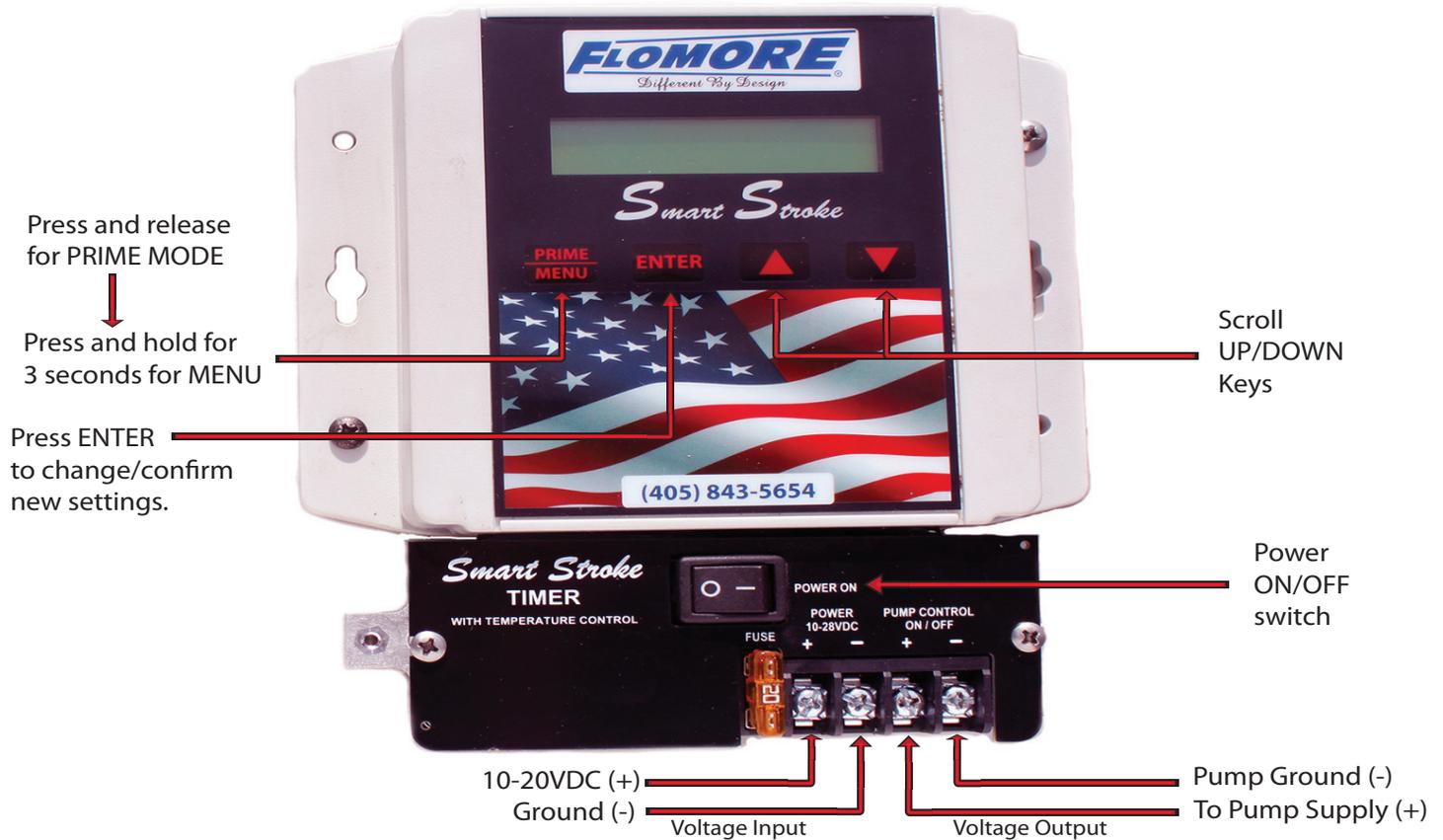# SS2 - Flomore Smart Stroke Timer

The Flomore Smart Stroke Timer / Temperature Controller is designed as a reliable controller for our Flomore pump line. Incorporated in this unit is both ease of operation and reliability. See below for operating instructions for our Smart Stroke Timer / Temperature Controller V2.0.

Press and release for PRIME MODE

Press and hold for 3 seconds for MENU

Press ENTER to change/confirm new settings.

