

Model DPT-1 Percentage Timer Instruction & Maintenance Manual



Table of Contents

Contents	Page No.
I. Introduction	1
A. Description	1
II. Installation	
A. Mounting Instructions	1
B. Typical Installation Drawing	2
III. Front Panel	
A. Front Panel Drawing	3
B. Front Panel Description	3
IV. Start Up and Operation	4
V. Troubleshooting	4
VI. Warranty	5

VI. Advantage's Product Warranty

Advantage Controls, Inc. warrants control systems of its manufacture to be free of defects in material or workmanship. Liability under this policy extends for 24 months from date of installation. Liability is limited to repair or replacement of any failed equipment or part proven defective in material or workmanship upon manufacturer's examination. Removal and installation costs are not included under this warranty. Manufacturer's liability shall never exceed the selling price of equipment or part in question.

Advantage disclaims all liability for damage its products caused by improper installation, maintenance, use or attempts to operate products beyond their intended functionality, intentionally or otherwise, or any unauthorized repair. Advantage is not responsible for damages, injuries or expense incurred through the use of its products.

The above warranty is in lieu of other warranties, either expressed or implied. No agent of ours is authorized to provide any warranty other than the above.

30 Day Billing Memo Policy

Advantage Controls, Inc. maintains a unique factory exchange program to ensure uninterrupted service with minimum downtime. If your controller malfunctions, call 1-800-743-7431, provide our technician with Model and Serial Number information. If he is unable to diagnose and solve your problem over the phone, a fully warranted replacement panel will be shipped, usually within 48 hours, on a 30 Day Billing Memo.

This service requires a purchase order and the replacement panel is billed to your regular account for payment.

The replacement panel will be billed at current list price for that model less any applicable resale discount. Upon return of your old panel, credit will be issued to your account at either 100% if your unit is in warranty or at 50% if your unit was out of warranty. The total charge for this exchange is 50% of the current list price for that panel with all resale discounts applying. The exchange covers only the panel. Electrode and enclosure are not included.

IV. Start Up and Operation

1. Install the unit per the installation drawing on page 3..
2. Connect all externally controlled devices and supply power to the unit.
3. Rotate the timer dial until the point is lined up with the desired mark on the scale. This is the percentage of time which the timer will be active.

This completes start up procedures for the DPT-1 timer. When the timer has been set it will continue to repeat the timer cycle set.

V. Troubleshooting

The Advantage Model DPT-1 controller is designed for many years of trouble free operation. Should a problem occur, refer to the following chart to help identify the problem. If replacement is required, follow the procedures listed in the Warranty and Factory Service portion of this manual.

SYMPTOM	POSSIBLE CAUSE	SOLUTION
No system power	Check power source Check fuse	Replace unit Replace as needed.
No output	Timed out	Unplug unit, and plug in again to reset timer.

I. Introduction

Description of Unit

The DPT-1 percentage timer is used for controlling chemical pumps, agitators, and other equipment where intermittent operation is desired or necessary. The controller supplies power to an electrical device for a percentage of a ten minute cycle. This percentage is easily adjustable from 0 to 100% on time. The ten minute cycle is repeated continuously as long as power is supplied to the timers. Outputs of up to 1/4 HP motor load or 12 amps non-inductive load are safely handled.

Each unit is furnished in a prewired, NEMA 4X type heavy duty thermoplastic enclosure with padlockable Lexan window. The Model DPT-1 is supplied with an 8 foot, 3 wire power cord, and one 11 inch female power output drop plug.

