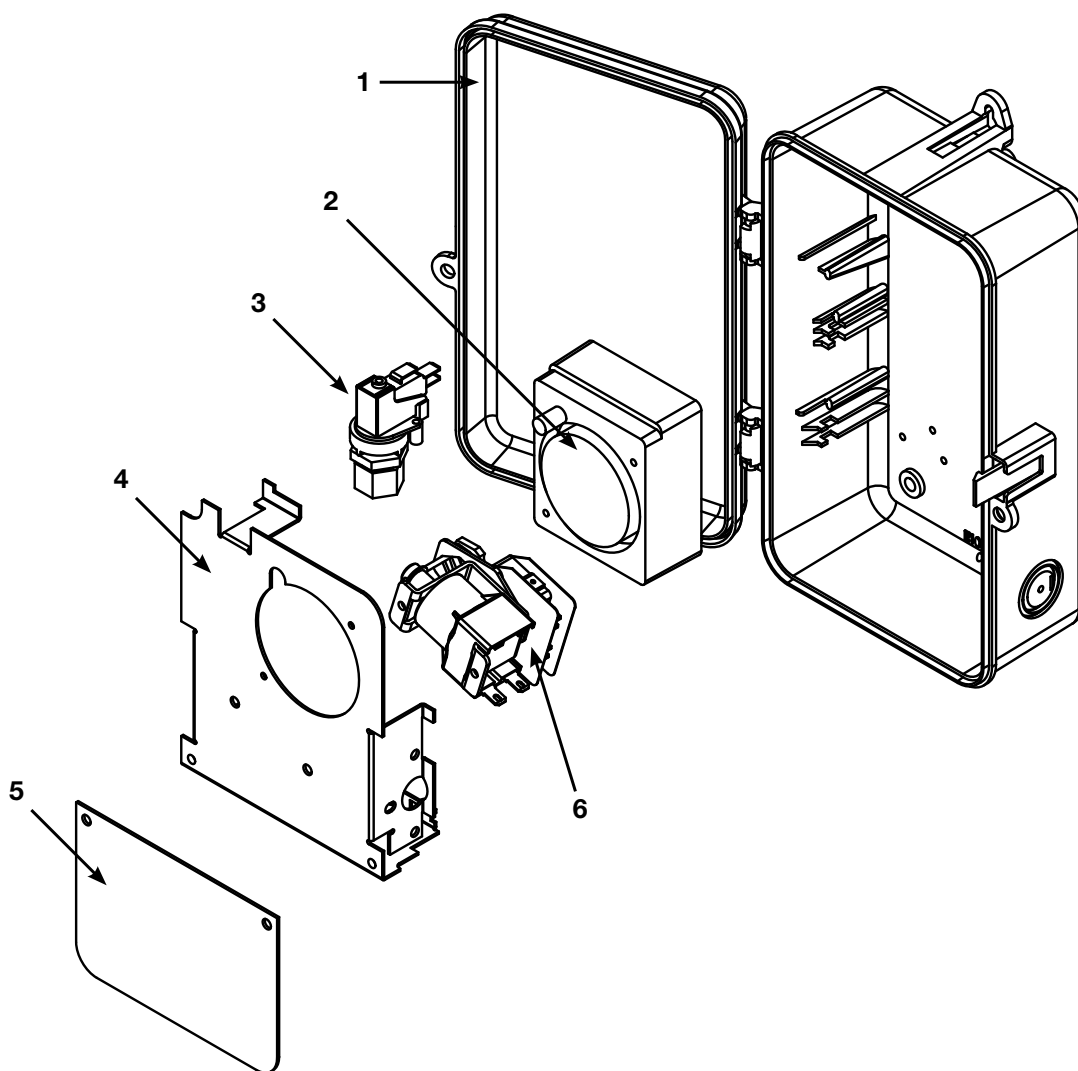


Item No.	Description	Part No.	Shipping Weight (lb.)	*List Price (\$)
1	Bracket - Mounting, each	22PL977-SSS	1.0	17.30
2	Case - Enclosure	2PL3410-SSS	4.0	178.00
3	Circuit Protector, each	121AL415	0.3	24.92
4	Plate - Divider, Horizontal	24PL6095-SSS	1.0	33.20
5	Transformer, each	119PX608	9.0	145.20
6	Cover - Enclosure	6PL2873-SSS	2.0	106.90
7	Terminal Bar - Grounding	130T1103	0.3	6.15
8	Bracket - Divider	22PL976-SSS	0.5	16.60

* Prices are subject to change without notice

RC2000PT Series Air Actuated Controls

Model No.	Item No. 6	Shipping Wt. (lb.)	*List Price (\$)
RC2123PT	143RC126	1.5	78.96
RC2343PT	143RC140	2.5	102.10

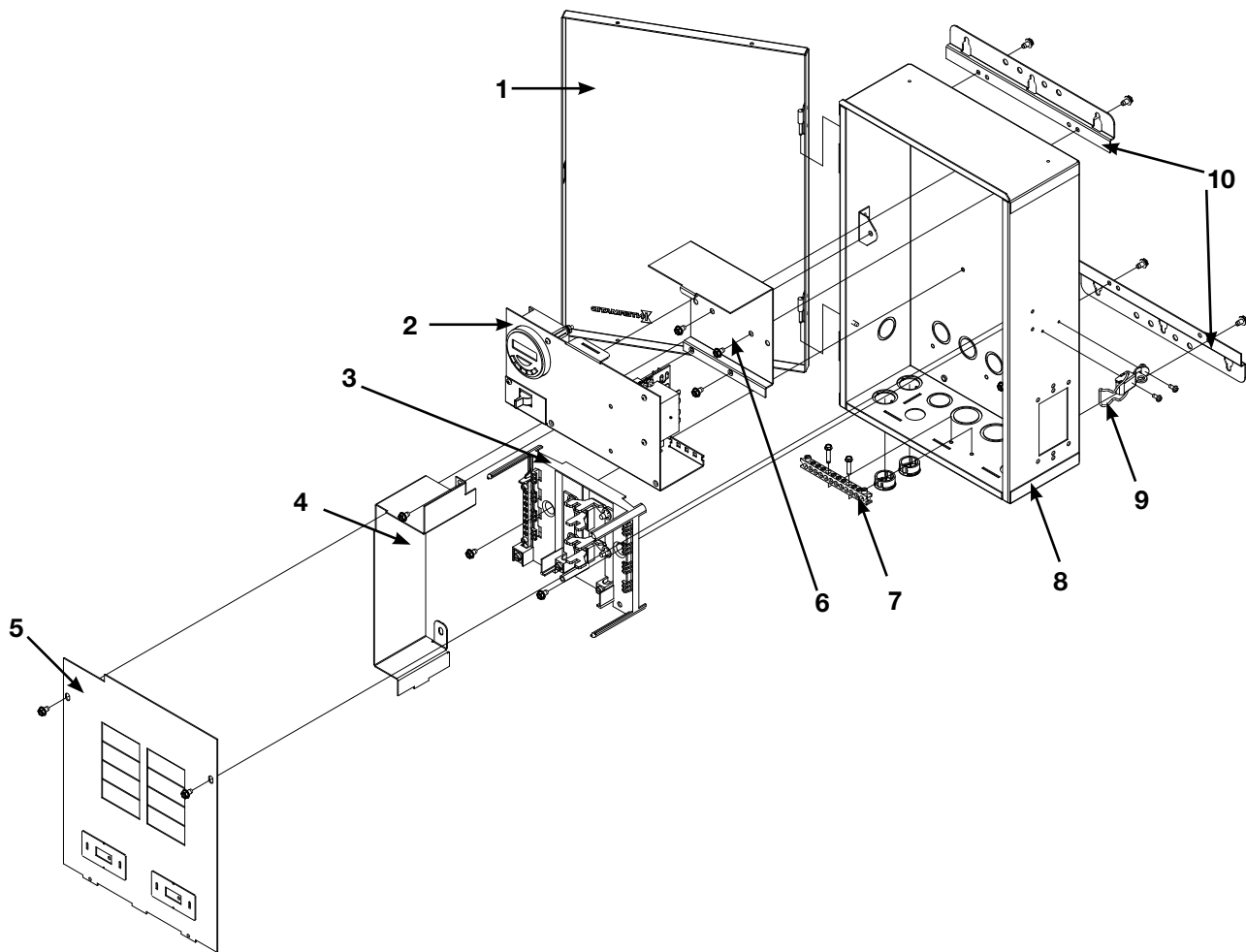


Item No.	Description	Part No.	Shipping Weight (lb.)	*List Price (\$)
1	Enclosure	2RC2925A	3.0	98.40
2	Timer	PB913M8	0.5	50.00
3	Air Switch - Momentary	133RC1144	0.3	33.30
4	Plate - Mech. Mounting	24--00040-WWH	1.0	19.60
5	Dead Front - Wiring Compartment	24--00065-SCR1	1.0	5.70
6	Relay	See Table Above	-	-

* Prices are subject to change without notice

RC2000BE Series Pool-to-Spa Control Panels

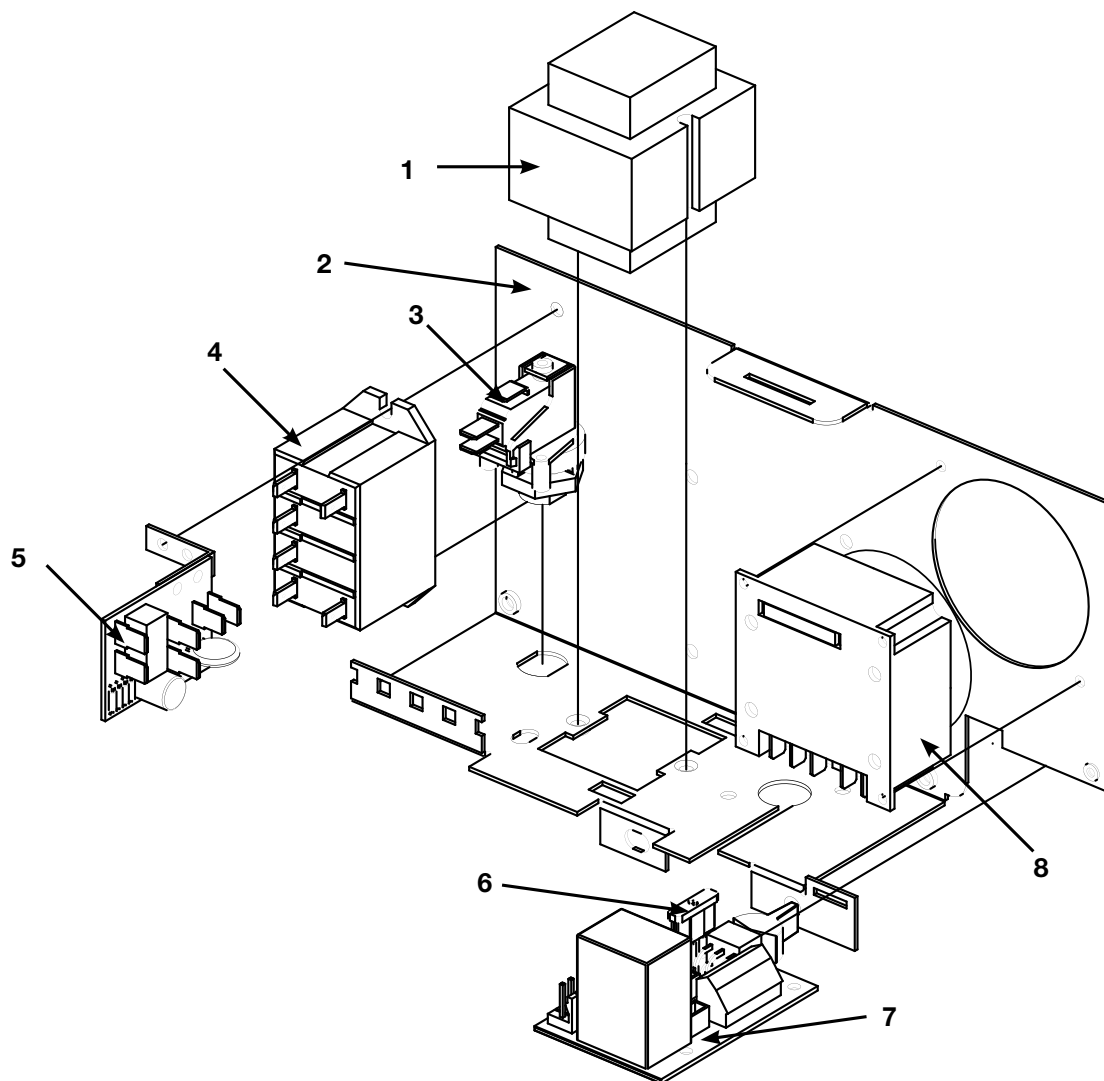
Model No.	Item No. 2
RC2163BE	See Page 91
RC2163BFE	See Page 92



