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 dispaly 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

Feeding Tension:	115 V or 230 V ± 10% 50/60Hz
Consumption:	1,5 W max
Max Current:	5 A (RMS)
Min Load:	50 mA (RMS)
Vibration Frequency:	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
Protection Degree:	IP65 in box (NEMA 4/4X) (POT. ONLY)
Storage Temperature:	-15°C./ + 80°C.
Operation Temperature:	–5°C / +55°C
Altitude:	till to 2000 meters
European Norms:	EMC CE
Warranty:	1 year (from date on circuit)



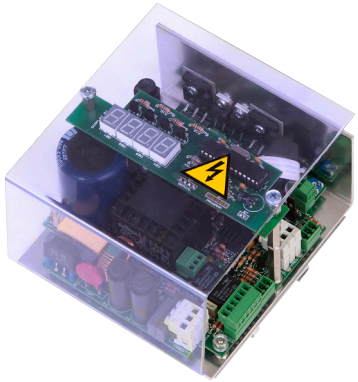
METALLIC BOX
RF4 PWM
PV RF4PW Z2 STD
133x133x91



METALLIC BOX
RF4 PWM
PV RF4PW Z2 STK
133x133x91



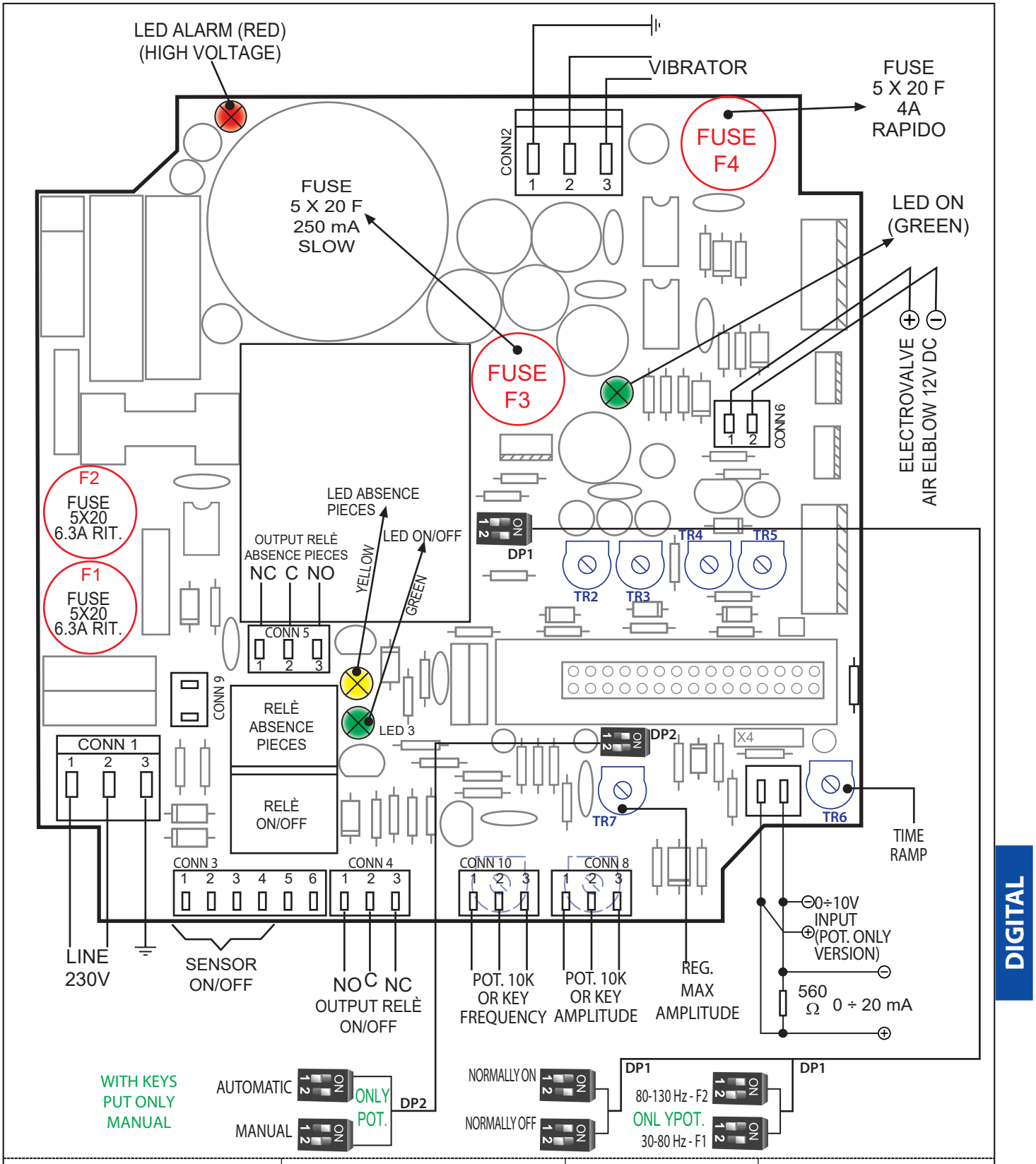
METALLIC BOX
RF4 PWM
PV RF4PW Z2 STB
133x133x91



CIRCUIT DIN35
PV RF4PW D2 STD

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	



DIGITAL

MP ELETTRONICA
QUALITY VIBRATION CONTROL

Description: **CIRCUIT RF4 PWM/K**

CODE	REV	DATE	DRAFTSMAN	PAGE
DTRF4PWM	03	11/13	E. PEDRAZZI	1/1