TRAPMATIC
AUTOMATIC TRAP PRIMER

INDEX

Safety & Proper Usage

To ensure safe and enduring performance of this product, you must comply strictly with the instructions enclosed herein. Non-compliance with instructions or improper handling of the product will void your warranty! This product is designed for use exclusively with types of fluids or gasses as stated in its documentation. Usage of this product in conditions not specified in the product documentation or contrary to the instructions hereby provided is considered IMPROPER. The manufacturer will not be held liable for any damages resulting from improper use of the product.

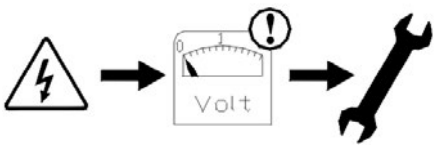
Attention

- Observe valid and generally accepted safety rules when planning, installing and using this product.
- Take proper measures to prevent unintentional operation of the product or damage to it.
- Do not attempt to disassemble this product or lines in the system while they are under pressure.
- Always turn off the voltage supply before working on the system.

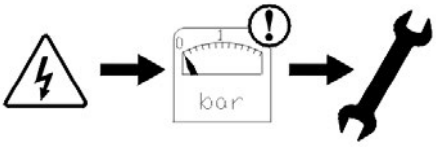
It is important that personnel use safe working practices and observe all regulations and legal requirements for safety when operating this product. When handling, operating or carrying out maintenance on this product, personnel must employ safe engineering practices and observe all local health & safety requirements & regulations. International users refer to regulations that prevail within the country of installation. Most accidents which occur during the operation and maintenance of machinery are the result of failure to observe basic safety rules or precautions. An accident can often be avoided by recognising a situation that is potentially dangerous. Improper operation or maintenance of this product could be dangerous and result in an accident causing injury or death. The manufacturer cannot anticipate every possible circumstance which may represent a potential hazard. The **WARNINGS** in this manual cover the most common potential hazards and are therefore not all-inclusive. If the user employs an operating procedure, an item of equipment or a method of working which is not specifically recommended by the manufacturer he must ensure that the product will not be damaged or made unsafe and that there is no risk to persons or property.

PLEASE NOTE: **YOUR WARRANTY WILL BE INVALIDATED IF THE EQUIPMENT HAS NOT BEEN INSTALLED OR MAINTAINED IN ACCORDANCE WITH THESE INSTRUCTIONS.**

Safety



Switch off the voltage supply before installation or maintenance is carried out!



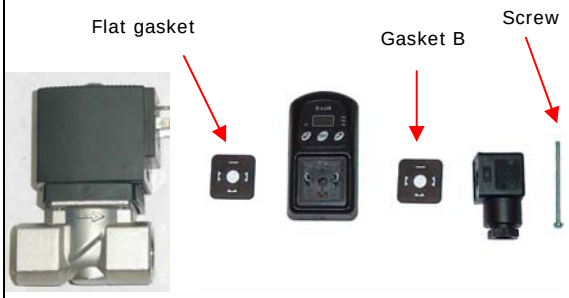
Depressurise the system before installation or maintenance is carried out!

INSTALLATION INSTRUCTIONS *(Part 1 of 3)*

IMPORTANT NOTICE

Before installing this product make sure it complies with your request and that it suits your application!

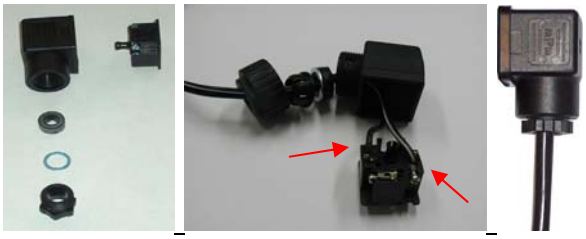
Unpack the unit and visually inspect for any transport damage incurred after leaving our factory



Remove the connector and timer from the solenoid valve

Install the solenoid valve according to the general engineering practices and observe all local health & safety requirements & regulations

Connect the D-Lux timer back on to the coil as illustrated and make sure the flat gasket is securely in place



Remove the protection cap from the connector and connect your power cable as shown

INSTALLATION INSTRUCTIONS *(Part 2 of 3)*

The D-Lux will start with its pre-set time setting of 10 sec ON and 30 sec OFF. The display will start counting down the ON time (10, 9, 8, etc.) and the SEC led will be flashing. When the ON time reaches 0 sec it will jump to the OFF time and starts counting down the OFF time (30, 29, etc.)

