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# PRODUCT INFORMATION BULLETIN

## TWO-TIMER PLUS Dust Suppression System MODEL 60-9100

### DESCRIPTION

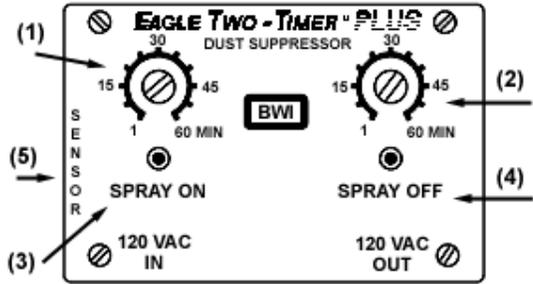
The EAGLE® TWO-TIMER PLUS is an enhanced version of the original Two-Timer. A sensor input connector has been added to the left side of the control unit. A standard speed sensor (Model10-7003) should be attached to this input. This will allow the user to detect that the conveyor is running and eliminate the need to run a 120 VAC line back to the motor starter. The control unit can now be powered by any convenient 120 VAC source. Install the sensor on a conveyor roller or shaft (see sensor installation page). The operation of the TWO-TIMER PLUS is as follows: When the non-contacting sensor detects motion from the conveyor roller, a signal is sent to the control unit to start the "spray on" cycle. As long as the control unit is detecting ample pulses from the sensor (100 RPM or greater), the unit will continue to cycle the on and off times set by the user. If the conveyor roller slows down or stops, the TWO-TIMER PLUS will stop spraying and stay in the "spray off" cycle. When the conveyor re-starts and comes up to speed, the sensor will signal the control unit to turn on the sprays at the beginning of the "spray on" cycle. \* A memory I.C. has been added to this model. If enabled (the default if OFF), the unit will "remember" the cycle and time left in the cycle when the conveyor stopped. For example; the conveyor stops six minutes into a twelve minute spray cycle. The spray automatically stops when the belt stops. When the belt restarts, spraying continues with the six minutes left in the cycle. This feature eliminates two problems: unnecessary wetting of the belt and flooding around the belt. To enable the memory feature, see "[SET-UP OPTIONS](#)".

### SPECIFICATIONS

AC Input	120 VAC 20W
Fuse Protected	2 Amp
Operating Temperature	-40° to 60°C
AC Output	120 VAC 5 Amp <b>MAX</b>
On and Off Timers	1 - 60 Minutes, Adjustable
Memory (EEPROM)	On - Off (user selectable)
Minimum Sensing Speed	100 RPM (Factory Set)



### CONTROLS AND INDICATORS



- 1) On Time Adjustment - Potentiometer used to adjust solenoid "on-time" from 1-60 minutes. (Note #1)
- 2) Off Time Adjustment - Potentiometer used to adjust solenoid "off-time" from 1-60 minutes. (Note #1)
- 3) Spray On LED - When illuminated, indicates unit is in the 'spray-on' cycle.
- 4) Spray Off LED - When illuminated, indicates unit is in the 'spray-off' cycle.
- 5) Sensor Input Connector - Attach EAGLE VARIABLE RELUCTANCE SENSOR to this connector and install on conveyor roller (See sensor installation sheet)

*Note #1 - Any adjustments of the potentiometers for both the "on" and "off" timers will not take effect until the cycle the unit is currently in completes.*

