

Electronic Controller for Electromagnetic Vibratory Feeders

▶ RF4 PWM

5A
**115V
230V**
**0/10V
4/20mA**

General

Microprocessor digital professional controller with visualized frequency (optional). This controller is available in metallic box with two potentiometers and display, with keys and display, with a potentiometer without display or in circuit with DIN35.

General Characteristics

Voltage (115V) 230 V, 50-60 Hz • Double Input ON/OFF • Soft/fast ramp • Manual Regulation Amplitude/Frequency (30/80Hz - 80/130Hz) • 3000/6000 vpm • Line input with schuko plug • Vibrator output with connector. 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-4/20mA - Status Relay

Applications

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

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

Technical Specs

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

Available Versions

Type	Box	Colour	Dimensions	Code	Price €
RF4PWM/B	Metallic	RAL 7035	133 x 133 x 91	PV RF4PW Z2 STB	
RF4PWM/B	Circuit DIN35		120 x 126 x 90	PV RF4PW D2 STB	
RF4PWM	Metallic	RAL 7035	133 x 133 x 91	PV RF4PW Z2 STD	
RF4PWM	Circuit DIN35		120 x 126 x 90	PV RF4PW D2 STD	
RF4PWM/BD	Metallic	RAL 7035	133 x 133 x 91	PV RF4PW Z2 SBD	
RF4PWM/BD	Circuit DIN35		120 x 126 x 90	PV RF4PW D2 SBD	
RF4PWM/K	Metallic	RAL 7035	133 x 133 x 91	PV RF4PW Z2 STK	



**METALLIC BOX
RF4 PWM**
PV RF4PW Z2 STD
133x133x91



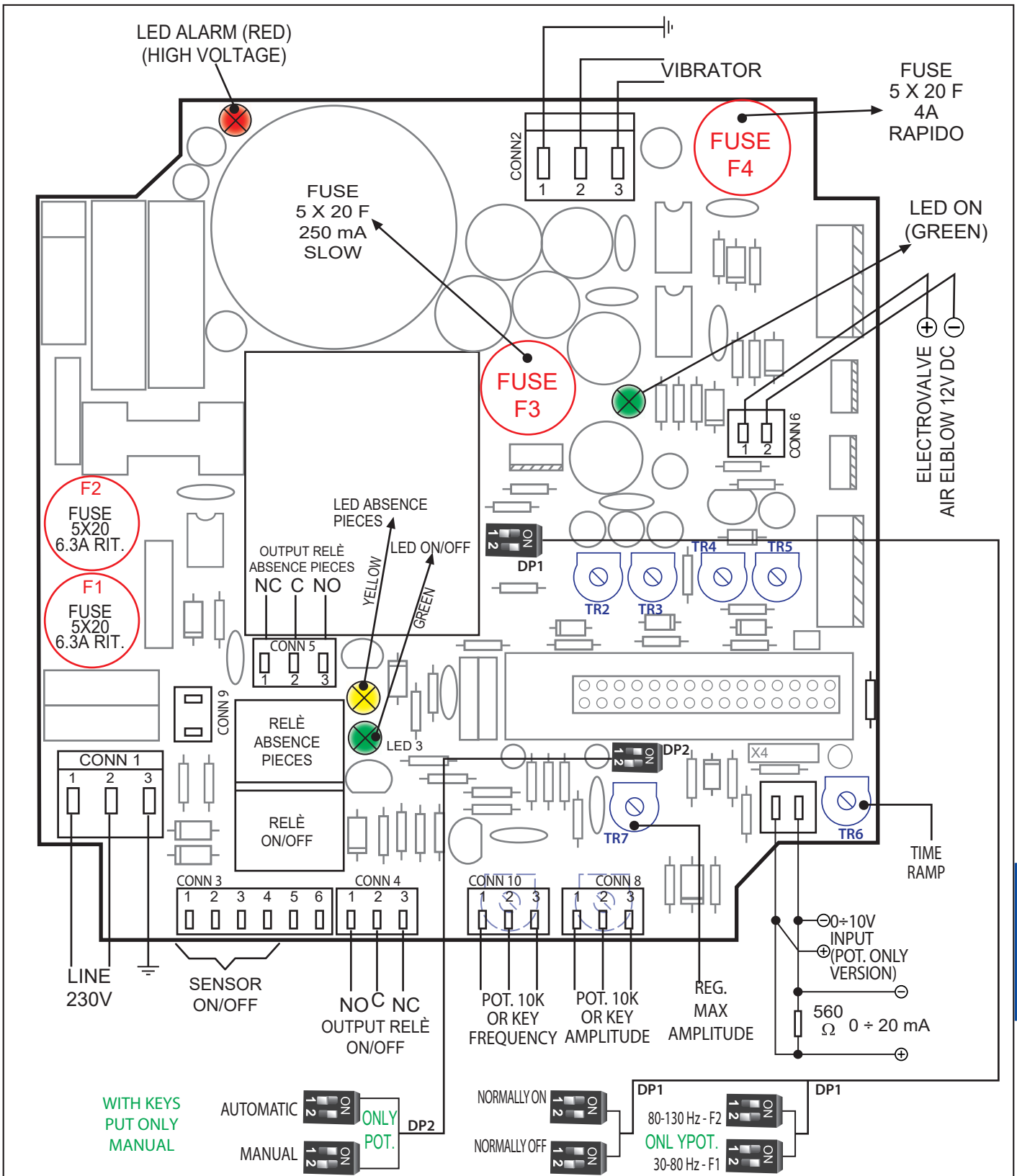
**METALLIC BOX
RF4 PWM**
PV RF4PW Z2 STK
133x133x91



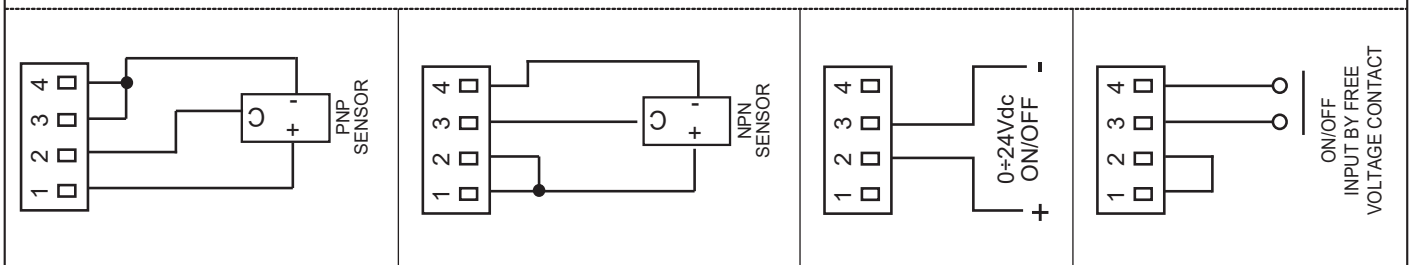
**METALLIC BOX
RF4 PWM**
PV RF4PW Z2 STB
133x133x91



CIRCUIT DIN35
PV RF4PW D2 STD



DIGITAL



	Description: CIRCUIIT RF4 PWM/K				
	CODE	REV	DATE	DRAFTSMAN	PAGE
	DTRF4PWM	03	11/13	E. PEDRAZZI	1/1