When the unit is installed correctly, and when it is operational, you can change the pre-set values to anything ranging from 0.1 sec to 99 hrs.To change the ON time, simply press the right 'on/arrow up' button and 'on'will appear briefly on the display.

The previously set ON time will appear on the display (10) and the 'sec' led will be on. You can now press the left 'off/arrow down' button for decreasing the time or the right 'on/arrow up' button to increase the time. The sec, min of hrs led will highlight the time bracket (i.e 1-99 sec or 1-99 min or 1-99 hrs)

If the desired ON time is set, then simply don't press any buttons and after a few seconds the display will start flashing illustrating that the new time is being saved. Once the new time is saved, the unit will start operating with the new time setting.

To change the OFF time simply press the left 'off/arrow down' button and 'off'will appear briefly on the display.

The previously set OFF time will appear on the display (30) and the sec led will be on. You can now press the left 'off/arrow down' button for decreasing the time or the right 'on/arrow up' button to increase the time. The sec, min of hrs led will highlight the time bracket (i.e 1-99 sec or 1-99 min or 1-99 hrs)

INSTALLATION INSTRUCTIONS *(Part 3 of 3)*

If the desired OFF time is set, then simply don't press any buttons and after a few seconds the display will start flashing illustrating that the new time is being saved. Once the new time is saved, the unit will start operating with the new time setting.	The unit is now fully programmed to your desired time settings and will work fully automatically.
 You can press the TEST button anytime to check the valve operation or to manually activate the valve to discharge any condensate. When the test (middle) button is pressed, a flowing pattern is diplayed indicating that the test function is in process.	After releasing the test button the unit will resume to normal operation.

CHANGING THE TIMER FUNCTION

The D-LUX is able to perform the following functions:

- Function 'A' start with the ON time and then the OFF time, etc.
- Function 'C' start with the OFF time and then the ON time, etc.
- Function 'B' single shot, starts with the ON time and then switches OFF indefinite
- Function 'D' single shot, starts with the OFF time and then switches ON indefinite

The D-LUX is factory set to the function 'A'. However, should you need a different function you can always change it. To do so please follow these ease steps:

1. Disconnect unit from the power supply.
2. Press and keep pressed down the (TEST) button.
3. Connect to the power supply.
4. Release the button after 'A' appears on display if the unit is being programmed for the first time. If the function has already been changed then the last set function will appear on display (A/B/C or D).
5. Use (off/arrow down) and (on/arrow up) to select the function (A/B/C or D).
6. When the function is selected do not press anything and after a few seconds the unit will resume operation with the new function setting.
7. Change the pre-set ON and/or OFF times if required (see pages 2-4).

Returning To The Factory Settings

Factory settings of each timer: 10s ON time, 30s OFF time, function 'A'.

No matter how you change the settings you can always reset all settings to factory settings.

To do so please follow these easy steps:

1. Disconnect unit from the power supply.
2. Press and keep pressed down (off/arrow down) and (TEST) buttons.
3. Connect to the power supply.
4. Release the buttons after 'P' appears on the display.
5. Then 'A' appears on the display - do not press anything.
6. After a few seconds the unit will resume operation with factory settings.
7. Change the presset ON and/or OFF times if required (see pages 2-4).

Test Button

You can press the test button anytime during operation to check the valve operation or to manually activate the valve to discharge the condensate. When the test (middle) button is pressed a flowing pattern will be displayed indicating test function and valve is activated. After releasing the test button the unit will resume operation.

Description of Normal Operation

The function of the electronic trap priming valve is to maintain a constant trap seal in floor drains by periodically opening to allow water to flow to the trap.