II. Installation

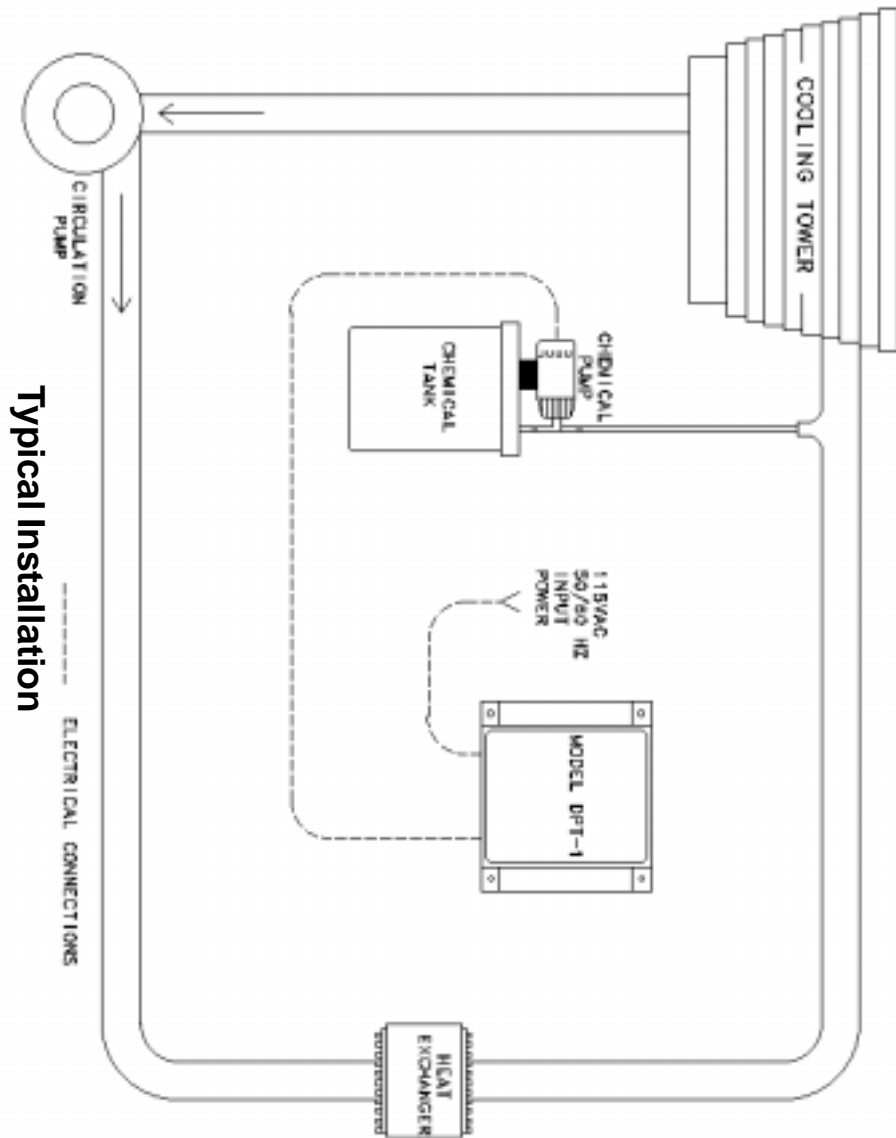
A. Mounting Instructions

The DPT-1 is completely prewired for ease in installation. Select a mounting location convenient to electrical connections and accessible by the operator.

Mount the controller on the wall. Position so operator has access to the unit and a clear view of the controls through the cover of the controller. Use the enclosed mounting template for aid in mounting the controller.

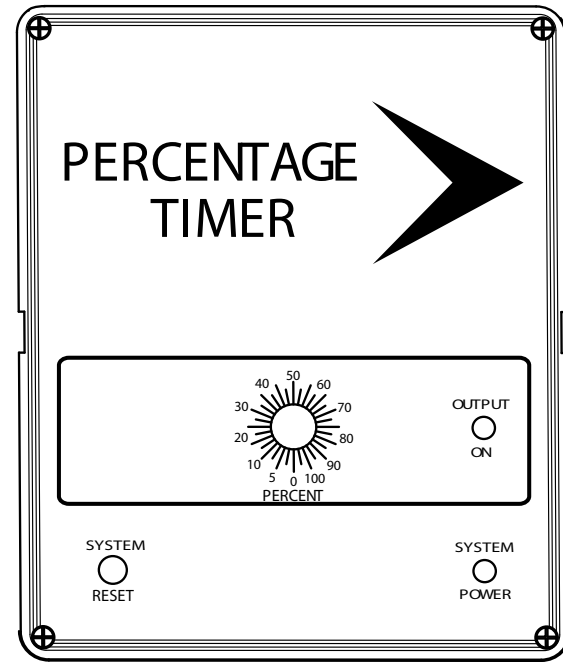
NOTE: The DPT-1 is fused for a 12 amp resistive load. This will support operation of most light and medium duty chemical pumps.

Do not attempt to operate a motor larger than 1/4 hp from the controller circuit. Use a motor contactor.



Typical Installation

III. Front Panel



Unit will be labeled with scale requested. Standard 10 minutes.

A. Front Panel Drawing

B. Front Panel Description

PERCENTAGE TIMER DIAL: Used to set percentage timer ON TIME as a percentage of a 10 minute cycle. The timer will operate the relay for the percentage of a 10 minute repeating cycle. Other scales are available.

OUTPUT ON LED: Lights when the timer relay is activated.

SYSTEM RESET BUTTON: Used to reset the timer.

SYSTEM POWER LED Lights when power is supplied to unit.