



Pro-Watch Dispenser

For Dux Actamatic Grease Converters
and Endura Grease Converters

Mains Powered



Model: 510T

Version 1.0

INSTALLATION INSTRUCTIONS

Dux Pro-Watch Dispenser

The Pro-Watch is a microprocessor controlled dispenser which can be programmed to deliver up to twenty separate doses in any 24 hour period. Each event can last up to 16 minutes.

The Pro-Watch dispenser has a security feature preventing accidental or unauthorised programming changes, and an 'onboard' battery (with 5 year life) keeps the current time setting in the event of mains power loss. All programmed information is saved in non-volatile memory.

Contents of Pack

- Dispensing unit
- Poly tubing
- Grease converter connector pack
- Bottle pick up pipe
- 2 x Zip ties

Installation

1. Mount the Pro-Watch dispenser and Dux Actamatic Liquid bottle close to the grease converter allowing access for easy programming and monitoring the liquid supply. Do not mount the unit in the direct path of steam. Ensure the Actamatic Liquid bottle is securely positioned and will not tip or get knocked over.
2. Plug into power supply.
3. Insert one end of the poly tube at least 10mm into the black squeeze pump inlet tube (left hand side facing) and use a zip tie to seal.
4. Extend this poly tube a sufficient length to run from the pump inlet to reach the bottom of the Actamatic Liquid bottle. Cut and leave in place in the bottle.
5. Insert the remaining poly tube 10mm into the black pump outlet tube (right hand side) and use a zip tie to seal.
6. Extend the remaining poly tube a sufficient length from the pump outlet connection to the grease converter white plastic plug (may be different on the Endura models). Cut and insert the poly tube into the fitting as shown below. Remove the white plastic plug from the grease converter and fasten the fitting in place (use only PTFE tape to seal).



7. Prime the Actamatic Liquid through the poly tube by pressing the '↓ Prime 1' button on the dispenser until the tube is entirely filled with fluid.

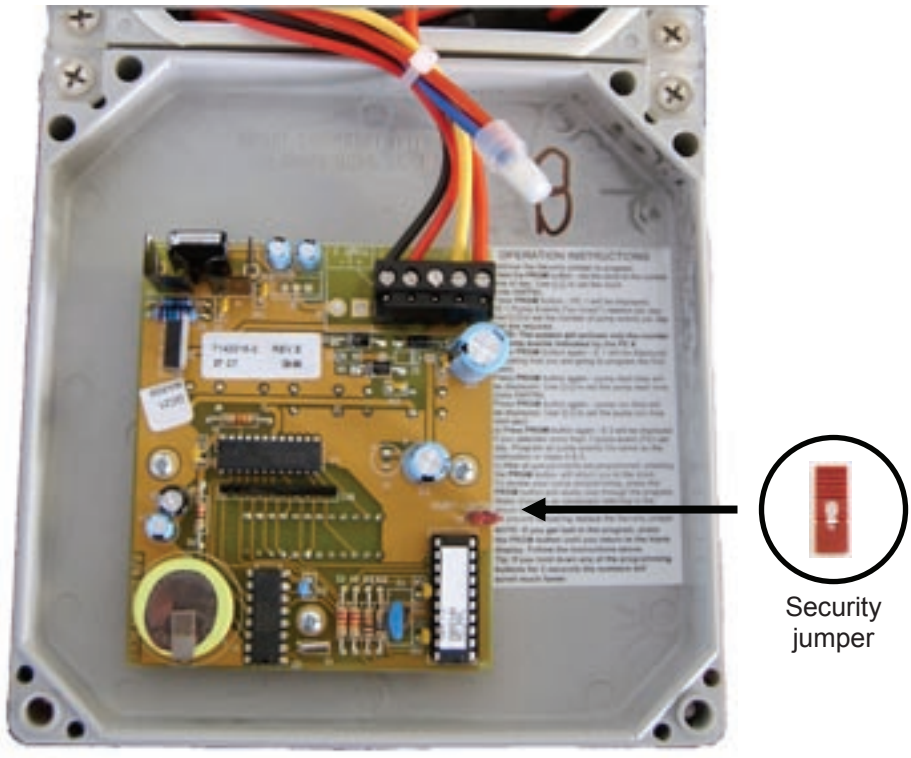
Security Feature

To prevent tampering, the dosing and time settings can be locked on the circuit board with a 'jumper' clip.

If the jumper clip is installed the display will show 'SECU' when the PRGM button is pressed. The prime buttons are not affected and will still function in their normal manner.

To add or remove the jumper clip, remove the two screws from the front of the cover plate and hinge open. The jumper clip is located and installed at the point shown.

Removing the jumper allows the unit to be programmed and/or the clock settings changed. Replacing the jumper switch locks these settings in place.



Security jumper

Set Up Instructions for Dosing and Clock

1. Open the front cover and remove the jumper clip.
2. Plug dispenser unit into power supply.
3. With jumper clip removed and power on, press the 'PRGM' button once and then use the ↓/↑ buttons to set the correct time on the 12 hour clock. Note AM and PM lights on the side of display.
4. Press 'PRGM' button again and 'PE 1' will be displayed (pump event). The unit is ready to set the number of times the pump operates each day. **SET TO PE 1** as only one dose is required each day.
5. Press 'PRGM' again and 'E 1' will display (event one) then press "PRGM again. This allows the time when the pump activates to be set. Use the ↓/↑ buttons to set the required time for the pump to operate. **Set the pump to operate 1 to 2 hours after the kitchen has closed.**
IMPORTANT: Do not set the pump to operate when the kitchen is active.
6. Press 'PRGM' again and the pump 'RUN' length time is displayed. Use ↓/↑ buttons to set the pump run time (min:sec) according to the dosing chart for the size of the grease converter installed. Press 'PRGM' again to return to a blank screen.
7. When finished programming, reinstall the jumper clip, reposition and fasten the cover plate in place.

Tips:

- If you hold down any of the buttons while programming, the numbers will scroll much faster.
- If you get lost in the program, press 'PRGM' until you return to the blank display, then repeat the instructions again.

During programming, if a button is not pushed within two minutes the display will disappear and the control will return to normal operation.

Daily Dose Rate Guide

This pump dispenses about 12 ml per minute (0.2 ml per second) under normal operation. **It is recommended that Actamatic Liquid is diluted 1:1 with water.** This helps to spread the dose in the grease converter.

Overdosing is wasteful but not harmful.

Grease Converter Model	Required Daily Dose Diluted 1:1 (ml)	Pro-Watch Run Time Diluted 1:1 (min:sec)
Dux 5020	12	1:00
Dux 5030	16	1:20
Dux 5035	20	1:40
Dux 5060	32	2:40
Dux 5080	36	3:00
Endura 35	20	1:40
Endura 50	32	2:40

The above table is a guide and required daily dose should be discussed with your Dux or Ecoworld representative. For further information on the set up of your Dux Actamatic or Endura Grease Converter and dispensing unit see *Start up and Initial Dosing Procedure* supplied with your grease converter.

Warranty

Pro-Watch dispensers are warranted by Dux against defects in materials and factory workmanship for a period of one year. All electronic control boards have a two year warranty.

Installation Information

The following is to be completed by the installer at time of installation and this booklet is to be kept with the dispenser.

Pump Installation Date: _____

Pump Serial Number: _____

Grease Converter Model: _____

Installed By: _____

Dose Rate: _____ Time of Dosing: _____

Premise's Name: _____

Important:

For future reference, please leave these installation instructions with the owner or kitchen manager.

For further information please contact your
Dux representative or Customer Services

0800 367 389

For installation and servicing contact Ecoworld

0800 109 202