

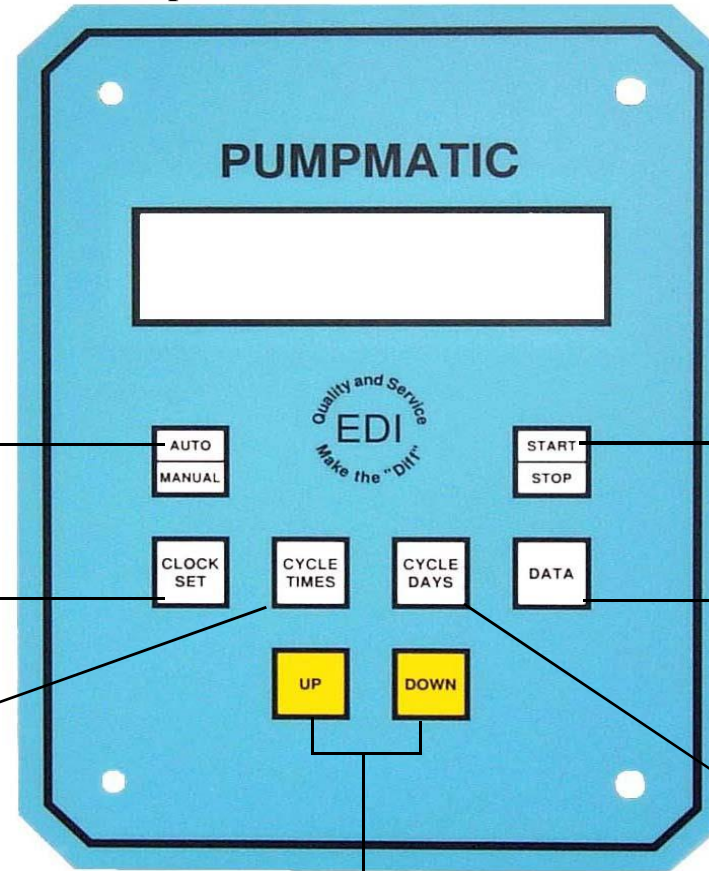
***After 20 failed start attempts or it reaches the low battery setpoint, the controller will put itself in manual mode.**

*** To run engine in automatic, key in engine must be in off position.**

(1) Auto/Manual; Manual, Real Time Cycles & Interval Timing: Press and hold the **Auto/Manual** button to see the current mode. To change modes, press the **Up** or **Down** button.

(2) The **Clock Set** button sets the current **Time of Day** and **Day of Week**. Press and hold once for **Time of Day** and press and hold it again for **Day of Week**. Use the **Up** or **Down** button to change settings.

(3) Scroll through the **Cycle Times** button until **Number of Cycles** appears on the screen. Use the **Up** or **Down** button to set the **Number of Cycles** the engine will run during a one-day period. Press & hold the **Cycle Times** button again to set the **Cycle Run** time for the first cycle. Press & hold the **Cycle Times** button again to set the **Cycle Stop** time for the first cycle. Use the **Up** or **Down** button to set cycle times. Do this for each cycle entered. When done, screen should be back to the **Number of Cycles**. If using Interval Timing (selected with **Auto/Manual** button), press & hold the **Cycle Times** button to set the **Stop Time**. Use the **Up** or **Down** button to set the **Stop Time**. Press & hold the **Cycle Times** button again to set the **Run Time**. Use the **Up** or **Down** button to set the **Run Time**. Interval Timing will repeat these time periods.



(4) Used to change all settings.
Kubota & Continental Engines:

With the Pumpmatic controller in the manual mode there are two ways to start and stop the engine:

- A. The **Start/Stop** button can be used to manually start and stop the engine. After the warm-up period, the clutch will engage and stay engaged until the operator shuts down the engine with the **Start/Stop** button.
- B. The **Up** and **Down** buttons can also be used to start and stop the engine. (This replaces the key switch function.) Pressing the **Up** button for three seconds engages the starter attempting to start the engine. (The LCD will read **KEY START IN :03**) Pressing the **Down** button will shut down the engine. Once the engine is running, the timing cycles are active. This allows the engine to run non-stop, but still engage and disengage the clutch, by pressing the **Start/Stop** button. If the operator uses the **Start/Stop** button to engage the clutch, the time cycles still remain active and will function according to the set time cycles.

(7) The **Start/Stop** button is used to manually start and stop the engine. To start the engine, the controller must be in manual mode. Press the **Start/Stop** button. To stop the engine in manual or automatic mode, press the **Start/Stop** button. The controller will automatically place itself in manual mode if the engine is stopped with this button. The **Start/Stop** button can be used to engage or disengage the clutch. The controller must be in manual mode. Start the engine with the key. Push the **Start/Stop** button to engage or disengage the clutch. Stop the engine with the key.

The **Start/Stop** button can also be used to switch between Run Time and Stop Time if using Interval Timing.

(6) Use the **Data** button to read **Engine Stalls**, **Engine Starts**, **Total Run Time**, **Engine RPM**, **Engine Battery** voltage, and **Engine Hr Meter**. **Engine Stalls**, **Engine Starts**, and **Total Run Time** can be reset to zero by pushing the **Up** or **Down** button.

(5) **Cycle Days** button allows cycle times to be turned on or off for each day of the week. Use the **Up** or **Down** button to turn the day of the week **ON** or **OFF**. (Cycle Days are not available with Interval Timing.)

*** Blue wording indicates LCD readout.**