Item No.	Description	Part No.	Shipping Weight (lb.)	*List Price (\$)
1	Cover - Enclosure	6RC2344A	3.5	36.50
2	Housing Assembly	See Above	-	-
3	Breaker Base	124T2530A	1.5	41.79
4	Plate - Divider	24AS6061-WWH	2.0	15.60
5	Plate - Dead Front	24AS6060-WWH	2.0	15.80
6	Plate - Mech. Mounting	24RC5603	1.5	12.40
7	Terminal Bar - Grounding	130T1042	0.5	7.37
8	Case - Enclosure	2AS3398A-WWH	6.5	75.70
9	Latch - Enclosure	8--00008A	0.3	8.05
10	Bracket - Enclosure, each	22T713	1.0	4.10

* Prices are subject to change without notice

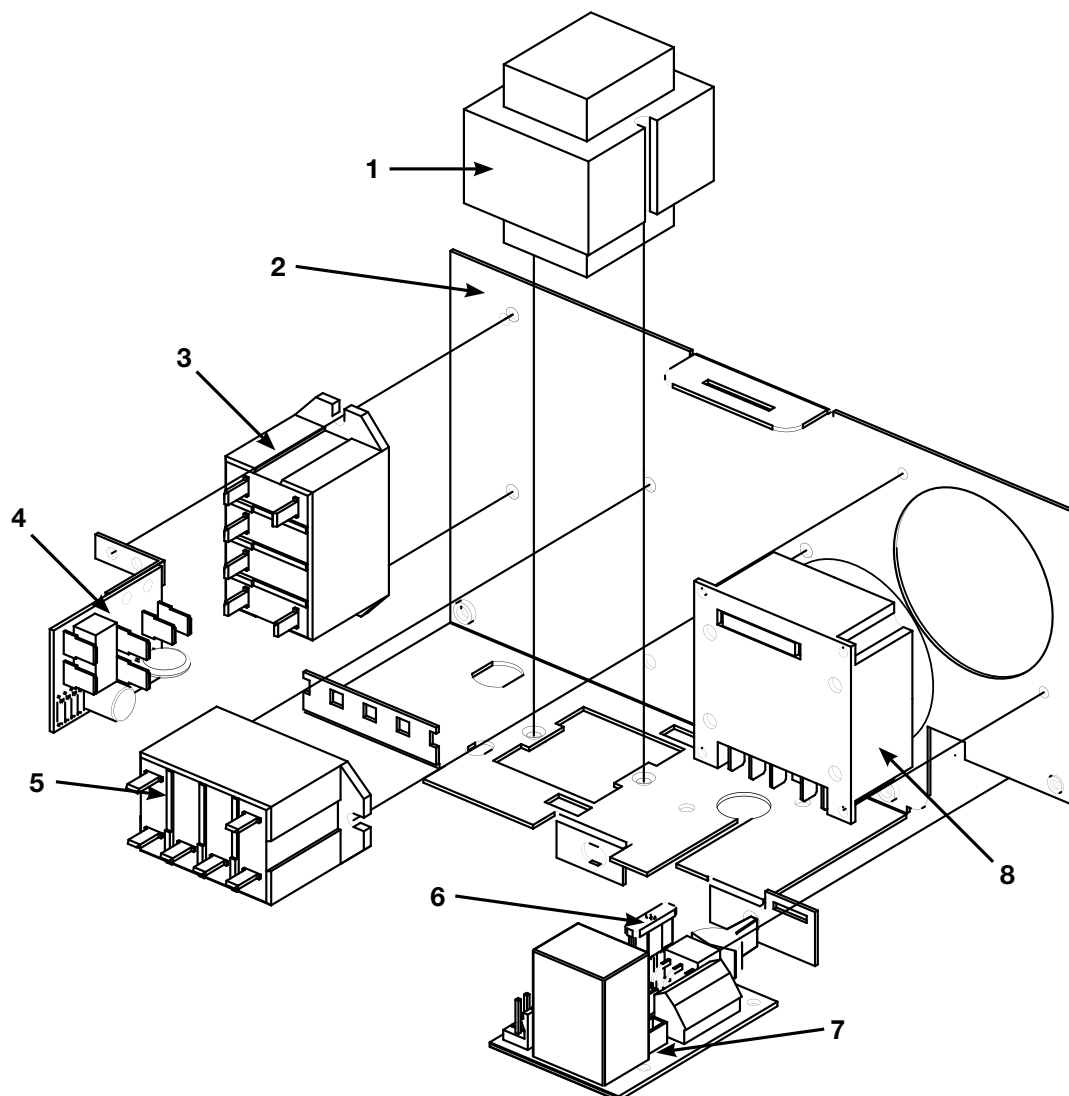
Housing Assembly for RC2163BE



Item No.	Description	Part No.	Shipping Weight (lb.)	*List Price (\$)
1	Transformer	119RC335A	2.0	63.66
2	Plate - Housing	24AS6151-WWH	1.5	19.50
3	Switch - Air	133RC1144	0.3	33.30
4	Relay - Pump	143RC151	0.5	54.29
5	P.C. Board - LV (Part of item 7)	-	-	-
6	Fuse	121RC52	0.3	13.10
7	P.C. Board - Control	188RC1363A	0.5	190.90
8	Timer	PB313E	0.5	50.00

* Prices are subject to change without notice

Housing Assembly for RC2163BFE

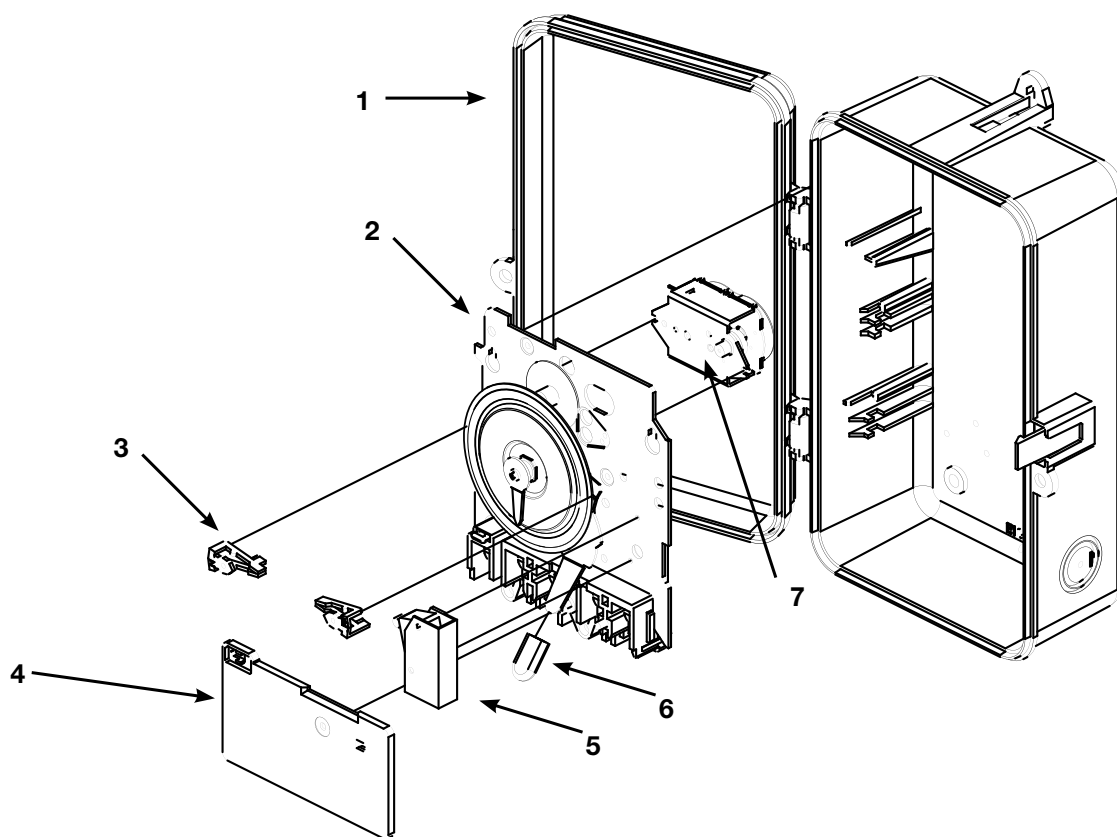


Item No.	Description	Part No.	Shipping Weight (lb.)	*List Price (\$)
1	Transformer	119RC335A	2.0	63.66
2	Plate - Housing	24AS6151-WWH	1.5	19.50
3	Relay - Pump	143RC151	0.5	54.29
4	P.C. Board - LV (Part of item 7)	-	-	-
5	Relay - Low Voltage	143RC151	0.5	54.29
6	Fuse	121RC52	0.1	13.10
7	P.C. Board - Control	188RC1712A	0.5	198.10
8	Timer	PB313E	0.5	50.00

* Prices are subject to change without notice

T100 Series Time Switches

Model No.	Item No. 1	Item No. 2	Item No. 5	Item No. 6
T101P3	2T2503A	T101M	None	WG1570-10
T101R3	2T2483GR	T101M	None	WG1570-10
T101P201	2T2503A	T101M201	156T4042A	WG430-10
T101R201	2T2483GR	T101M201	156T4042A	WG430-10
T104P3	2T2503A	T104M	None	WG1573-10
T104R3	2T2483GR	T104M	None	WG1573-10
T104P201	2T2503A	T104M201	156T4042A	WG433-10
T104R201	2T2483GR	T104M201	156T4042A	WG433-10
T106P3	2T2503A	T106M	-	WG1573-10