Operating the Unit

- ⇒ Switch on power supply. The ON LED will indicate that the valve is OPEN.
- ⇒ Ensure water pressure is between minimum 50kPa and maximum 1,000kPa. Recommended 100 - 500kPa
- ⇒ Test solenoid valve operation by pressing the test button.
- ⇒ Set the required ON time and OFF time.
- ⇒ Trap priming operation will now be fully automatic.

Installation Notes

A. UNPACKING

Although the manufacturer takes every precaution with packaging, it is advisable after carefully removing the product from its box and packing material to carry out a thorough visual inspection for any sign of transit damage incurred after leaving our factory.

B. CONNECTION TO WATER SYSTEM

- ⇒ Installation of trap primer must be made in accordance with requirements of AS3500.2.
  - ⇒ The trap primer is supplied with a hose vacuum breaker approved to AS2845.1, in compliance with the requirements of the WMTS Trap Priming standard. If the installation also requires an air gap, this must be plumbed seperately in accordance with AS3500.2.
  - ⇒ The trap primer shall be installed within the same room or compartment as the floor waste gully.
  - ⇒ The charge pipes shall not exceed 10m in length
- ⇒ Multiple traps may be primed simultaneously by balancing or controlling the flow on each branch, with consideration of the 10m pipe length limit under AS3500.2.

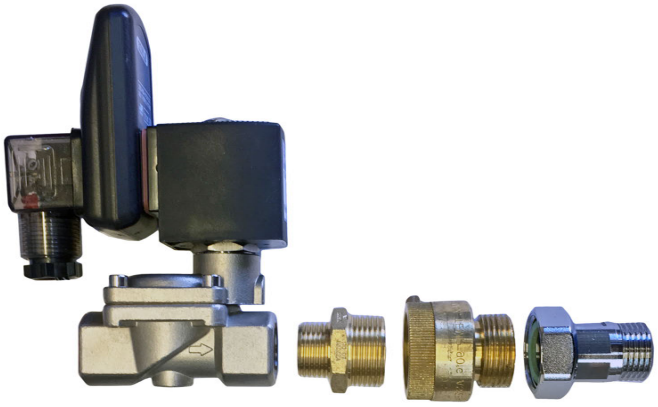
- ⇒ Make sure that no solid matter (e.g. sealing compound residue) gets into the unit during the installation.
- ⇒ Make sure that the pipeline is thoroughly clean
- ⇒ Use quality sealing compound only.
- ⇒ The unit should be mounted in the upright position.
- ⇒ Valve assembly to be mounted at least 300mm above finished floor level or ceiling space.

- ⇒ Assembly in SS box is provided with 15mm copper tails - it is not recommended to install this inside of the wall. Individual unit is provided with 15mm BSP threads.

C. ASSEMBLY OF COMPONENTS

If the automatic trap priming valve is supplied as an individual unit, then the installer is to

- provide a mini stop valve to control the flow.
- assemble the vacuum breaker and fittings provided in the order as shown in the image below.
  Please take care to note the direction of flow as indicated on the valve.



D. POWER SUPPLY / ELECTRICAL CONNECTION

Power Supply

A 240V AC power pack has been provided with this unit. It has an output of 12VDC 2.5amp to the soleniod coil. Please ensure voltage provided correctly matches the supply voltage of the installation site.

Maintenance

Depressurise the unit (drain all water from the unit) and switch off electrical supply before carrying out any work or maintenance on the unit!

- The electronic solenoid valve is maintenance free. However, we recommend replacing wearing valve parts every two years. You can obtain service kits from your dealer. We also recommend you test the electronic valve anually by pressing the TEST-switch on the timer.

Timer Technical Specifications

Technical data	Timer
Interval Time T2(1)	0.1 seconds – 99 hours
Discharge Time T1(1)	0.1 seconds – 99 hours
Manual Test Switch	Yes
Supply Voltage (2)	240VAC to plug in powerpack (solenoid is 12VDC)
Current Consumption	Approx. 5.5 mA
Switching current	Max. 1 A
Operating Temperature	-10°C to +50°C
Environmental Protection	IP 65 NEMA 4
Case Material	ABS Plastic FR Grade
Connection	DIN 43650A ISO 4400/6952
Indicators	Yellow, valve open (ON) Yellow, time bracket indication (min, sec, hrs)