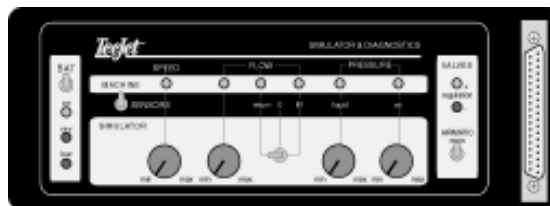


TeeJet®

Field Simulator

INSTRUCTIONS



Part Number 45950

The TeeJet Field Simulator is a versatile tool for troubleshooting, testing, and demonstrating any member of the TeeJet family of sprayer controls. It can be used to provide your sprayer control with speed and flow signals that cause the control to regulate as if it were actually operating. On more advanced controls, the Field Simulator can also generate signals for filling and bypass/return flowmeters as well as air and liquid pressure signals.

By using proper cables, the Field Simulator can be connected to any TeeJet sprayer control. It is also possible to connect the Field Simulator “in-line” with the machine’s cable system. This allows the user to monitor the signals generated by the actual machine sensors as they pass through the simulator, or to generate test signals from the simulator.

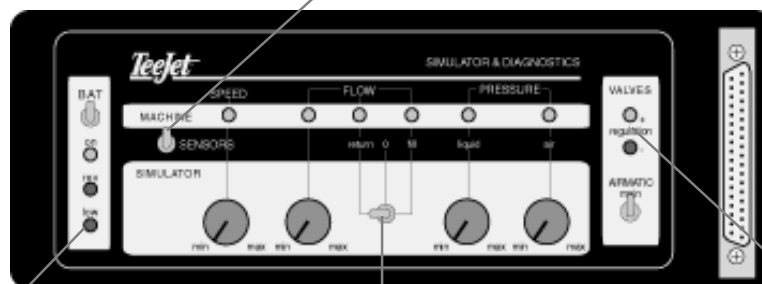
The Field Simulator may be powered directly by an AC adapter or with a vehicle cigarette lighter adapter. When connected to an installed sprayer control, it can be powered by the controller, and no additional power connections are necessary.

With the “SENSORS” switch in the upward position, the LEDs show the status of the sensors on the machine by lighting up every time a sensor signal passes through the cable. A light usually means that the respective sensor is functioning properly.

- Speed
- Flow: main flowmeter (0), return flowmeter or fill flowmeter
- Liquid pressure (if machine is equipped with pressure sensor)
- Air pressure (for airMatic systems)

With the “SENSORS” switch in downward position, the spray controller is fed the sensor signals generated by the Field Simulator.

- Speed
- Flow: main flowmeter (0), return flowmeter or fill flowmeter
- Liquid pressure (if machine is equipped with pressure sensor)
- Air pressure (for airMatic systems)



Battery status LEDs show:

- ON
- Reverse polarity
- Battery low

Flow switch should be in “0” (center) position for normal operation. Move to “return” position to generate return-flowmeter signals and to “fill” to generate fill-flowmeter signals.

The green and red LEDs simulate the opening or closing of the liquid regulating valve. Note that the user must manually move the flow knob as directed by these LEDs.

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