Electronic Controller for Electromagnetic Vibratory Feeders

▶ RF4 PWM/N

5A | 85/250V | 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 85/250V, 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 6 sec max ON/OFF vibrator with sensor NPN/PNP or relay contact - 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:	85/250V - 50/60Hz
Consumption:	1,5 W max
Max Current:	5 A (RMS)
Fuses:	double 5A F 250V 5x20 H 1500A
Min Load:	50 mA (RMS)
On/Off:	free voltage contact - signal voltage 0/24Vcc
Output Frequency:	50 ÷ 100Hz ± 12Hz
Automatic Input:	0/10V-4/20mA (with 470 Ohm)
Input Sensor:	NPN/PNP or Free voltage contact
Delay ON/OFF:	0/6 sec
Current Limit:	5 Amp.
Storage Temperature:	-40°C / + 80°C.
Operation Temperature:	-15°C / +45°C
Range of relative humidity:	80% till to 31°C
Altitude:	till to 2000 meters
European Norms:	EMC CE
Protection Degree:	IP65 in box (NEMA 4/4X) (POT. ONLY)
Warranty:	1 year (from date on circuit)



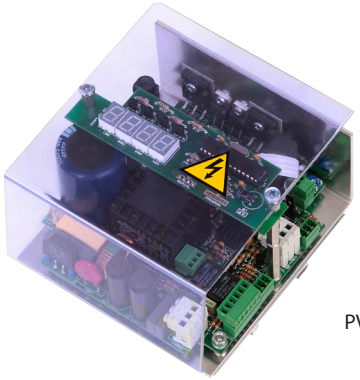
METALLIC BOX
RF4 PWM
PV RFPBN Z2 SBN
133x133x91



METALLIC BOX
RF4 PWM
PV RFBDN Z2 STN
133x133x91



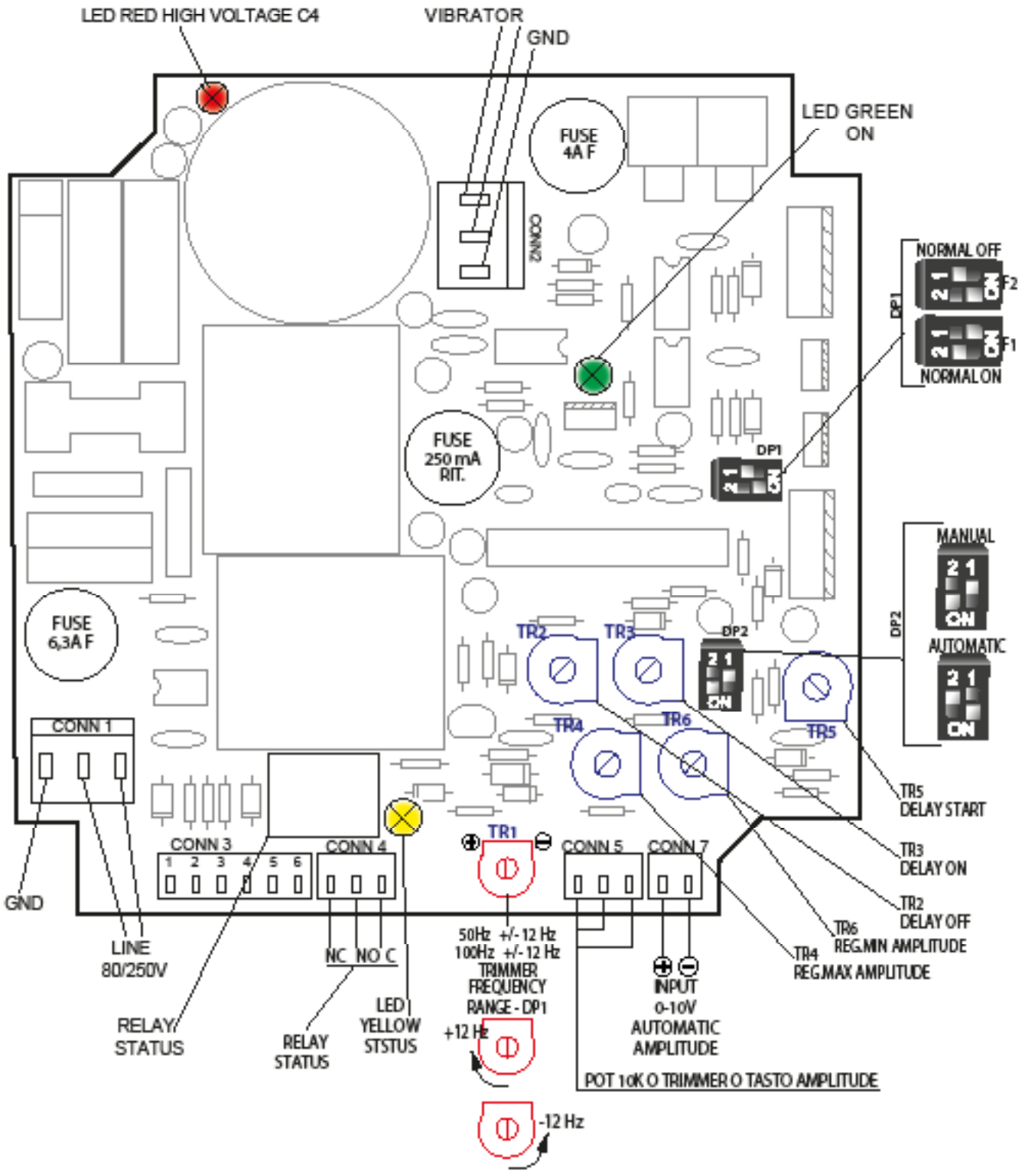
CIRCUIT DIN35
PV RFPBN D2 SBN
120x130x90

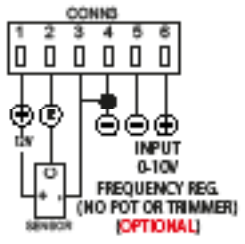


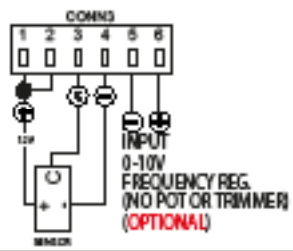
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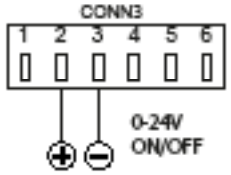
Available Versions

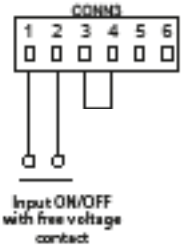
Type	Box	Colour	Dimensions	Code	Price €
RF4PWM/BN	Metallic	RAL 7035	133 x 133 x 91	PV RF4PW Z2 SBN	
RF4PWM/BN	Metallic	RAL 7035	133 x 133 x 91	PV RF4PW Z2 BDN	
RF4PWM/BDN	Circuit DIN35		120 x 130 x 90	PV RF4PW D2 SBN	
RF4PWM/BDN	Circuit DIN35		120 x 130 x 90	PV RF4PW D2 BDN	











DIGITALE

Description: ELECTRONIC CIRCUIT RF4 PWM - BN

CODE	REV	DATE	DRAFTSMAN	SHEET
DTRF4PWMBN	03	11/13	E. PEDRAZZI	1/1