

PULSETRACK 2

ADVANCED SPEED CONTROL AND ENVIRONMENTAL MONITORING SYSTEM FOR ROTARY ATOMIZERS



FEATURES AND BENEFITS

- **Quick Response with Closed Loop Control...** makes all the adjustments necessary to maintain the desired speed
- **Built-in Diagnostics and Fault Detection Assures Quality...** while continually monitoring each rotator for proper operation, alerting the operator to specific fault occurrences
- **Adaptable to Your Installation Requirements...** resulting in the minimum amount of hardware, lowest cost and the most efficient system design
- **Remote Inputs and Outputs...** allow for speed control and accurate monitoring of fault conditions, for rapid modification and correction
- **Rapid Speed Changes with Air Brake (Aerobell Rotators)...** useful for fast color changes and when critical changes in turbine speeds are required during normal operation
- **Durable, Easy to Maintain and Upgrade...** utilize seven monitoring/control channels as either speed control (maximum of six) or temperature/humidity displays (maximum of five).
- **Bright, Easy to Read LED Displays...** easy to read display of all rotator speeds and temperature/humidity data.

DESCRIPTION

The ITW Ransburg PulseTrack 2™ is a microprocessor-based system designed to continuously monitor and maintain the programmable speeds of up to six rotary atomizers while also monitoring temperature and humidity for one or more zones.

The PulseTrack 2 system, with its magnetic pulse signal and closed loop control, represents the latest in disk and bell speed monitoring and control technology. The system delivers a unique, magnetically generated pulse converted to a fiber optic signal by a small module located in each connected rotator assembly. These light signals are transmitted via durable, inexpensive cabling provided for noise immune, reliable and extremely high-speed feedback response.

The PulseTrack 2 system also provides multi-zone temperature and relative humidity monitoring using remotely mounted industrial probes and sensors helping assure your ability to meet today's demands for consistent, high quality finishes.



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SPECIFICATIONS

Atomizer: All ITW Ransburg rotators including Aerobell, Aerobell 33 and TurboDisk rotators

Dimensions: 20"H x 16"W x 8"D
(508mm x 406mm x 203mm)

Power Input: 100-120VAC @ 3.0A
200-240VAC @ 1.5A
50/60Hz Single Phase

Remote Input Connections:

| | |
|-------------------------------------|-----------------|
| Speed Setpoint for each Rotator | 0-10Vdc/4-20mA |
| Trigger/Turbine ON for each Rotator | Contact Closure |
| Master Trigger/Turbine ON | Contact Closure |
| Master Reset | Contact Closure |

Remote Output Connections:

| | |
|------------------|----------------|
| Speed Feedback | 0-10Vdc/4-20mA |
| Rotator Active | 24Vdc |
| Rotator Fault | 24Vdc |
| Master Fault | 24Vdc |
| Underspeed | 24Vdc |
| Overspeed | 24Vdc |
| Loss of Feedback | 24Vdc |

Supply Air: 110 psig Max., 40 micron filtration recommended

Remote Enable Pressure Switches:

15 psig min. to activate
150 psig max.



PulseTrack 2 control cards.

ITW Ransburg

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