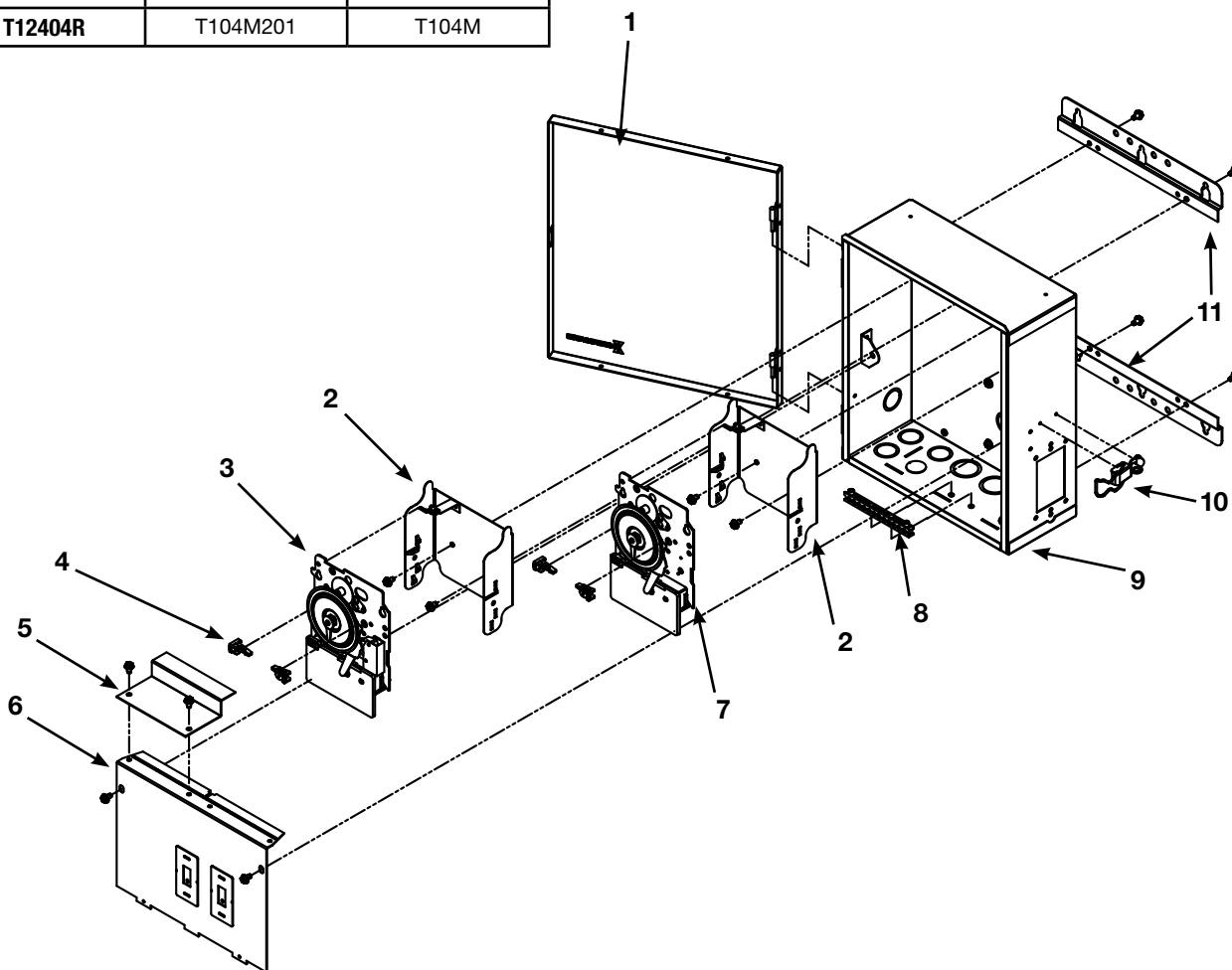
Item No.	Description	Part No.	Shipping Weight (lb.)	*List Price (\$)
1	Enclosure	See Table Above	3.0	92.27
2	Switch Mechanism - Complete	See Table Above	1.5	148.87 [†]
3	Tripper, (1) ON - (1) OFF per pack	156T1978A	0.3	3.65
4	Insulator - Terminals (10) per pack	124T2411A	0.5	16.91
5	Switch - Heater (Fireman)	See Table Above	0.5	30.62
6	Insulator - Slave (10) per pack	156T6738A	0.3	5.27
7	Motor - Clock	See Table Above	0.5	39.59 [†]

* Prices are subject to change without notice

† Price may vary depending on model selected

T10000R Series Control Centers

Model No.	Item No. 3	Item No. 7
T10000R	None	None
T10004R	None	T104M
T10006R	None	T106M
T10101R	T101M	T101M
T10404R	T104M	T104M
T10604R	T106M	T104M
T12404R	T104M201	T104M



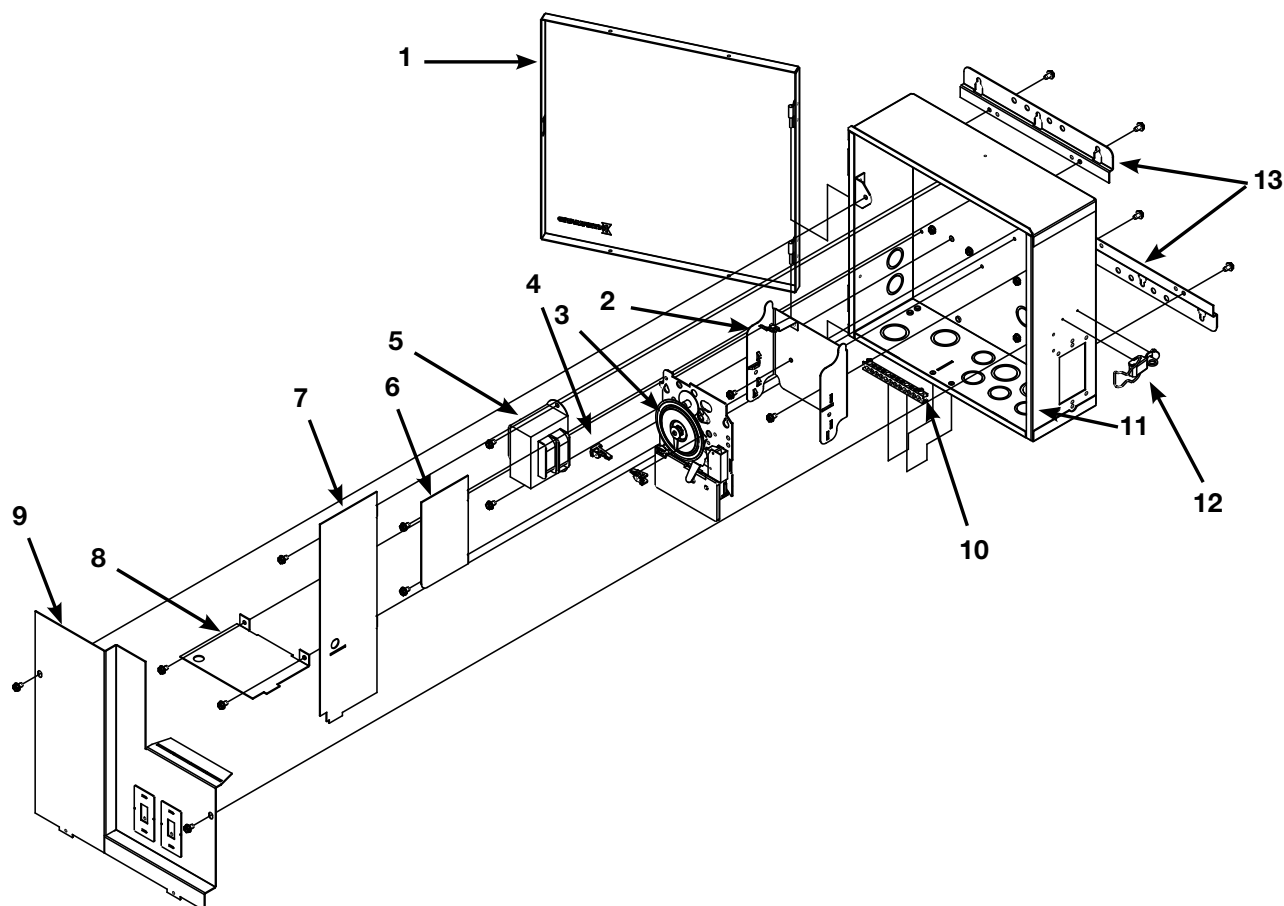
Item No.	Description	Part No.	Shipping Weight (lb.)	*List Price (\$)
1	Cover - Enclosure	6TP2819A-WWH	3.0	31.30
2	Bracket - Time Switch	22T338GR	0.8	10.61
3	Time Switch Mechanism #1	See Table Above	1.5	148.87 [†]
4	Tripper - Time Switch, (1) ON - (1) OFF per pack	156T1978A	0.3	3.65
5	Plate - Filler	24T5796-WWH	0.8	8.60
6	Plate - Dead Front	24TP6019-WWH	1.5	16.00
7	Mechanism #2	See Table Above	1.5	148.87 [†]
8	Terminal Bar - Grounding	130T1042	0.5	7.37
9	Case - Enclosure	2TP3388A-WWH	6.0	92.27
10	Latch - Enclosure	8--00008A	0.3	8.05
11	Bracket - Enclosure - Each	22T713	1.0	4.10

* Prices are subject to change without notice

† Price may vary depending on model selected

T10000RT Series Control Centers

MODEL NO.	ITEM NO. 5	SHIPPING WT. (LB)	LIST PRICE (\$)*
T10004RT1	119T267	3.5	74.51
T10004RT3	119T340	9	97.86

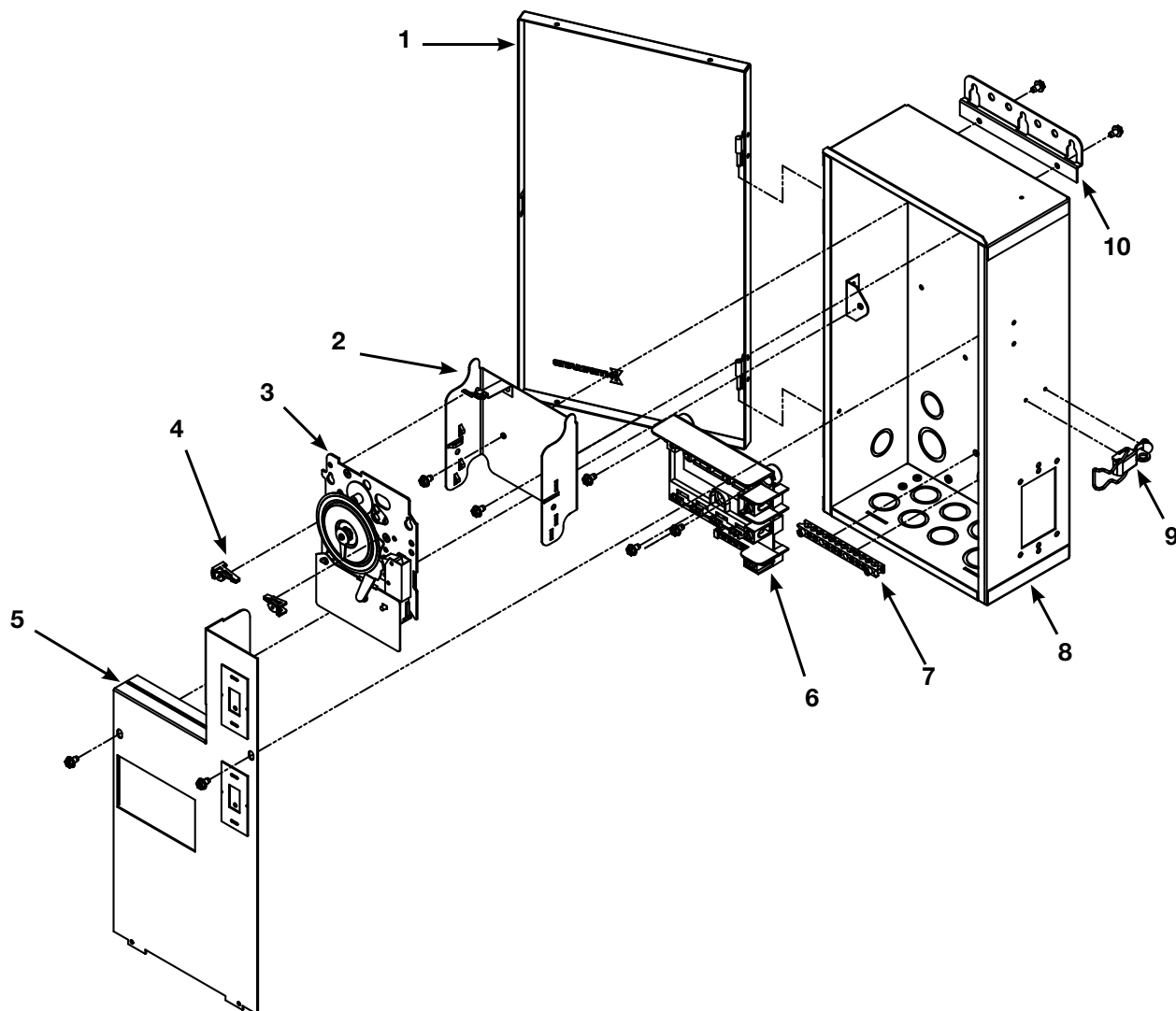


ITEM NO.	DESCRIPTION	PART NO.	SHIPPING WEIGHT (LB)	*LIST PRICE (\$)
1	Cover - Enclosure	6TP2834A-WWH	3.0	31.30
2	Bracket - Time Switch	22T338GR	0.8	10.61
3	Time Switch Mechanism	T104M	41.5	148.87
4	Tripper - Time Switch, (1) ON - (1) OFF per pack	156T1978A	0.3	3.65
5	Transformer	See Table Above	-	-
6	Plate - Divider	24TP6058-WWH	0.5	9.60
7	Plate - Barrier	24TP6059-WWH	0.8	23.20
8	Plate - Transformer	24TP5731-WWH	0.5	9.70
9	Plate - Dead Front	24TP6057-WWH	2.0	16.00
10	Terminal Bar - Grounding	130T1042	0.5	7.37
11	Case - Enclosure	2TP3397A-WWH	6.0	92.27
12	Latch - Enclosure	8--00008A	0.3	8.05
13	Bracket - Enclosure - Each	22T713	1.0	4.10