Scroll UP/DOWN Keys

Power ON/OFF switch

10-20VDC (+)
Ground (-)
Voltage Input

Pump Ground (-)
To Pump Supply (+)
Voltage Output

Initialization:

Once your Smart Stroke Timer / Temp. Control has been properly installed, It's time to familiarize yourself with the basic operating procedures. Use this guide to learn to PRIME, SET and MAINTAIN your controller.

To turn on the controller, set the toggle ON/OFF switch, located on the fac e of the device, to the ON position. Your unit's display will show "FLOMORE SMART STROKE" for 3 seconds

After 3 seconds the display will begin the initializing phase, signified by the following:

REV: 00200
S/N: 1234

Home Screen:

The HOME SCREEN will be displayed and remain on the screen until a key is pressed. The numberic values below are an example. The "Cycles per minute" and "On" time (seconds) will be displayed as set by the user. The V is the battery voltage. The ambient temperature will be displayed in Fahrenheit. You may use the "arrow keys" to view the current DATE/TIME, PUMP STATUS, and TEMPERATURE CONTROL settings.

cyc/min=4   On=5
12.34V   78 F

Menu Mode:

The MENU MODE is used to set/change Timer, Temperature, and Date/Time parameters. From the HOME SCREEN, Press and hold the MENU/PRIME key for 3 seconds to enter MENU MODE. The following will be displayed:

When this screen is displayed, you can scroll by pressing the UP/DOWN keys. These options are Timer Setup, Temp. Control, Date/Time, and EXIT.

SELECT:
Timer Setup

SS2 - Flomore Smart Stroke Timer

Timer Setup:

If not already in MENU MODE, press and hold the PRIME/MENU button for 3 seconds. The display will show:

> SELECT:
> Timer Setup

Press ENTER. The display will show the current cycles/min setting.
To change, press ENTER and use the UP/DOWN keys to adjust cycles per minute. Press ENTER to confirm the new settings and the following screen will be displayed:

> TIMER SETUP
> On sec: 0

NOTE: The max allowable cycle setting is 10 cycles per minute. Any adjustment of cycles per minute automatically resets the seconds oer cycle to zero.

To change the ON second value, press the ENTER key. The UP/DOWN KEY'S will increase/decrease the value within the allowed range of 1 to maximum allowed for the number of cycles per minute. Press the ENTER key to confirm the new value. *Example: if 4 cycles per second have been selected the max ON time allowed will be 15 seconds.

Temperature Control:

The temperature control function is designed to activate the pump when the temperature drops below a user set value. Example: 35 degrees F/ The following information will explain how to set and activate this feature.
From the HOME SCREEN, press and hold the MENU/PRIME key for 3 seconds to enter MENU MODE. The following screen will be displayed:

> SELECT:
> Timer Setup

Press the DOWN key and scroll until the following screen is displayed:

> SELECT:
> Temperature

Once the above temperature screen is displayed, press the ENTER key to activate or deactivate the temperature setting. The display will be:

> TEMP SETTINGS
> Temp Control: OFF

To change the current temperature control status, press the ENTER key. You will now be prompted to adjust the temperature control feature to either ON/OFF status. Press ENTER to confirm your adjustment status. If the temperature control is set to ON, the user will be prompted to set the temperature for activation. Using the UP/DOWN keys, adjust to the appropriate temperature and press ENTER when the temperature is set. This will prompt the AMBIENT TEMPERATURE screen. The following will show on your screen and is designed to adjust the ambient temperature (outside climate temperature). You may bypass this adjustment by using the down arrow keys until you reach the EXIT screen.

> Adj ambient Temp
> 48 F

If your Smart Stroke Timer is located in an environment that differs from the outdoor temperature, an ambient temperature adjustment will be required to ensure proper operation.
Example: If the temp/ inside of a battery box where the unit is mounted is 48 F, while the outdoor temp. is 45 F, you will need to adjust the ambient temp. setting to 45 F.
Once you make the ambient temp. Adjustments, press ENTER and you will be prompted to the EXIT screen. Press ENTER to return to MENU MODE, or press PRIME/MENU to return to the HOME screen.

> TEMP SETTINGS
> Exit

To prime the pump, press/release the PRIME/MENU key. You will see the following:

> SET PUMP PRIME
> 0 Sec

Press the UP/DOWN keys to increase or decrease the time by 10 seconds, which will be updated on the screen. The max. allowed prime setting is 60 seconds. Press the ENTER key to start the pump prime, once the desired time period is set. Once the ENTER key is pressed, the screen will show a time countdown to 0 and will immediately enter into the post prime mode for 15 seconds. After this period, the unit will revert back to the HOME SCREEN.

> PRIMING PUMP: 59