

SMART  
 INDUSTRIAL  
 MCP

DIGITAL



## RF4 PWM

Electronic Controller for Electromagnetic Vibrator



- Microprocessor digital professional controller with visualized frequency (optional):
- Delay 4 sec max ON/OFF vibrator with sensor NPN/PNP or relay contact
  - Alarm absence pieces (8 sec.)
  - Air blow.
  - Automatic Input from PLC 0/10V-0/20mA
  - Status relay.



## FQ1 PWM

Electronic Controller for Electromagnetic Vibrator



- Microprocessor digital professional controller with visualized frequency and amplitude:
- Delay 8 sec max On/Off vibrator with sensor NPN/PNP or relay contact
  - Automatic Input from PLC 0/10V-0/20mA
  - Status relay.

## RF4 PWM

### GENERAL CHARACTERISTICS

- Voltage (110V) 230V, 50-60 Hz
- Double Input ON/OFF
- Soft/fast ramp
- Manual Regulation Amplitude/Frequency (30/80Hz - 80/130Hz)
- 3000/6000 V/m
- Line input with schuko plug
- Vibrator output with connector.

### APPLICATION

Digital regulation of linear and bowl feeder till 5 Amps. The RF4 PWM allows optimizing operation of the vibratory feeder by searching for its resonance frequency (max performance) thereby eliminating its lengthy and difficult mechanical calibration.

### OPTIONS

Personalized label • Connector for vibrator • Display Frequency Meter • Available Frequency Regulation by inside trimmer • Frequency regulation with knob blocked or with keys.

### ELECTRICAL CHARACTERISTICS

Tension of Feeding:	115V or 230V ± 5% 50/60Hz
Consumption:	1,5 W max
Current Max:	5A (RMS)
Load Min:	50 mA (RMS)
Frequency of Vibration:	30 ÷ 130Hz
Time of Ramp:	0/2 sec.
Input Sensor:	NPN/PNP or Free voltage contact
Automatic Input:	0/10V-0/20mA (with 470 Ohm)
On/Off:	free voltage contact - signal voltage 0/24Vcc
Delay ON/OFF:	0/4 sec
Degree of Protection:	IP65 in box (NEMA4-4X) (POT. ONLY)
Temperature Of Storage: -	15°C./ + 80°C.
Temperature of Operation:	-5°C / +55°C
Altitude:	till to 2000 meters
European Norms:	EMC CE
Guarantee:	1 year (from date on circuit)

### AVAILABLE VERSIONS

Code	Box	Dimension
PV RF4PW Z2 SMB	Metallic	133 x 133 x 91
PV RF4PW D2 STB	Circuit DIN35	120 x 126 x 90
PV RF4PW Z2 SM1	Metallic	133 x 133 x 91
PV RF4PW D2 STD	Circuit DIN35	120 x 126 x 90
PV RF4PW Z2 SMK	Metallic	133 x 133 x 91

## FQ1 PWM

### GENERAL CHARACTERISTICS

- Voltage (110V) 230V, 50/60 Hz
- 3000/6000 Vib/min
- Double Input ON/OFF
- Soft/fast ramp
- Manual Regulation amplitude/frequency ( 30/80Hz - 80/130Hz) min/max
- Limitation Max Output current
- Line input with schuko plug
- Vibrator output with connector.

### APPLICATION

Digital regulation of linear and bowl feeder till 6,3 Amps - The FQ1 dig allows optimizing operation of the vibratory feeder by searching for its resonance frequency (max performance) thereby eliminating its lengthy and difficult mechanical calibration.

### OPTIONS

Personalized label • Connector for vibrator • Display Frequency Meter • Available Frequency Regulation by inside trimmer • Frequency regulation with knob blocked or with keys.

### ELECTRICAL CHARACTERISTICS

Tension of Feeding:	115V or 230V ± 5% 50/60Hz
Consumption:	2,5 W max
Current Max:	6,3A (RMS)
Load Min:	50 mA (RMS)
Frequency of Vibration:	30/80Hz(50Hz) - 80/130Hz(100Hz)
Time of Ramp:	1 sec.
Input Sensor:	NPN/PNP or Free voltage contact
Automatic Input:	0/10V-0/20mA (with 470 Ohm)
On/Off:	free contact
Delay ON/OFF:	0/8 sec
Degree of Protection:	IP65 in box (NEMA4-4X)
Temperature Of Storage: -	Of Storage: -15°C./ + 80°C.
Temperature of Operation:	-5°C / +55°C
Altitude:	till to 2000 meters
European Norms:	EMC CE
Guarantee:	1 year (from date on circuit)

### AVAILABLE VERSIONS

Code	Box	Dimension
PV FQ1PW Z2 SMB	Metallic	195 x 130 x 90
PV FQ1PW D2 STB	Circuit DIN35	195 x 120 x 50
PV FQ1PW Z2 SM1	Metallic	195 x 130 x 90
PV FQ1PW D2 STD	Circuit DIN35	195 x 120 x 50
PV FQ1PW Z2 SMK	Metallic	195 x 130 x 90