* Prices are subject to change without notice

T21000R Series Control Panels

MODEL NO.	ITEM NO. 3
T21000R	None
T21001R	T101M
T21004R	T104M



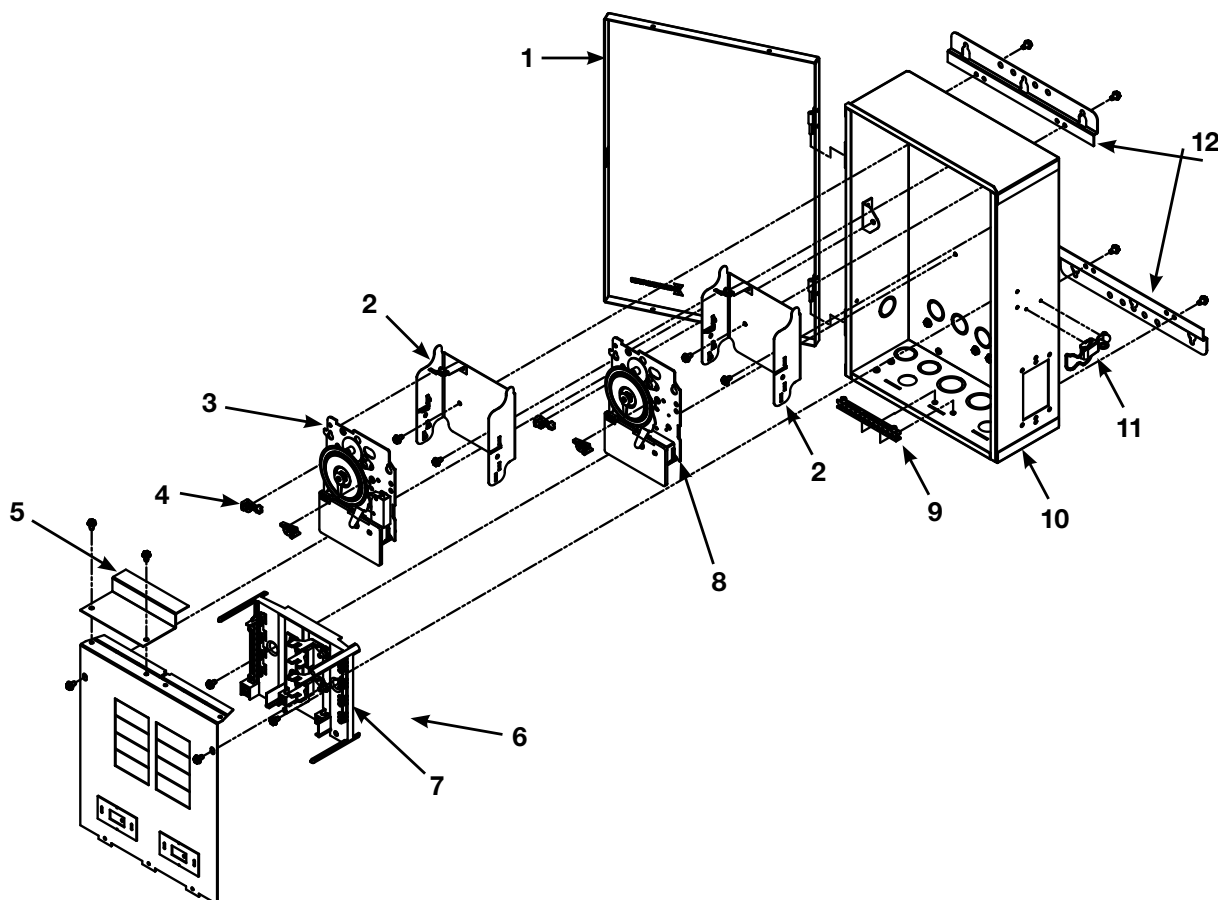
ITEM NO.	DESCRIPTION	PART NO.	SHIPPING WEIGHT (LB)	*LIST PRICE (\$)
1	Cover - Enclosure	6TP2776A	3.0	33.70
2	Bracket - Time Switch	22T338GR	0.8	10.61
3	Time Switch Mechanism	See Table Above	1.5	148.87 [†]
4	Tripper - Time Switch, (1) ON - (1) OFF per pack	156T1978A	0.3	3.65
5	Plate - Dead Front	24TP5981A-WWH	1.8	29.50
6	Breaker Base	124TP2608A	1.5	38.26
7	Terminal Bar - Grounding	130T1042	0.5	7.37
8	Case - Enclosure	2TP3350A	6.0	73.90
9	Latch - Enclosure	8--00008A	0.3	8.05
10	Bracket - Enclosure (1) per pack	22--00043-WWH	0.5	4.10

* Prices are subject to change without notice

† Price may vary depending on model selected

T30000R Series Control Panels

MODEL NO.	ITEM NO. 3	ITEM NO. 8
T30000R5	NONE	NONE
T30004R	NONE	T104M
T30401R	T104M	T101M
T30404R	T104M	T104M
T32404R	T104M201	T104M
T30604R	T106M	T104



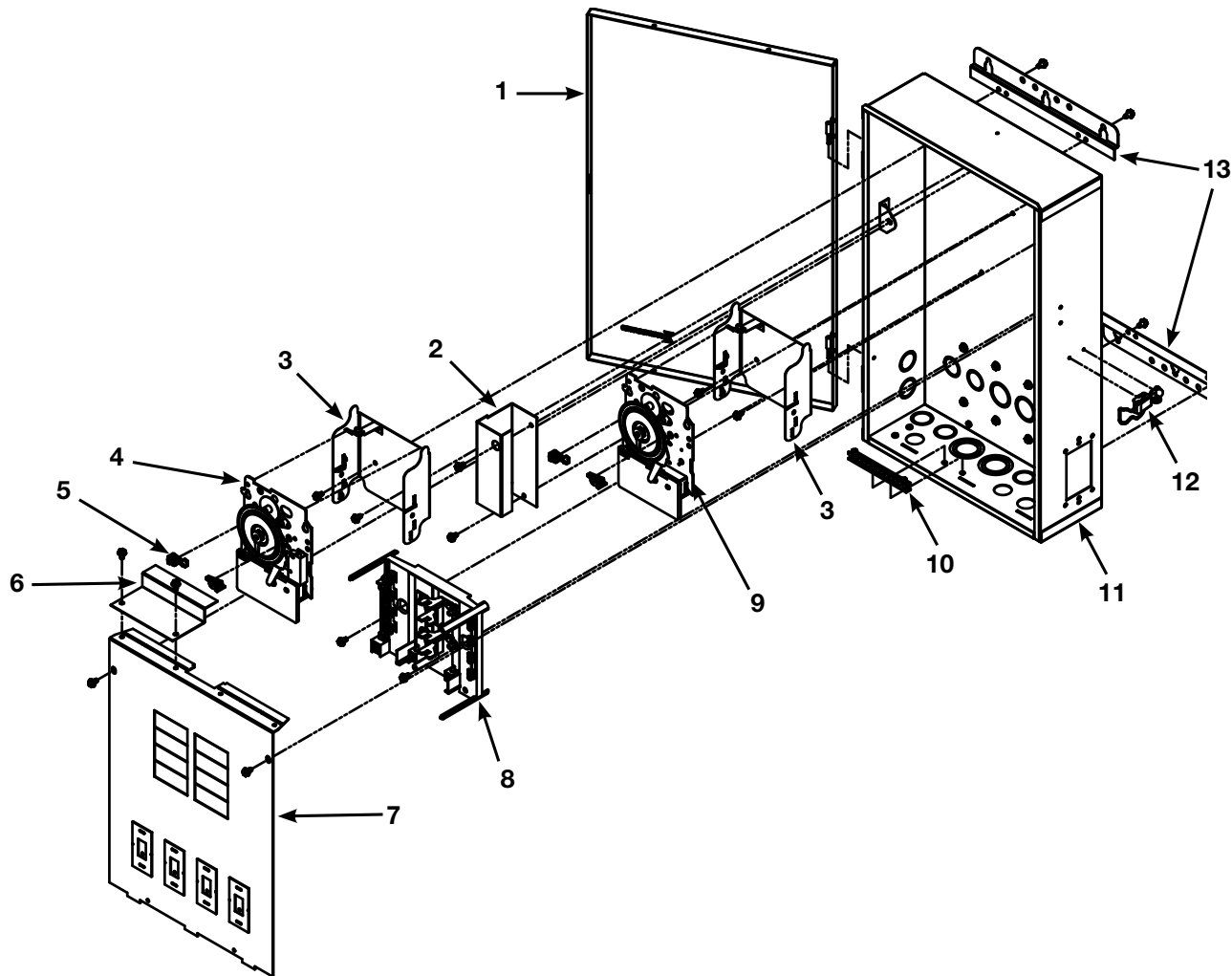
ITEM NO.	DESCRIPTION	PART NO.	SHIPPING WEIGHT (LB)	*LIST PRICE (\$)
1	Cover - Enclosure	6RC2344A	3.5	36.50
2	Bracket - Time Switch	22T338GR	0.8	10.61
3	Time Switch Mechanism #1	See Table Above	1.5	148.87 [†]
4	Tripper Time Switch - (1) ON - (1) OFF per pack	156T1978A	0.3	3.65
5	Plate - Filler	24T5796-WWH	0.8	8.60
6	Plate - Dead Front	24T5762	2.0	19.10
7	Breaker Base	124T2530A	1.5	41.79
8	Time Switch Mechanism #2	See Table Above	1.5	148.87 [†]
9	Terminal Bar - Grounding	130T1042	0.5	7.37
10	Case - Enclosure	2T3130A	6.5	73.70
11	Latch - Enclosure	8--00008A	0.3	8.05
12	Bracket - Enclosure - Each	22T713	1.0	4.10

