

Micro-Processor based Vibratory feeder Drive



APPLICATIONS:

- Weighing & Packing Machines
- Vibratory Feeders
- Vibratory Tables
- Material Transport
- Dosing

Rhythm Series

Digital control

Linear Control

Range of Models

Choice of Power Ratings

Choice of In-put AC Voltages

Built-in EMI/ RFI Protection

PLC SCADA Interface Enabled

Micro-Processor based Vibratory feeder Drive

Core Technologies has developed a variety of Vibratory feeder digital drives. Starting with plain manually operated Model Rhythm 100 to smart Rhythm 300 designed to work with PLC and SCADA Systems. The higher end models include feature like preset time operation and profiles for ramped start and stop etc..

Each model is available for operation on 50 or 60 Hz (or 100 /120 Hz). Designed for 24, 48, 110, 240 Volts AC RMS power ratings are available with currents from 0.5 to 6 Amps. All models are Micro-controller based with built-in linearization and allow feed rate setting in step of 1 from 1 to 99%. Internal linearization is performed at a resolution of 0.1% ensuring linearity better than 0.5% of FSR. Depending on the end use application the entire product range is segmented into three main categories.

1) Rhythm-100: Caters to low end plain continuous operation for settings selected manually from the two digit thumb wheel switch and manual start-stop push button operation.

2) Rhythm-200: Caters to operation under control of PLC with logic level control for start or stop. Feed rate setting selected manually from the two digit thumb wheel switches.

3) Rhythm-300: The high end model to operates under a SCADA system through opto-isolated, multi drop RS-485 serial communication with the host computer. The feed rate setting, start rate hold time decay rate as well as timed operation (using built-in real time clock calendar) can be controlled from control room system

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