

TightWatt Technical Data Sheet

Part # TW-PFC

Overview

The TightWatt is an intelligent, year-round pool controller. The patent-pending year-round schedule allows significant efficiency gains over a 24-hour timer. The TightWatt is capable of controlling a primary or booster pump up to 25A (2HP) motor.

Low Consumer Cost

In most cases, the TightWatt can install into the customers existing enclosure. This reduces labor cost and also saves the cost of buying a new enclosure. The TightWatt itself is generally less expensive than other digital controls on the market, even though it has considerable greater efficiency.

Installation

The TightWatt has been designed to snap into existing Intermatic enclosures (the most popular enclosure on the market), dramatically reducing installation time. Installation of the controller itself takes just a couple minutes.

Automatic Cycle Operation

The TightWatt is an intelligent year-round control for a pool system, and is designed to take advantage of the seasonal temperature variation which allows a pool filter to run less during colder months and still maintain water quality. The user sets 2 time durations (summer run, winter run). The TightWatt then uses these values to compute a year-round run schedule (example below).

Some pool professionals adjust the pump run-time twice a year (once in spring, once in fall). Relieving the consumer/ pool maintenance person of the task of manually adjusting a 24-hour timer (if it is adjusted at all) produces significant electrical savings over the course of a year.

Manual cycle operation

The user has the option to run a manual cycle for a specified duration. The manual cycle will only run once. Following the manual cycle, the controller will revert to automatic cycles each day.

Time of Use

The TightWatt allows up to 2 start times per day, and start times are set by the user. This flexibility allows it to work well with most time-of-use plans. Default settings of the controller cause the pool equipment to run at night in an effort to shift the load from daytime hours.

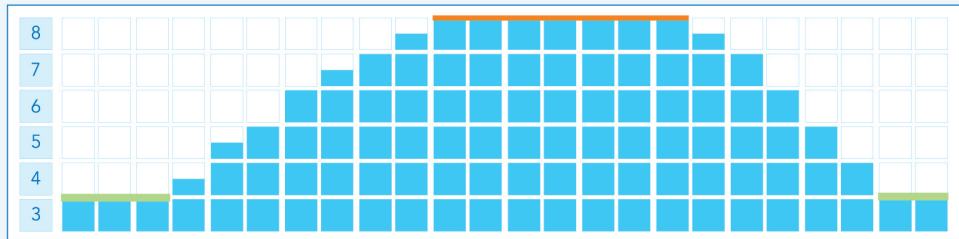
Supported Accessories

- X-10 interface (for remote control and home automation interfacing - ver. 2.0 and later)
- Freeze sensor (turns on pump during cold temperatures to prevent plumbing damage - ver 4.4 and later)

Electrical Ratings for TightWatt (TW-PFC)

Input rating: 120V or 240V AC, 50/60 Hz
 Load rating: 120V or 240V AC respectively, 50/60 Hz, 25A, 2HP
 Surge protection: 1kV surge protection
 Switching: double-pole switches offer increased safety

TightWatt Can Save \$690 During the 3-Year Warranty Period!



Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

Graph Key
 # = Total Daily Run-Time in Hours
 □ = TightWatt Self-Adjusts - Pump Off - Savings of \$4.50
 ■ = TightWatt Running Pump - Cost of \$4.50

TightWatt User Settings
 ■ = Winter Run Time
 ■ = Summer Run Time

Annual Energy Cost*: Mech. Timer 8hrs/day = \$864 | TightWatt timer 8hr Summer & 3hr Winter = \$632.25 | **Savings = \$231.75**

*Your results may vary. Energy Costs & Savings based on an energy rate of \$.15 / kWh, running a Single-Speed 2kW Pool Pump. Mechanical Timer Running 8 hrs/day/year-round VS TightWatt set for a Summer Run-Time of 8 hr & Winter Run-Time of 3 hr

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