* Prices are subject to change without notice

† Price may vary depending on model selected

T40000R Series Control Panels

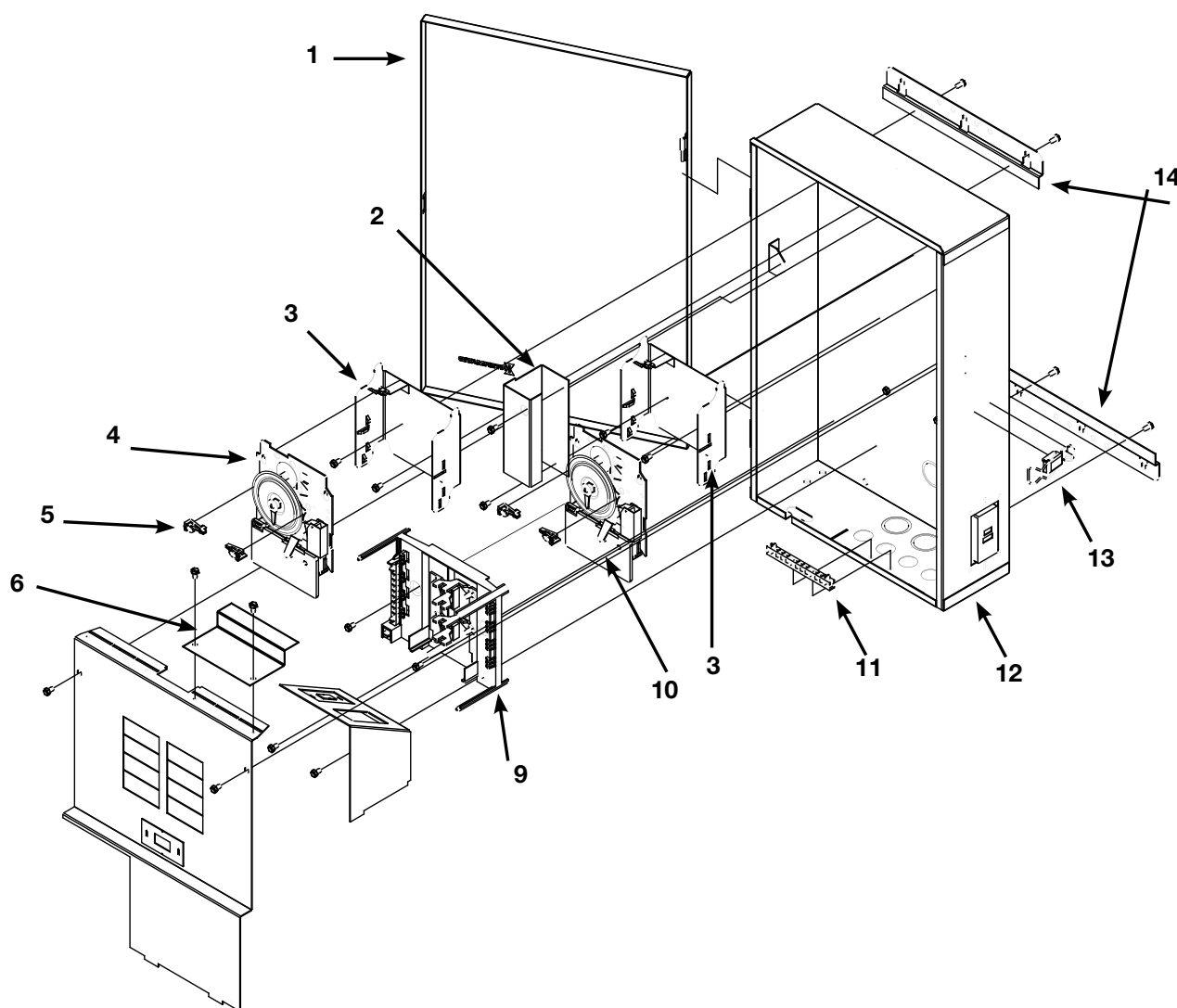
MODEL NO.	ITEM NO. 4	ITEM NO. 9
T40000R	NONE	NONE
T40004R	NONE	T104M
T40404R	T104M	T104M



ITEM NO.	DESCRIPTION	PART NO.	SHIPPING WEIGHT (LB)	*LIST PRICE (\$)
1	Cover - Enclosure	6T2496A-WWH	5.0	41.60
2	Plate - Wire Shield	24T5055-WWH	1.0	9.43
3	Bracket - Time Switch	22T338GR	0.8	10.61
4	Time Switch Mechanism #1	See Table Above	1.5	148.87
5	Tripper - Time Switch (1) ON - (1) OFF per pack	156T1978A	0.3	3.65
6	Plate - Filler	24T5796-WWH	0.8	8.60
7	Plate - Dead Front	24T5741-WWH	3.5	32.40
8	Breaker Base	124T2530A	1.5	41.79
9	Time Switch Mechanism #2	See Table Above	1.5	148.87
10	Terminal Bar - Grounding	130T1042	0.5	7.37
11	Case - Enclosure	2T3120A-WWH	11.0	95.40
12	Latch - Enclosure	8--00008A	0.3	8.05
13	Bracket - Enclosure - Each	22T713	1.0	4.10

* Prices are subject to change without notice

T40000R4 Load Center

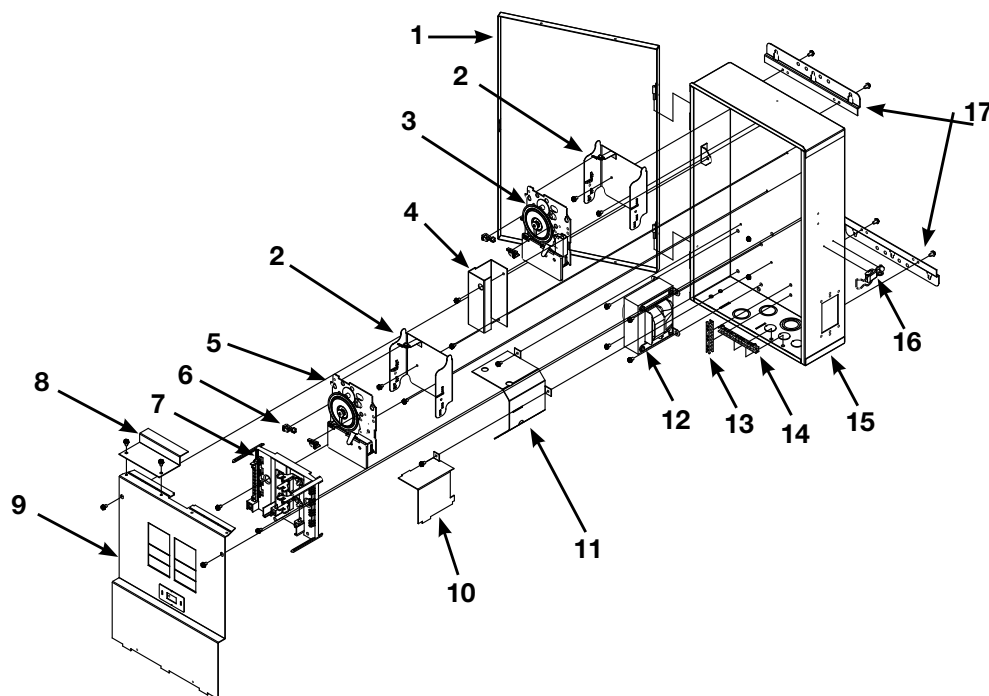


ITEM NO.	DESCRIPTION	PART NO.	SHIPPING WEIGHT (LB)	*LIST PRICE (\$)
1	Cover - Enclosure	6T2496A-WWH	5.0	41.60
2	Plate - Wire Shield	24T5055-WWH	1.0	9.93
3	Bracket - Time Switch	22T338GR	0.8	10.61
4	Time Switch Mechanism #1	None	-	-
5	Tripper - Time Switch (1) ON - (1) OFF per pack	156T1978A	0.3	3.65
6	Plate - Filler	24T5796-WWH	0.8	8.60
7	Plate - Dead Front	24T5744	3.5	28.90
8	Plate - GFCI	24T5312	41.0	13.10
9	Breaker Base	124T2530A	1.5	41.79
10	Time Switch Mechanism #2	None	-	-
11	Terminal Bar - Grounding	130T1042	0.5	7.37
12	Case - Enclosure	2T3124A	11.0	95.40
13	Latch - Enclosure	8--00008A	0.3	8.05
14	Bracket - Enclosure - Each	22T713	1.0	4.10

* Prices are subject to change without notice

T40000RT Series Load Centers

Model No.	Item No. 3	Item No. 5	Item No. 12	SHIPPING WT (LB)	*LIST PRICE (\$)
T40000RT3	None	None	119T340	9.00	97.86
T40003RT3	None	T103M	119T340	9.00	97.86
T40004RT1	None	T104M	119--00066	3.5	74.51
T40004RT3	None	T104M	119T340	9.00	97.86
T40604RT3	T106M	T104M	119T340	9.00	97.86



ITEM NO.	DESCRIPTION	PART NO.	SHIPPING WEIGHT (LB)	*LIST PRICE (\$)
1	Cover - Enclosure	6T2496A-WWH	5	41.60
2	Bracket - Time Switch	22T338GR	0.8	10.61
3	Time Switch Mechanism #1	See Table Above	-	148.87 [†]
4	Plate - Wire Shield	24T5055-WWH	1	9.93
5	Time Switch Mechanism #2	See Table Above	1.5	148.87 [†]
6	Tripper - Time Switch (1) ON - (1) OFF per pack	156T1978A	0.3	3.65
7	Breaker Base	124T2530A	1.5	41.79
8	Plate - Filler	24T5796-WWH	0.8	8.60
9	Plate - Dead Front	24TP5738	3.5	30.60
10	Plate - LV	24TP5971	1	6.15
11	Plate - Transformer	24TP5740	1	13.10
12	Transformer	See Table Above	-	-
13	Terminal - Grounding 6 Pole	130T1238	0.5	5.30
14	Terminal Bar- Grounding, 10 Pole	130T1042	0.5	7.37
15	Case - Enclosure	2TP3117A-WWH	11	95.40
16	Latch - Enclosure	8--00008A	0.3	8.05
17	Bracket - Enclosure ea.	22T713	1	4.10

* Prices are subject to change without notice

† Price may vary depending on model selected

Obsolete/Substitution Chart

For a complete and current Obsolete/Substitution list, please visit www.intermatic.com

