



Controls with Freeze Protection

One Circuit Control

These Freeze Protection Controls are designed to protect the Pool or Spa equipment and plumbing against freeze damage. They turn ON the pump and the heater when the outdoor temperature reaches the temperature set by the user adjustable thermostat.

Models without timer connect to a timing or switching device and together, they control operation of the equipment as well as protect it against freeze damage. Models with timer provide both automation and protection for the equipment.

These controls can be installed outdoors and are designed to withstand extreme temperatures, high humidity, rain and chemicals typically found around pools and spas.



PF1103T

Applications

- Filter pumps
- Water falls
- Water features

One and Two Circuit Control Panels

These heavy duty time controls are designed especially for pools with a cleaner, requiring two interconnected time switches as well as freeze protection. They will automatically control the filter pump and the booster pump, turn OFF the heater 20 minutes before the filter pump shuts OFF and protect the equipment against freeze damage. In addition, they have provision to install switches or GFCI receptacle on the side of enclosure. These all-in-one pool controls reduce the cost of installation while providing for custom wiring to satisfy special needs or local code requirements.

These controls can be installed outdoors and are designed to withstand extreme temperatures, high humidity, rain and chemicals typically found around pools and spas.



PF1202T

Applications

- Filter pumps
- Filter pump-booster pump combinations
- Pool-spa combinations
- Fountains



One Circuit Controls with Freeze Protection



PF1103T

Model Number	Description	Electrical Input	Rating H.P.	Shipping Weight
PF1102	Thermostat only. For 240V installation.	240V	3	3.75 lbs.
PF1102M	Same as above, mechanism only.	240V	3	2.00 lbs.
PF1102T	Timer with thermostat. For 240V installation	240V	3	4.50 lbs.
PF1102MT	Same as above, mechanism only.	240V	3	2.50 lbs.
PF1103	Thermostat only. For 120/240V installation	120/240V*	1.5/3	3.75 lbs.
PF1103M	Same as above, mechanism only.	120/240V*	1.5/3	2.00 lbs.
PF1103T	Timer with thermostat. For 120/240V installation.	120/240V*	1.5/3	4.50 lbs.
PF1103MT	Same as above, mechanism only.	120/240V*	1.5/3	2.50 lbs.

*Neutral must be installed.

Case 0.034 inch drawn steel, electrostatically coated, beige color. Hasp, with hole for lock, holds permanently attached side-hinged door closed.

Size 9-3/8" (23.8 cm) high x 5-1/4" (14.0 cm) wide x 3-5/8" (9.2 cm) deep.

Knockouts Two 1/2" – 3/4" combination knockouts on the bottom, one on each side and one on the back.

Thermostat Range 45° – 33°F with 5 degrees differential.

Agency Approval CSA/C-US

One and Two Circuit Control Panels with Freeze Protection



PF1202T

Model Number	Description	Electrical Input	Rating H.P.	Shipping Weight
PF1112T	For pools requiring one time switch	240V	3	8.0 lbs.
PF1202T	For pools with cleaner, requiring two time switches	240V	3	10.0 lbs.
PF1222TB	Same as above with 4/8 breaker base and heater protection	240V	3	17.0 lbs.

For additional trippers (2 "ON" 2 "OFF" per pack), order No. 156TN10398A.

PF1112T and PF1202T

Case 12" (30.5 cm) high x 12" (30.5 cm) wide x 4-1/4" (10.8 cm) deep, 0.048" steel with electrostatically applied light beige finish.

Knockouts Five combination 1/2" – 3/4" and two combination 3/4" – 1" knockouts on the bottom. One combination 1/2" – 3/4" on the left side and one combination 3/4" – 1" on the back. One knockout 1-3/4" x 2-3/4" on the right side for mounting switch or GFCl.

Time Switch Rating 40 Amp. resistive each pole 120–240 VAC, 40 Amp. tungsten, inductive or 1000 VA pilot duty each pole 120–240 VAC 2 H.P. (24 FLA) – 120 VAC; 5 H.P. (28 FLA) – 240 VAC.

Thermostat Range 45° – 32°F with 5 degrees differential.

Agency Approval CSA/C-US

PF1112TB

Case 16-1/2" (41.9 cm) high x 10-7/8" (27.6 cm) wide x 4-1/4" (10.8 cm) deep, 0.048" steel with electrostatically applied beige finish.

Knockouts Two 1/2", three combination 1/2" – 3/4" and two combination 3/4" – 1" knockouts on the bottom. One combination 3/4" – 1" on the left side. Four 1/2", three combination 1/2" – 3/4" on the back. One 1-3/4" x 2-3/4" knockout on the right side for mounting switch or GFCl.

Panel Rating 100 Amp. max., 120-240 VAC or 120-208 VAC single phase.

Time Switch Rating 40 Amp. resistive each pole 120–240 VAC, 40 Amp. tungsten, inductive or 1000 VA pilot duty each pole 120–240 VAC 2 H.P. (24 FLA) – 120 VAC; 5 H.P. (28 FLA) – 240 VAC.

Thermostat Range 45° – 32°F with 5 degrees differential.



PF1222TB

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