State 24/7™ Drain Maintenance

DR-2000™

Automatic Drain Keeper

The DR-2000 Automatic Drain Keeper is the heart of the State 24/7 Drain Maintenance program. The DR-2000 delivers the appropriate product at the appropriate rate to areas of your drainage system needing this special attention.

Using DR-2000™ as part of the State 24/7™ Automated Drain Maintenance System will keep drains free-flowing and problem-free:

24 Hours A Day...
7 Days A Week!

Features

The DR-2000 is extremely durable. The sealed enclosure is made of sealed molded ABS plastic.

The DR-2000 is versatile because of its programming flexibility.

The DR-2000 is a labor saving and a money saving device.

The DR-2000 is easy to install.

The DR-2000 is easy to program.

Two versions of the DR-2000 are available: Battery Powered and Electric Powered.

Benefits

It will hold up in tough environments. Water and flame resistant.

You can program 24 separate events by the week, weekend, weekday or time of individual day. These events can last from as little as one second to as long as 20 minutes. The DR-2000 pumps a rate of 5 oz.(148 ml) per minute.

Eliminates the manual application of drain maintenance products, and the use of labor-intensive mechanical devises (snake or jets) will be drastically reduced.

Two screws and an outlet or battery and you are ready to program.

Complete instructions are printed on the back of this literature.

The electrical unit is the choice for most applications, but the battery operated unit is available for situations where electricity is not available or practical.

Care For Work Environments ®

State Since 1911

State 24/7™ Drain Maintenance
DR-2000™
Automatic Drain Keeper

LCD Display

PROGRAM (1)

EVENT/PRIME (2)

HOURS (3)

MINUTES (4)

SECONDS/DAY (5)

SETUP & PROGRAMMING
During normal operation, the DR-2000 is in Run Mode. In Run Mode, the screen will display the current time and day of the week, and the colon will blink once per second.

The DR-2000 is programmed using the 5 buttons and screen in the front of the unit.

ENTERING PROGRAM MODE
To begin programming, you must first enter into Program Mode. To do this, hold down the **PROGRAM BUTTON (1)** for 8 seconds. The colon will blink fast and irregularly while the **PROGRAM BUTTON (1)** is pressed.

The screen will flash and the colon will stop blinking to indicate that you have successfully entered Program Mode. The screen display will not change. It will continue to show the current time and day of the week.

SETTING THE CLOCK
Once you enter Program Mode, your first option is to set the clock. Use the **HOURS BUTTON (3)** and the **MINUTES BUTTON (4)** to change the time of day. The clock will display "P" for PM settings. Use the **SECONDS/DAY BUTTON (5)** to change the day of the week. We recommend that you program Monday as day 1.

PROGRAMMING WHEN AN EVENT WILL OCCUR

1. Press the **EVENT/PRIME BUTTON (2)** once. You will see the following screen. This screen indicates which event you are entering. The screen below indicates that you are entering event number 1.

   E:01

2. Press the **EVENT/PRIME BUTTON (2)** again. This screen shows the day and time this event will begin.
3. Change the time that the event will occur using the **HOURS (3)** and **MINUTES BUTTONS (4)**.
4. Change the day of the week that this event will occur using the **SECONDS/DAY BUTTON (5)**. When scrolling through the day menus you will see that you are able to select from the following options:
   - Select each day individually, as days 1 through 7.
   - Select all the days of the week, 1 through 7 appear together.
   - Select week days only, 1 through 5 appear together
   - Select weekend days only, 6 and 7 appear together

The screen below indicates that the event will occur at 1:45 PM every Monday (only Mondays).

   1
   1:45 P

The screen below indicates that the event will occur all days at 8:30 AM (everyday-including weekends).

   1 2 3 4 5 6 7
   8:30

PROGRAMMING HOW LONG AN EVENT WILL BE
Once you have programmed when the event will occur, press the **EVENT/PRIME BUTTON (2)** again. The screen will display the day of the event and the duration of the event in Minutes and Seconds. Min:Sec will appear in the bottom of the screen. The maximum run time is 19 minutes and 59 seconds. Set the duration of the event using the **MINUTES BUTTON (4)** and the **SECONDS BUTTON (5)**. We recommend you allow an interval of 20 minutes between events. The screen below indicates that the event will have a duration of 2 minutes and 15 seconds.

   2:15 MIN:SEC

Once you have finished programming the first event, press the **EVENT/PRIME BUTTON (2)** again to move to next event. You can program up to 24 events this way. In situations where two events have been programmed for the same time and day, the highest numbered event will be the one the DR-2000 accepts. For example, if event #1 is set for 30 seconds at 2:00 on day 1 and event #4 is set for 10 seconds at 2:00 on day 1, event #4 will take precedence and the pump will activate for 10 seconds at 2:00 on day 1.

Note: If you are injecting product through the provided brass fitting, you will need this tapping kit to install the brass fitting into a clean out cover or grease trap lid. The kit will include one R-sized drill bit, and one 1/8 x 27 pipe tap.

Stock # 105639

SPECIFICATIONS

OPERATING CONDITIONS
Ambient Operating Temperature
35 to 104°F (5 to 40°C)
Electrical Power
Options available: 115 VAC 50/60 Hz +/- 10%
230V AC 50/60 Hz +/- 10%
4 D-cell battery powered
Altitude
<2000 meters
Humidity
0 to 100% relative humidity (non-condensing) throughout temperature range.
Ratings
Pollution Degree: 2
Installation Category II
Intended for indoor use only.

TIMING CAPABILITY
Up to 24 different times. Daily, weekly, or mixed schedule; variable run time 1 second to 19 minutes and 59 seconds.
DIMENSIONS
115 VAC/230 VAC Version:

Size	Height	Width*	Depth**
Inches	5.6	4.6	4.8
Centimeters	14.2	11.6	12.2

D-Cell Battery Powered Version:

Size	Height	Width*	Depth**
Inches	5.6	8.4	4.8
Centimeters	14.2	21.3	12.2

*Width includes feet
**Depth with SnapHead pump cartridge in place.
Weight
115VAC/230VAC version: 1.85 lbs/0.84 kg
D-Cell Battery Powered version: 1.57 lbs/0.72 kg*

State Since 1911

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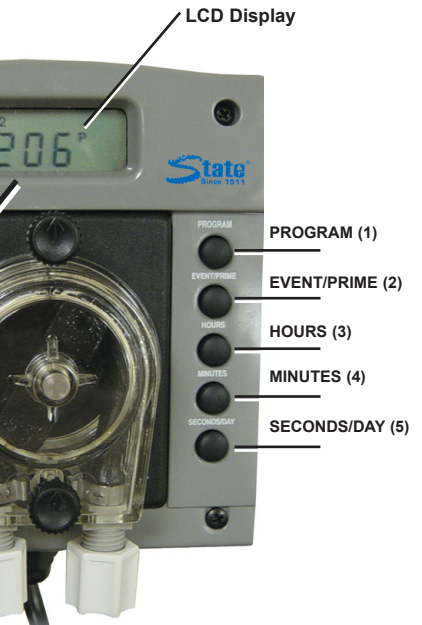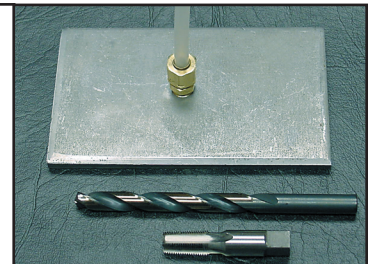www.stateindustrial.com

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DR-2000™ Electric Stock #108676
DR-2000™ Battery Stock #108792