

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 display 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



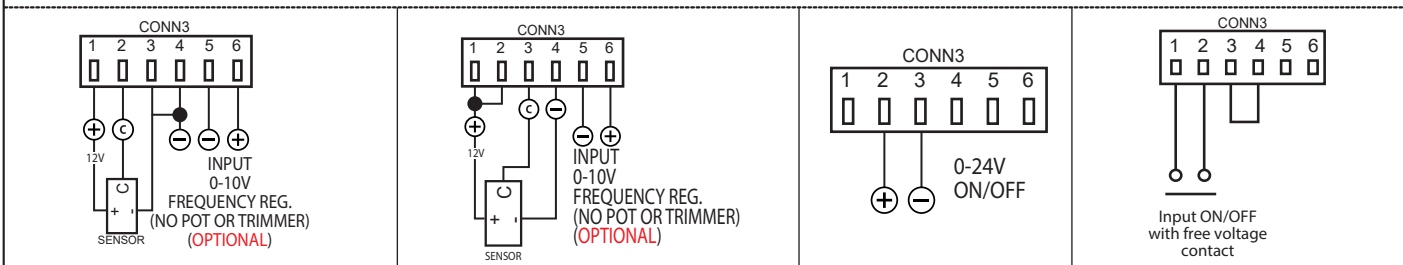
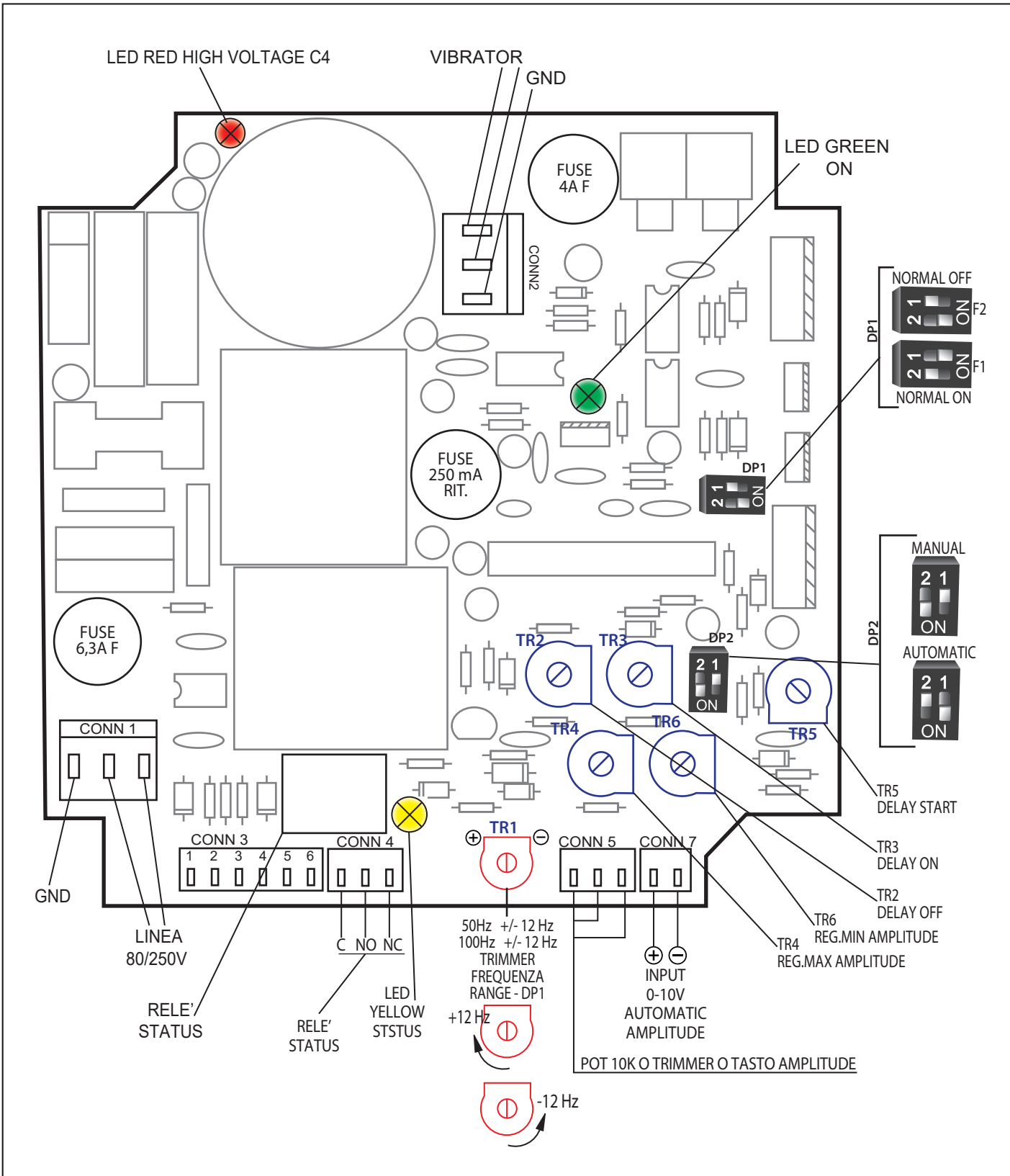
CIRCUIT DIN35
PV RFPBN D2 SBN
120x130x90



CIRCUIT DIN35
PV RFBDN D2 STN
120x130x90

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	



Description: CIRCUI TO ELETTRONICO RF4 PWM - BN

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