Electronic Controller for Electromagnetic Vibratory Feeders

R4FC

5A | 115V 230V | 0/10V

General

Stabilized, optoisolated, compact and economic controller. This controller is available in the following versions: only circuit, circuit with DIN35 support and external potentiometer, plastic or metallic box.

General Characteristics

Voltage 115V/230V, 50/60 Hz • 3000/6000 vpm • Multiple ON/OFF input with double logic • Slow/fast ramp • Reg. vibration min/max • Line input with schuko plug • Vibrator output with connector • Automatic Input 0/5V-0/10V • Led ON (green) • Led OFF (red).

Applications

Regulation of linear feeders and small bowl feeders till 5 Amps.

Options

Box IP65 (NEMA 4/4X) • INOX Box • Customized label • Double speed • Connector for vibrator • Available with PRX92-PRX99 circuits for NPN-PNP sensor.

Technical Specs

Feeding Tension:	115/230V ± 10% – 50/60 Hz
Consumption:	1 W max
Max Current - Min Load:	5 A (RMS) - 30 mA (RMS)
Automatic Input:	0/10V-0/20 mAmp
Frequency of Vibration:	3000/6000 vpm (50 Hz) RC-AC
Ramp Time:	0,1 sec. / 1 sec. (adjustable)
Min Regulation:	80 V ± 30% (230V)
Max Regulation:	220 V - 30% (230V)
On/Off:	free voltage contact/voltage signal 0/24Vcc
Protection Degree:	IP55 in box (IP65-NEMA4-4X)
Storage Temperature:	–10°C / +80°C
Operation Temperature:	–5°C / +55°C
European Norms:	EMC CE
Warranty:	1 year (from date on circuit)



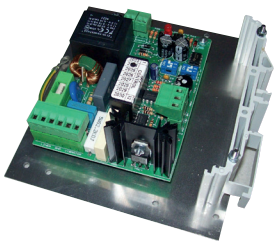
METALLIC BOX
PV R4FC Z2 STM
140x115x60



METALLIC BOX
PV R4FC Z2 SM1
150x100x80



PLASTIC BOX
PV R4FC Z2 STD
165x100x67

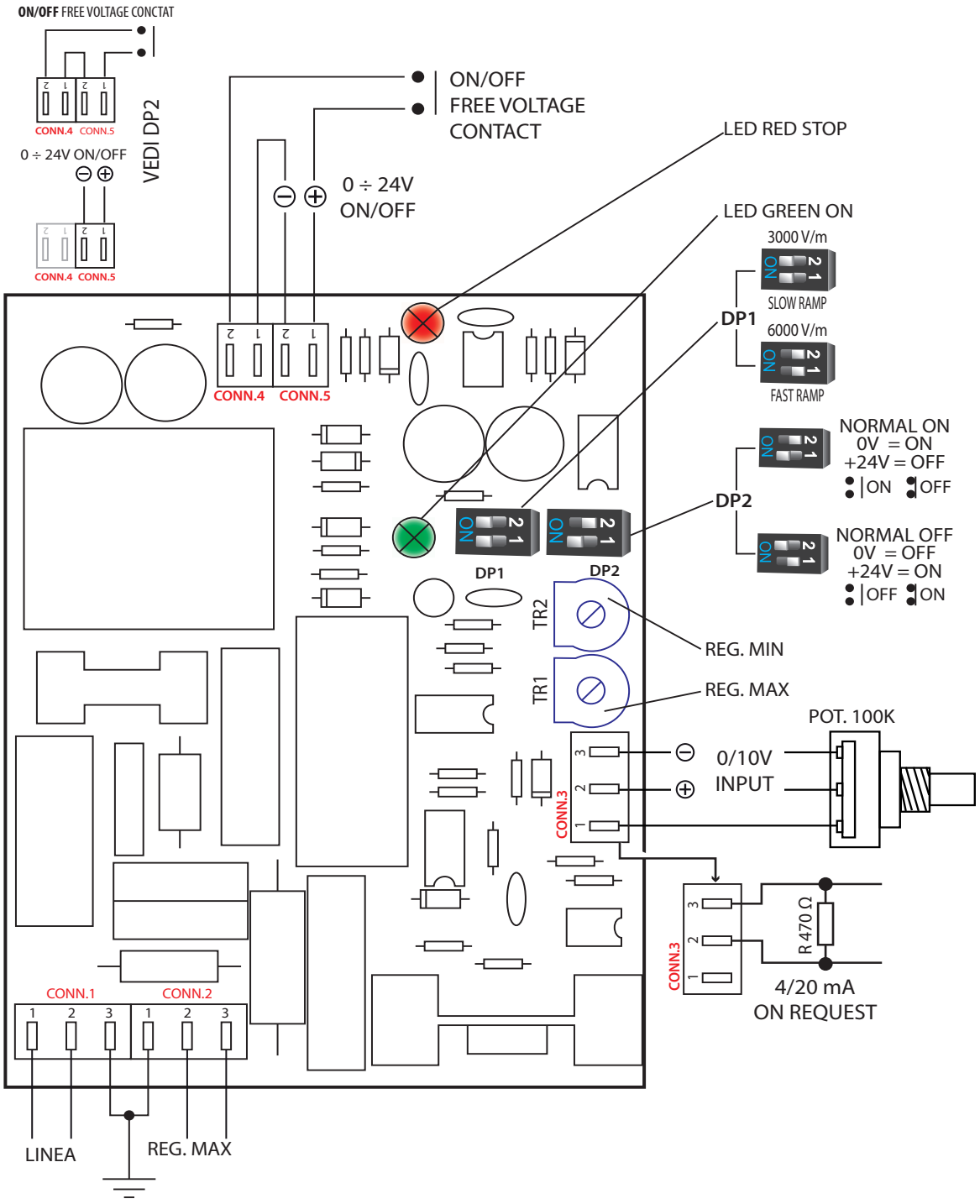


CIRCUIT DIN35
PV R4FC D2 STD

Available Versions

Type	Box	Colour	Dimensions	Code	Price €
R4FC	Circuit		108 x 84 x 33,5	PV R4FC A2 STD	
R4FC DIN	Circuit		125 x 85 x 64,5	PV R4FC D2 STD	
R4FC	Fire-retardant plastic	RAL 7035	165 x 100 x 67	PV R4FC Z2 STD	
R4FC	Aluminum	RAL 7035	140 x 115 x 60	PV R4FC Z2 STM	
R4FC	Aluminum	RAL 7035	150 x 100 x 80	PV R4FC Z2 SM1	

SMART-ISO



ADJUSTMENT:
WITH 0V ADJUST THE MINIMUM
WITH 5V ADJUST THE MAXIMUM
THE MINIMUM IS NOT INFLUENCED THE MAXIMUM
IS INFLUENCED BY THE MINIMUM 3000 AND 6000
HAVE DIFFERENT CALIBRATION

MP ELETTRONICA
QUALITY VIBRATION CONTROL

Description: **ELECTRONIC CIRCUIT R4FC**

CODE	REV	DATE	DRAFTSMAN	SHEET
DTR4FC	00	12/16	E. PEDRAZZI	1/1