Electronic Controller for Electromagnetic Vibratory Feeders

R3FC

4A | 115V 230V | IP 65

General

Stabilized, 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 115/230V, 50/60 Hz • 3000/6000 vpm • Input ON/OFF • Slow/fast ramp • Reg. vibration min/max •Led ON • Line input with schuko plug• Vibrator output with connector.

Applications

Regulations of linear feeders and small bowl feeders till 4 Amps.

Options

Box IP65 (NEMA 4/4X) • Customized label • Connector for vibrator.

Technical Specs

Feeding Tension:	115/230 V ± 10% – 50/60 Hz
Consumption:	1,5 W max
Max Current:	4 A (RMS)
Min Load:	50 mA (RMS)
Vibration Frequency:	3000/6000 vpm (50 Hz) RC-AC
Ramp Time:	0,2 sec. / 2 sec. (adjustable)
Min Regulation:	80 V ± 30%
Max Regulation:	220 V - 30%
On/Off:	free voltage contact
Protection Degree:	IP55 in box (IP65-NEMA 4/4X)
Storage Temperature:	–15°C / +80°C
Operation Temperature:	–5°C / +55°C
European Norms:	EMC CE
Warranty:	1 year (from date on circuit)



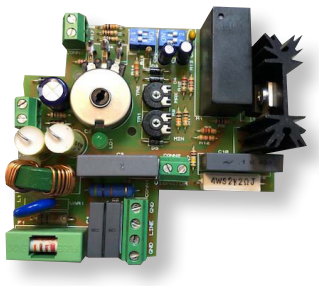
METALLIC BOX
PV R3FCX Z2 STM
100x100x50



METALLIC BOX
PV R3FCX Z2 SM1
100x100x50



PLASTIC BOX
PV R3FCX Z2 STD
100x100x50



CIRCUIT
PV R3FCX A2 STD

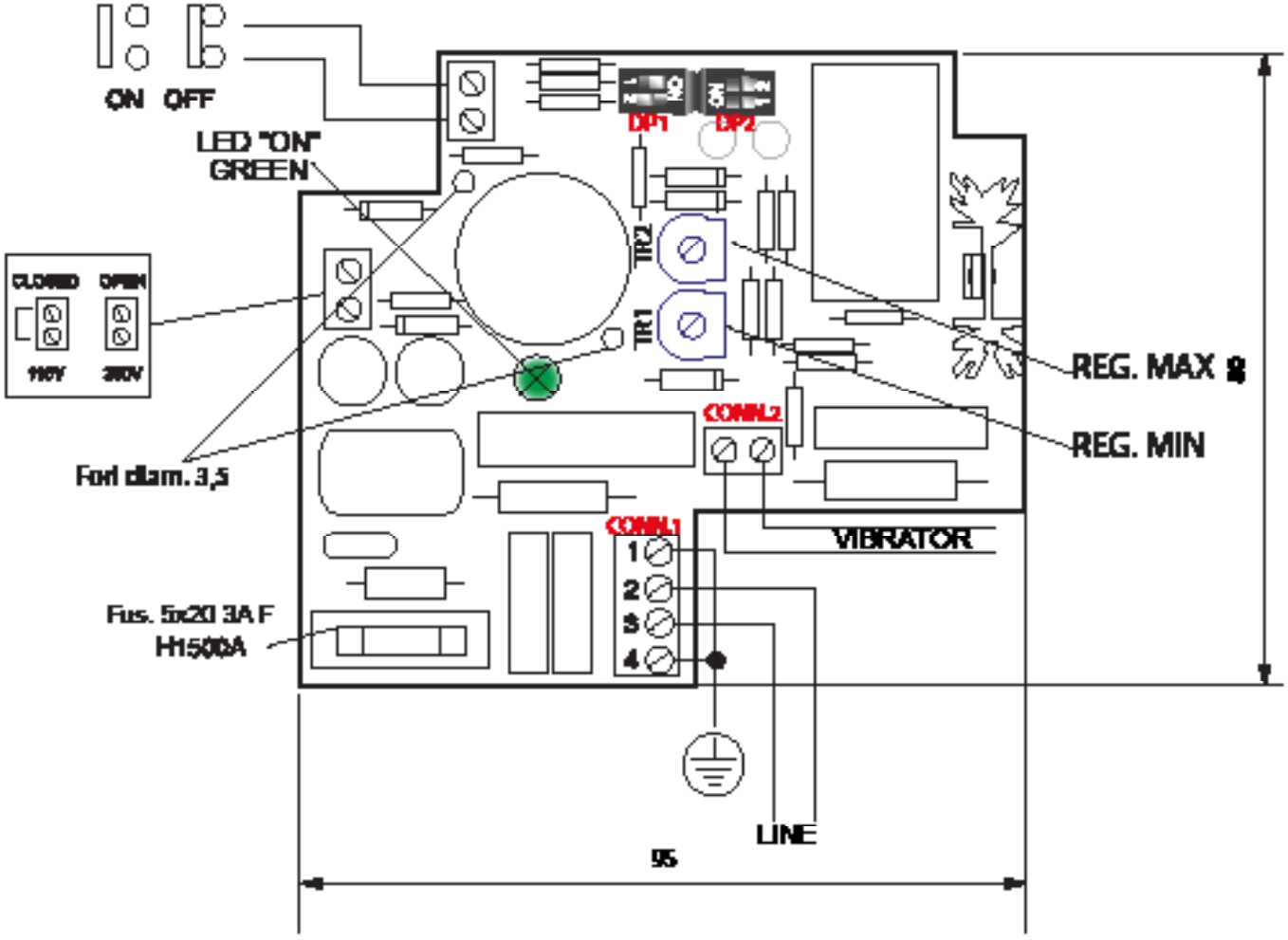
Available Versions

Type	Box	Colour	Dimensions	Code	Price €
R3FC	Circuit		80 x 95 x 35	PV R3FCX A2 STD	
R3FC	Fire-retardant plastic	RAL 7035	100 x 100 x 50	PV R3FCX Z2 STD	
R3FC	Aluminum	RAL 7035	100 x 100 x 50	PV R3FCX Z2 STM	
R3FC/DIN	Circuit DIN35		115 x 185 x 50	PV R3FCX D2 STD	
R3FC+PRX92	+ circuit for sensor NPN/PNP		100 x 100 x 50	PV R3P92 Z2 STD	

DP1 3000/6000		DP2 FAST/SLOW	
			
3000	6000	FAST	SLOW

SMART

USE CONTACS WITHOUT VOLTAGE !



NOTE

If you are using the circuit (IP00) insert it and wire it in a box that could guarantee a degree of safety that complies with current European regulations and isolate the terminals of the potentiometer with the rubbers supplied. We decline any responsibility for improper use of the circuit.

When change from 3000 to 6000 (vibration at minute) or from 6000 to 3000 to control MIN vibration.

Sketch and technical specs are subjected to modification without notice without warning.

MP ELETTRONICA

Description: CONTROL CIRCUIT R3FC (STABILIZED)

CODE	REV	DATE	DRAFTSMAN	SHEET
DTR3FC	00	02/03	E. PEDRAZZI	1/1