

# Meter Control Owner's Manual

## For use with a water meter to control a chemical feed pump

### Part Number BUB080



#### DISPLAY OPERATION

*The display on the meter control displays the following information by pressing the corresponding buttons. (Buttons from left to right across the display):*

- Flow (gallons per minute): Displays the actual flow rate, GPM.
- Total Flow (gallons): Displays total gallons through the meter since the last meter reset.
- Peak Flow (gallons per minute): Displays the highest flow rate since last meter reset.

*The display also has three warning lights: (For a service reminder)*

- Green Light: System is plugged in and fully functioning.
- Yellow Light: Will blink when system is at 80% of threshold gallons.
- Red Light: Will blink when system is at 90% of threshold gallons.
- At 100% threshold capacity the red light will blink, and beep three times every 15 seconds. The beep can be silenced by pushing any button, and will remain silent for two days.

#### SET UP MODE

*Upon installation, the controller is pre-programmed from the factory.*

*Pressing all three buttons of the display simultaneously enters the Program Mode:*

- Flow button: Toggles to next screen, also acts as the Enter Button.
- Total Flow button: Toggles the values **up**.
- Peak Flow button: Toggles the values **down**.

#### *Screen One: Clear Memory*

- Should be cleared at initial setup and to restart threshold gallons countdown.
- Toggle Total Flow or Peak Flow button to YES.
- Toggle Flow button to enter and proceed to next screen.

*Re-enter program mode*

- Toggle Total Flow or Peak Flow button to NO.
- Toggle Flow button to enter and proceed to next screen.

*Screen Two: **Pulses per Gallon, PPG (this is determined by the meter being used)***

- Should be factory set at 80 PPG.
- Toggle Total Flow or Peak Flow button to 80 PPG.
- Toggle Flow button to enter and proceed to next screen.

*Screen Three: **Threshold, (For yearly service reminder)***

- Should be factory set at 80 which translates to 80,000 gallons.
- The threshold is set for an estimated yearly service reminder for 4 people using 50 gallons per day each.
- This threshold can be set for each application at this time.
- Toggle Total Flow or Peak Flow button to desired threshold.
- Toggle Flow button to enter and proceed to next screen.

*Screen Four: **Set (For the milliamp output to a chemical feed pump)***

- This is the scale for the 4-20 mA output connection on the PC board.
- The factory setting is 20
- Toggle Total Flow or Peak Flow button to desired GPM scale range.
- Toggle Flow button to enter and proceed to next screen.

**METER SETTINGS:**

- |                    |                           |                 |        |
|--------------------|---------------------------|-----------------|--------|
| • Meter # 61560-03 | 1.25" Plastic Connections | 0-50 GPM max    | 80 PPG |
| • Meter #V3040-15  | 1.5" Female Connections   | 0.5-60 GPM max  | 37 PPG |
| • Meter #V3050     | 2" Female Connectiuons    | 1.5-150 GPM max | 20 PPG |

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