Programable Piezo Pushbutton
Programming Instructions (Flow Time Adjustment)

The Button is factory set an 8 sec. timing cycle, if an 8 sec. cycle is adequate, then **no** programming adjustment is required. Pushing button during the timing cycle will stop the cycle (Cycle Interrupt).

> NOTE: Read the entire document before trying to program the piezo pushbutton.*

THE TIME SETTINGS PROGRAM USES 3 DIFFERENT TIMING MODES:

- **1 second timing mode:** Each push of the button adds 1 second to the total timing cycle.

- **5 second timing mode:** Each push of the button adds 5 seconds to the total timing cycle.

- **20 second timing mode:** Each push of the button adds 20 seconds to the total timing cycle.

To program the piezo pushbutton, you will need to be able to see the back of the piezo pushbutton.

Prevision must be made to access the back of the piezo pushbutton. There is an LED on the back of the piezo pushbutton under a layer of transparent epoxy, used as a programming indicator light (see page 3).

> NOTE: This programming procedure moves along rapidly, there is only about 2 or 3 seconds between programming operations.

In order to start the programming the piezo pushbutton, the button must be powered down. Disconnect the red power cable and wait 20 seconds, then reconnect the red power cable.

As soon as the cable is reconnected the LED will start flashing, it will flash 4 times, then stays on for 3 seconds. During the 3 second period, push the piezo button once, the LED will go out, now you are in the **1 sec timing mode** and each time the button is pushed the LED will flash, adding 1 sec to the total timing cycle.

To move on to the **5 sec timing mode**, pause and wait for the LED to flash 2 times, now you are in the 5 sec timing mode. Each time the button is pushed the LED will flash, adding 5 sec to the total timing cycle.

To move on to the **20 sec timing mode**, pause and wait for the LED to flash 3 times, now you are in the 20 sec timing mode and each time the button is pushed the LED will flash, adding 20 sec to the total timing cycle. After programing is complete, pause and wait for the LED to flash 4 times and then 5 times, which completes the programming.

GENERAL NOTES:

- When a **timing mode is not required** then **do not** push the button and wait for the next timing mode.

- Each timing mode (1 sec, 5 sec or 20 sec timing mode) can be sequenced up to 100 times, that is the number of times, the button can be pushed, to increase the total timing cycle in each timing mode.

*See work sheet on page 2 which will simplify the programming procedure.

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WORKSHEET
(FILL IN ALL BOXES, WHICH WILL SIMPLIFY THE PROGRAMMING PROCEDURE)

Fill in all the
Boxes below

⬇ ⬇

Determine the
number of seconds
per timing cycle

PROGRAMING STEPS:

- Power down piezo button for 20 seconds.

- Reconnect power.

- LED flashes, then stays on.

- While the LED is steady on, push button.

- LED turns off.

1 Push = 1 Second

☐ x 1 = ☐ sec

⟷

- You are in the 1 sec timing mode, immediately push the button, 1 push equals 1 sec added to the total timing cycle.

- Pause and wait for the LED to flash 2 times.

ADD ⇅

1 Push = 5 Seconds

☐ x 5 = ☐ sec

⟷

- You are in the 5 sec timing mode, immediately push the button, 1 push equals 5 sec added to the total timing cycle.

- Pause and wait for the LED to flash 3 times.

ADD ⇅

1 Push = 20 Seconds

☐ x 20 = ☐ sec

⟷

- You are in the 20 sec timing mode, immediately push the button, 1 push equals 20 sec added to the total timing cycle.

EQUALS ⬇

Total timing cycle equals

☐ seconds

NOTE: if you miss a step in the programming procedure, just power down the button and start again from the first step.

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Black Solenoid
Cable

Red Power
Cable

Piezo
Pushbutton

Programming Indicator
LED Light

BLACK

RED

Tranparent
Epoxy Filling

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