MODEL	DESCRIPTION	REPLACED BY
P1102FE	A P1102ME Installed in a 2TP3352A Safety Case 240V Only	P1103FE
P1102ME	240 v.24hr. Single Circuit pool Control Mechanism	P1103FE
P1103ME	120/240 V 24 Hr.24 Hour Single Circuit pool Control Mechanism	P1103FE
P1161	One Circuit Portable outdoor Timer	P1261P
P1203FR	A P1102FE with a Separate Circuit Controlled by a RC613L	P1103FE & RC2103S
P1261PE	Two Circuit Portable outdoor Timer	P1261P
P7101ME	7 Day Single Circuit Pool Control Mechanism (20A, 1HP, 120VAC Only)	P7103ME
P7102ME	7 Day Single Circuit Pool Control Mechanism ((30A, 3HP, 240VAC Only)	P7103ME
PB912M10R	Panel mount timer	PB913N
PE1501RC	Wireless 4 Circuit 100 Amp Pool/Spa Sys w/Wireless Control	PE30065RC
PE153RC	P1353ME in Steel Outdoor Enclosure & Radio Remote	PE653RC
PE153W	P1353ME in Steel Outdoor Enclosure w/100' Wired Remote	PE653RC
PE153WF	P1353ME inSteel Outdoor Enclosure w/100' Wired Remote & Freeze	PE653RC
PE1541RC	Wireless 4 Circuit 100 Amp Pool/Spa Sys w/Wireless Cont & 2 Actuators	PE34065RC
PE25300RC	P1353ME In Outdoor Enclosure with 60 Amp Bus & Radio Control	PE20065RC
PE35300RC	P1353ME5 In Outdoor Enclosure with 80 Amp Bus & Radio Control	PE30065RC
PE35343RC	Wireless 5 Circuit 80 Amp Pool/Spa System w/1-P1353ME,P4243ME	PE34065RC
PE45343RC	5 Circuit 125Amp Pool/Spa System w/1-P1353ME,P4243ME,& 2 Actuators	PE34065RC
PE45343RCT3	Wireless t 125Amp Pool/Spa System	PE34065RCT3
PE650	Wireless Receiver for P1353ME and/or P4243ME Mechs	N/A
PE950	Wireless Transmitter for P1353ME and/or P4243ME Mechs	PE953
PF1222TB	Multi Circuit Freeze prot. Panel	PF1222TB1
RC2103E	120/240v 50/60 Hz On/Off (SPST)	RC2103S
RC2112S	240V 50/60 Hz. On/Off (DPST)	RC2103S
RC2113ST	120/240V 60 Hz. On/Time Delay Off (DPST)	None
RC2123MT	120/240V SPDT One circuit Air Switch Mechanism w/Timer	RC2123PT
RC2123S	120/240V 50/60 Hz. High/Low (SPDT)	RC2123PT
RC2133M	120/240V DPDT One Circuit Air Switch Mechanism	RC2123PT
RC2133P	120/240V DPST One Circuit Air Switch in Plastic Enclosure	RC2123PT
RC2163E	Pool-To-Spa Air Control w/2 Actuators	RC2163BE
RC2163FE	Pool-To-Spa Control Panel w/2 Actuators	RC2163BFE
RC2233P	120/240V DPDT and DPST Two Circuit Air Switch in Plastic Enclosure	RC2103S
RC2263BE	Pool-To-Spa 4-Funct. Air Cont. w/2 Actuators,	RC2163BE & RC2103S
RC2263E	Pool-To-Spa 4-Funct. Air Control	RC2163BE & RC2103S
RC2343M	120/240V Four Function Air Switch Mechanism	RC2343PT
RC2343MT	120/240V Four Function Air Switch Mechanism w/Timer	RC2343PT
RC2343P	120/240V (4) Function Two Circuit Air Switch in Plastic Enclosure	RC2343PT
RC2403RT	120/240V (4) Function + 1 Circuit Air Switch w/Timer	RC2343PT & RC2103S
RC4F	Air Button	RC4G
T20004R	One T104M in Outdoor Enclosure	T21004R
T40004R5	125 Amp Load Center w/T104M and inside Compartment	T40000R4
T40404R5	125 Amp Load Center w/T104M and inside Compartment	T40000R4

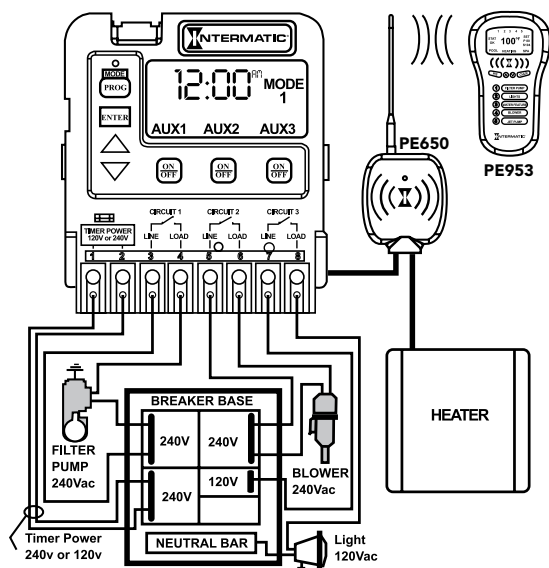


Wiring Diagrams

P1353ME Mode Applications

3 Circuit Pre-Programmed Options

Setting up the P1353ME Series 3-circuit timer is easy. Intermatic has already pre-programmed the most popular pool/spa/auxiliary combinations for your convenience. Just choose the mode that best suits your needs!



Mode 1 – (Aux1, Aux2, Aux3)

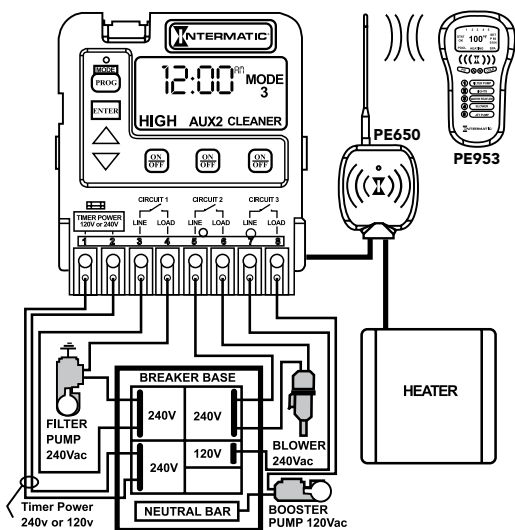
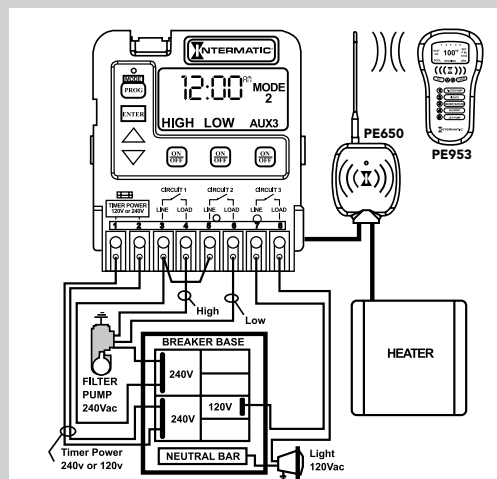
Each of the three single pole circuits are defined generically, and can control any load within each of its individual circuit ratings. All three circuits act independently of each other.

Applications: In Mode 1, the P1353ME Three Circuit Clock Mechanism is ideal for pool or spa only applications where each piece of equipment is independently controlled. With the addition of a PE650 Receiver and PE953 controller, you can easily add wireless control to your equipment and thermostat control to your pool or spa. Each of the three circuits is rated for up to 3 HP and can handle both 120 VAC and 240 VAC equipment loads. This is the most versatile timer in the market today and can be added to almost all Intermatic control panels, both new and existing, making it ideal for upgrades to older Intermatic systems.

Mode 2 – (Pump High, Pump Low, Aux3)

Circuits one and two are dedicated single pole outputs for a two-speed pump load. Circuits one and two will never be ON at the same time, consistent with a two-speed pump application. Circuit three is a single pole circuit for a generic load, and independent of circuits one and two.

Applications: In Mode 2, the P1353ME Three Circuit Clock mechanism acts as a two speed controller and can be used for two speed pool applications but is ideal for spa applications where the filter pump on the spa is used for filtering in low speed and used for jets in high speed. The remaining circuit can be used for spa lights or blower. With the addition of a PE650 Receiver and PE953 controller, you can easily add wireless control to your equipment and thermostat control to your pool or spa.



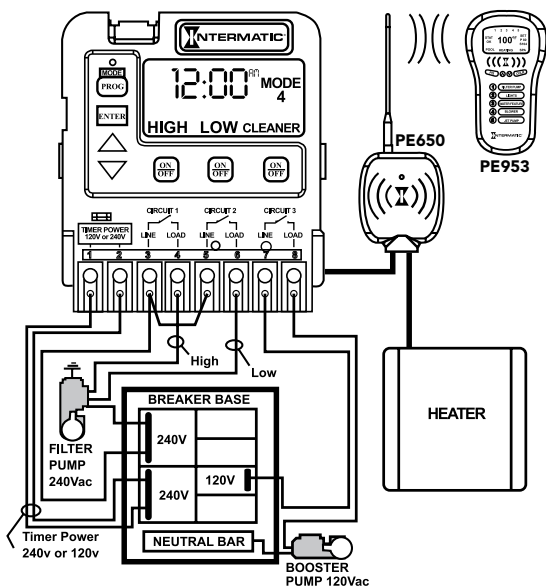
Mode 3 – (Pump, Aux2, Cleaner Pump)

Circuits one and three are dedicated single pole outputs for a single speed pump working with a pressure side cleaner pump. Circuit three will never come ON unless circuit one is ON for at least one minute, consistent with a pressure side cleaner pump. Circuit two is a single pole circuit for a generic load, independent of circuits one and three.

Applications: In Mode 3, the P1353ME Three Circuit Clock mechanism is ideal for pool applications where a Booster/Cleaner pump is being controlled. In this mode, if the filter pump is OFF, the Booster/Cleaner pump will activate the filter pump first and then turn itself ON when activated. This ensures adequate priming of the booster/cleaner pump. The remaining circuit can be used for lights. With the addition of a PE650 Receiver and PE953 controller, you can easily add wireless control to your equipment and thermostat control to your pool.

P1353ME Mode Applications

3 Circuit Pre-Programmed Options Continued



Mode 4 – (Pump High, Pump Low, Cleaner Pump)

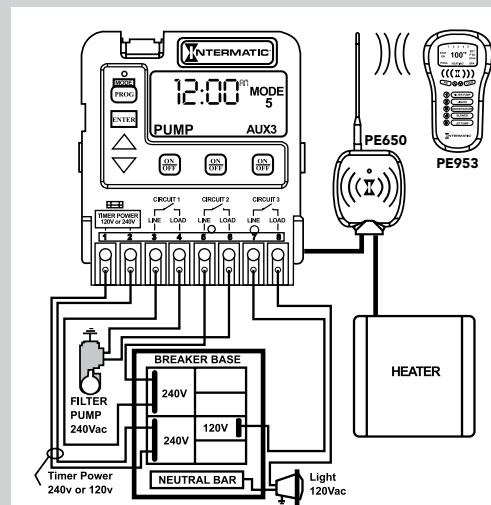
Circuits one and two are dedicated single pole outputs for a two-speed pump load. Circuits one and two will never be ON at the same time, consistent with a two-speed pump application. Circuit three is also a dedicated single pole output for a pressure side cleaner pump. Circuit three will never come ON unless circuit one is ON for at least one minute, consistent with a pressure side cleaner pump.

Applications: In Mode 4, the P1353ME Three Circuit Clock Mechanism acts as a two-speed controller and is ideal for pool applications where a booster/cleaner pump is being controlled. In this mode, if the filter pump is OFF or in low speed, the booster/cleaner pump will activate the filter pump in high speed first and then turn itself ON when activated. This ensures adequate priming of the booster/cleaner pump. With the addition of a PE650 controller and PE953 Transmitter, you can easily add wireless control to your equipment and thermostat control to your pool.

Mode 5 – (Pump, Pump, Aux3)

Circuits one and two are now coupled together making one circuit capable of switching the power source to one pump. The ON/OFF button for circuit one now controls both circuit one and two simultaneously. The ON/OFF button for circuit two is disabled. Circuit three remains a single pole circuit for a generic load and is independent of circuits one and two.

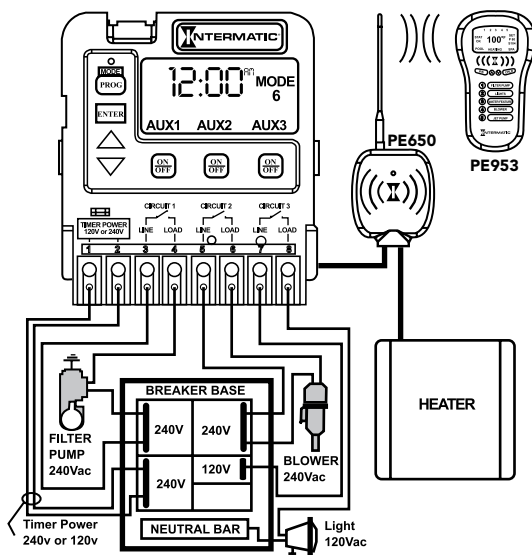
Applications: In Mode 5, the P1353ME Three Circuit Clock Mechanism acts as a two circuit clock to allow the breaking of both hot legs in a 240 VAC equipment hookup on circuit 1. Even though the P1353ME is not a disconnect, and you can easily control a 240 VAC load by breaking only one leg, some wiring situations may dictate breaking both legs of a 240 VAC load. It is a good service practice to always open the equipment circuit breaker and red tag it appropriately when working on pool or spa equipment. When working on equipment, DO NOT rely on any clock to disconnect power. The clock may be scheduled to turn ON during servicing.



Mode 6 – (Aux1, Aux2, Aux3)

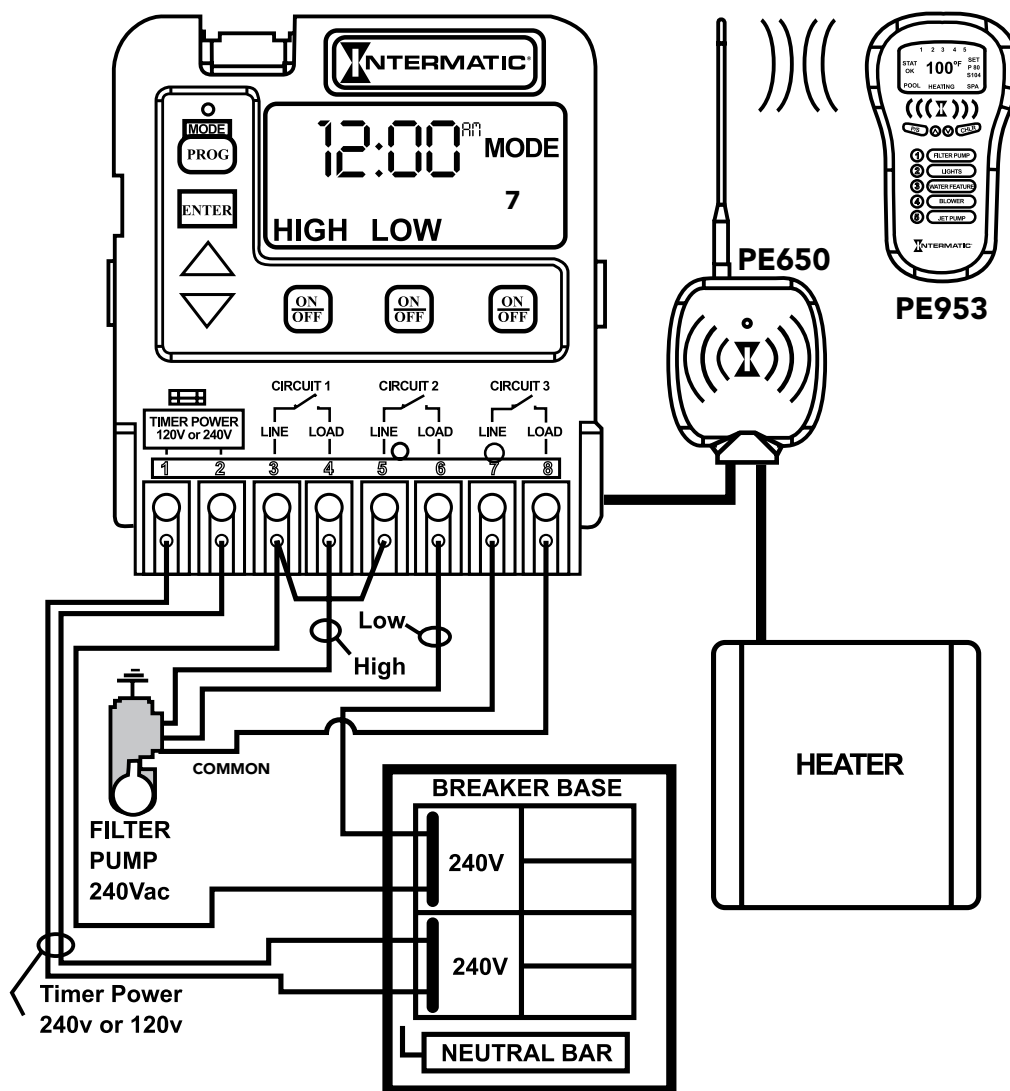
Identical to Mode 1 in which each of the three single pole circuits are defined generically and can control any load within each of its individual circuit ratings, with all three circuits acting independent of each other. However, with Mode 6, the fireman switch closes only when Circuit 1 (the filter pump) is manually turned ON, not when the clock turns it ON. This mode is useful when you have Circuit 1 connected to a circulation pump in the spa. When the spa is not in use, the clock circulates the water to filter it, but does not turn ON the heater. When the spa is in use, the heater is also turned ON by manually switching Circuit 1 ON.

Applications: In Mode 6, the P1353ME Three Circuit Clock Mechanism is ideal for spa applications where you need to control three pieces of individual equipment (circulation pump, blower, light), but do not want to heat the spa while it's not in use.



P1353ME Mode Applications

3 Circuit Pre-Programmed Options Continued



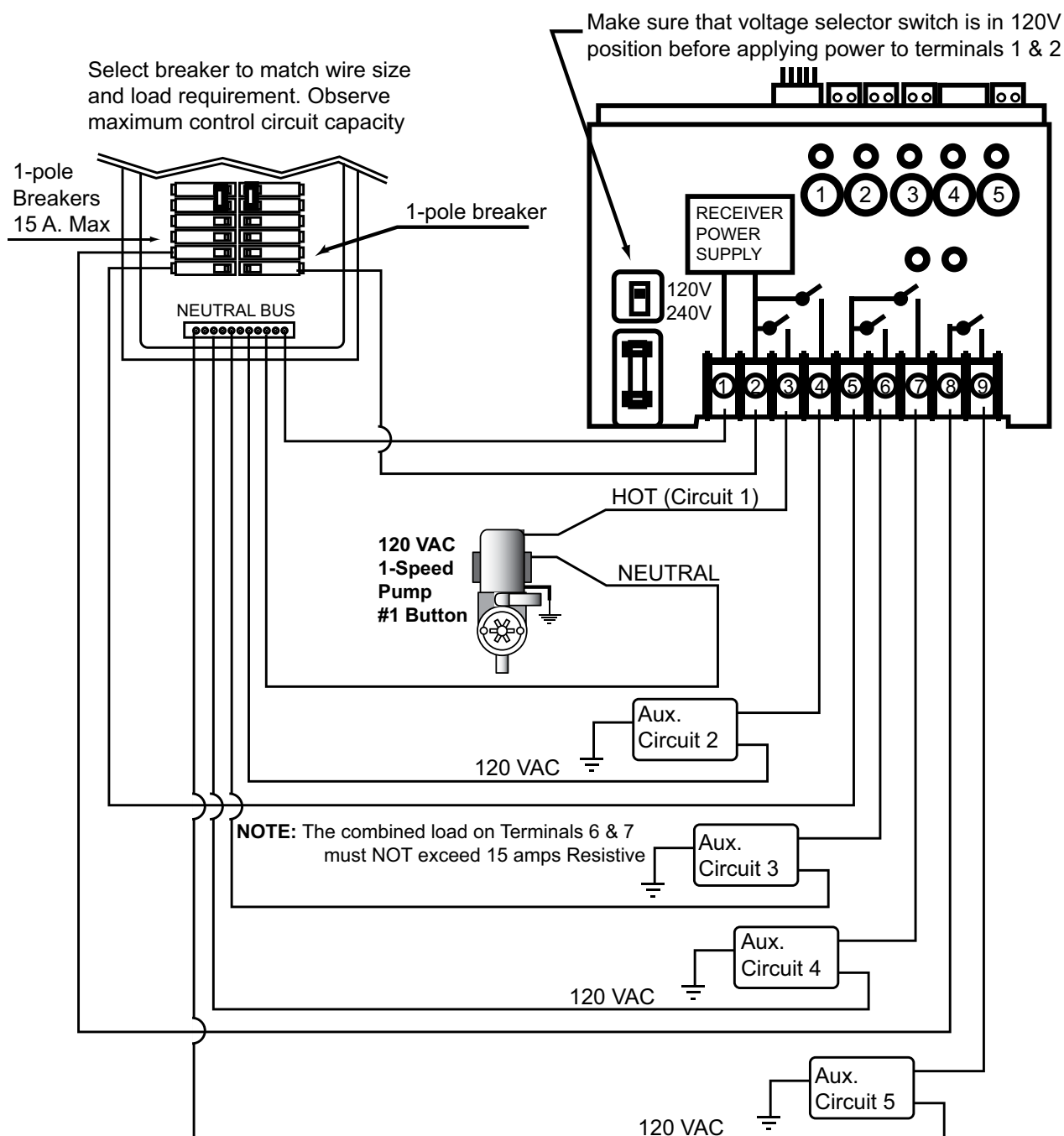
Mode 7 – (Pump High, Pump Low, Common)

Circuits one and two are dedicated single pole outputs for a two-speed pump load. Circuits one and two will never be ON at the same time, consistent with a two-speed pump application. Circuit three is a single pole circuit tied to circuits one and two and used to control the common line of the two speed pump. In Mode 7, all three circuits are used to control the two-speed pump and break both legs of a 240 VAC pump installation.

Applications: In Mode 7, the P1353ME Three Circuit Clock Mechanism acts as a two-speed controller and can be used for two-speed pool applications but is ideal for spa applications where the filter pump on the spa is used for filtering in low speed and used for jets in high speed. The remaining circuit is used to open the second hot leg of a 240 VAC two speed installation when the pump is turned to the OFF position. With the addition of a PE650 Receiver and PE953 Controller, you can easily add wireless control to your equipment and add thermostat control to your pool or spa.

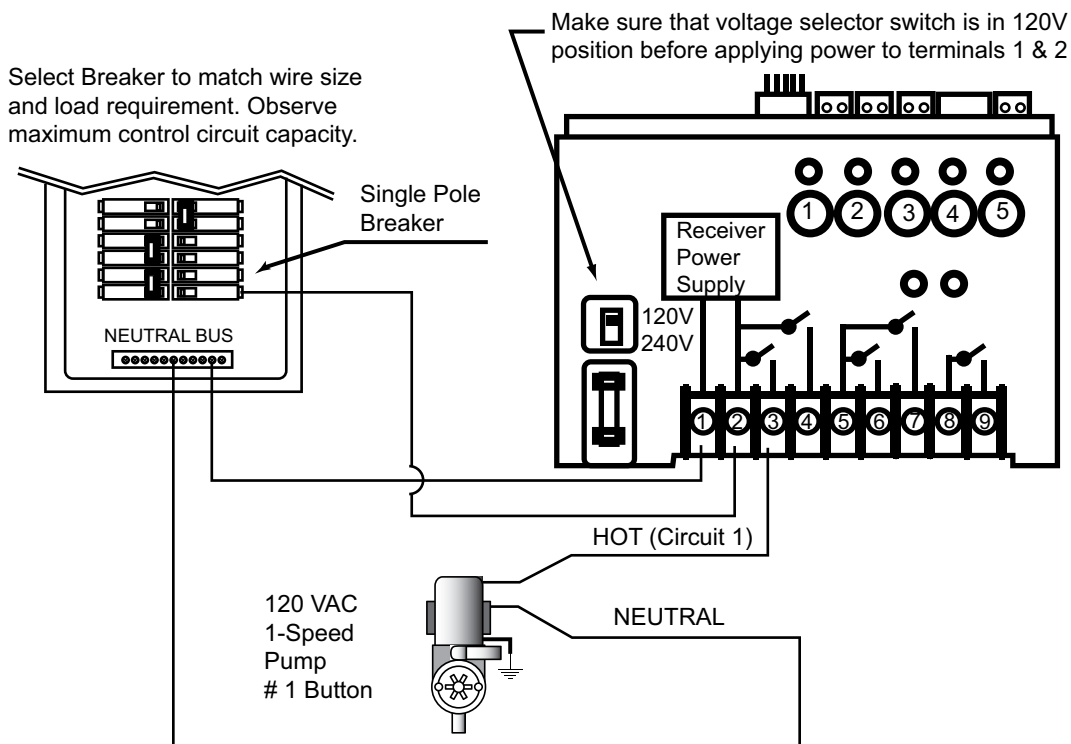
MultiWave PE653RC

120 VAC 1-speed pump and 120 VAC Auxiliary Equipment

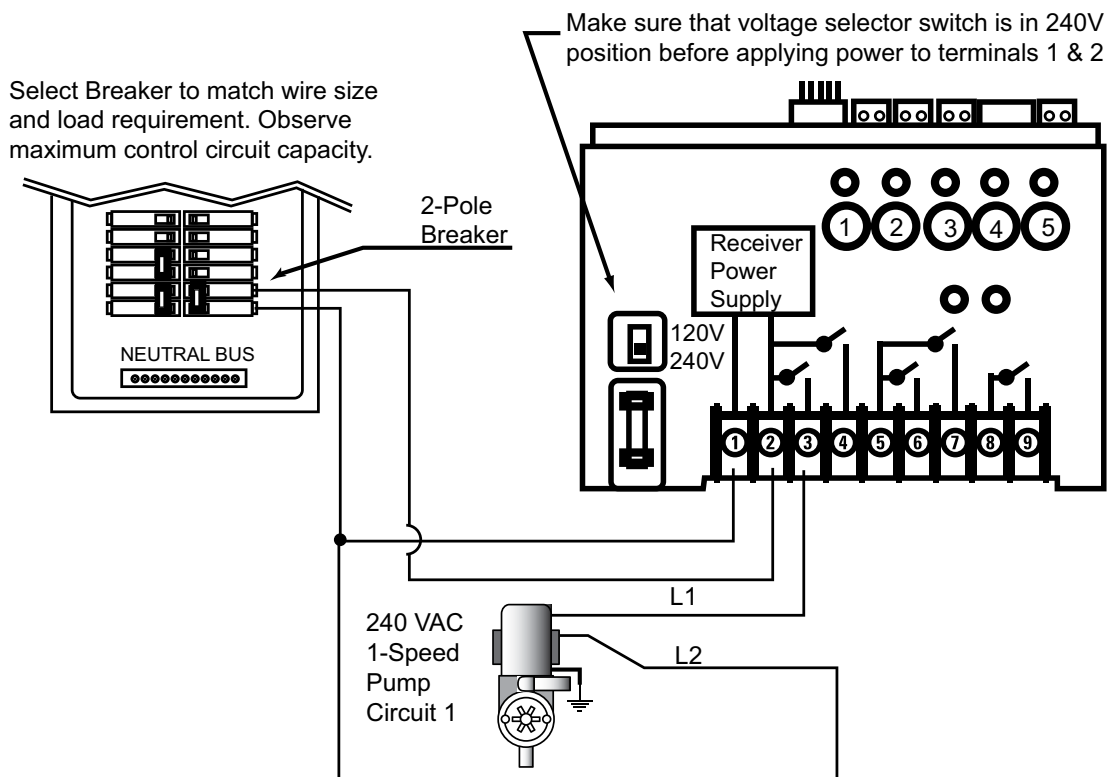


MultiWave PE653RC

120 VAC 1-speed pump

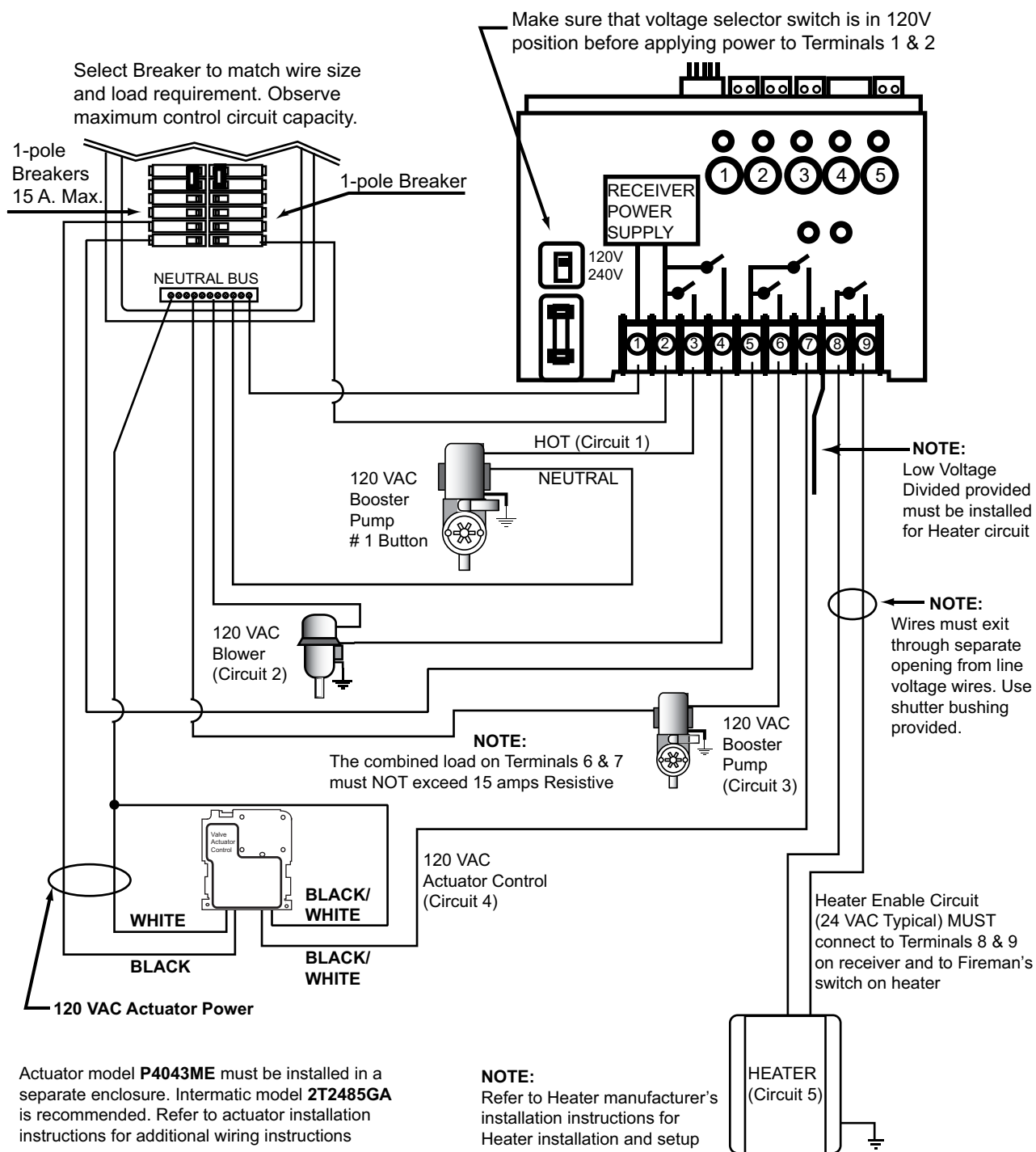


240 VAC 1-speed pump



MultiWave PE653RC

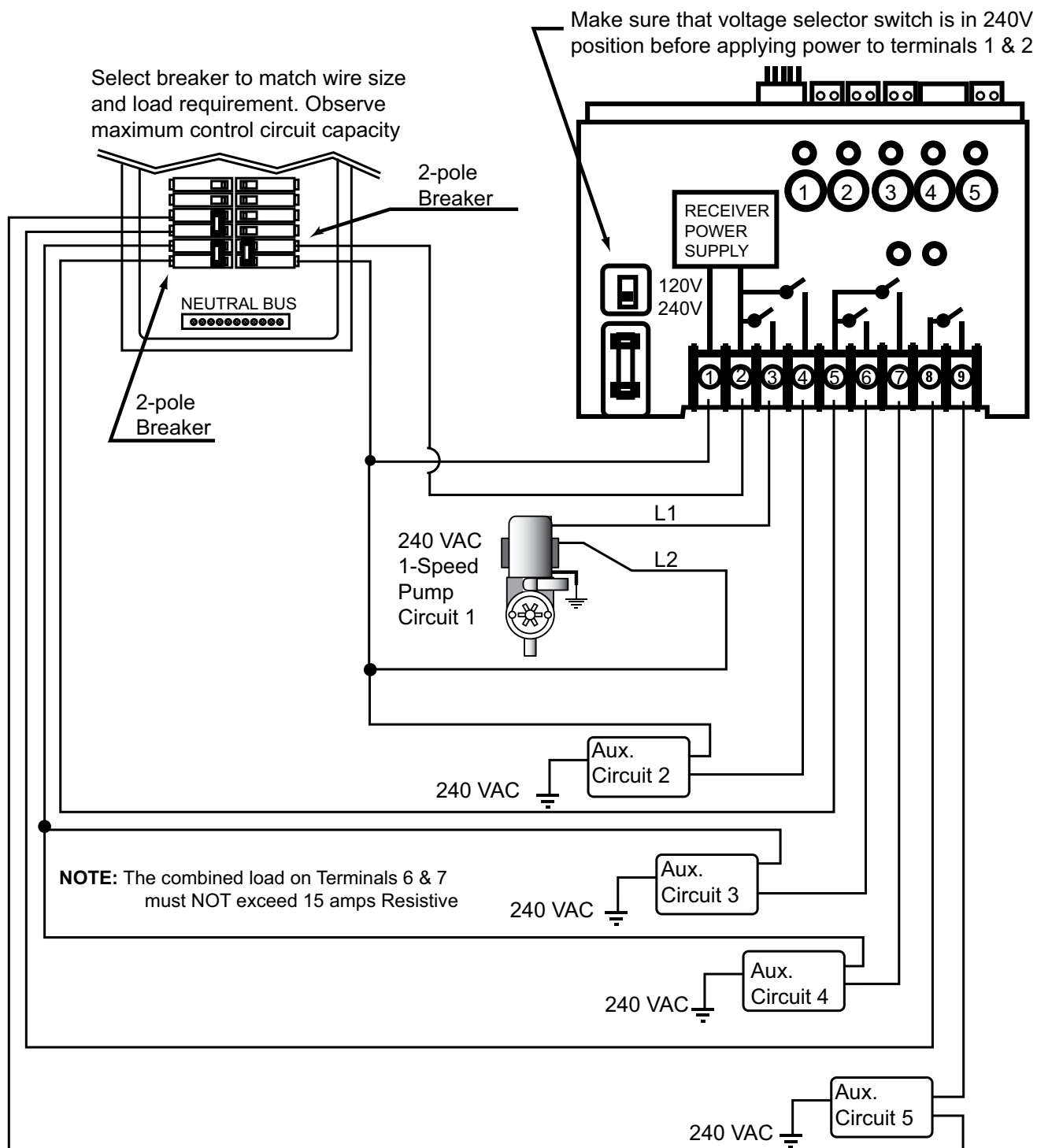
120 VAC 1-speed pump and 120 VAC Blower or Lights and 120 VAC Booster pump and 120 VAC Actuator plus Heater



Actuator model **P4043ME** must be installed in a separate enclosure. Intermatic model **2T2485GA** is recommended. Refer to actuator installation instructions for additional wiring instructions

MultiWave PE653RC

240 VAC 1-speed pump and any Four 240 VAC Auxiliary Equipment



[illegible]

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