Electronic Controller for Electromagnetic Vibratory Feeders

# R3FSC 5/6A 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 Double ON/OFF(free contact, signal voltage) • Slow/fast ramp • Reg. vibration min/max • Led ON • Overload function• Line input with schuko plug • Vibrator output with connector.

## Applications

Regulation of linear feeders and small bowl feeders till 6 Amps.

## Options

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

## Technical Specs

| | |
|---|---|
| *Feeding Tension:* | 115/230 V ± 10% – 50/60 Hz |
| *Consumption:* | 1,5 W max |
| *Max Current:* | 5/6A (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) |



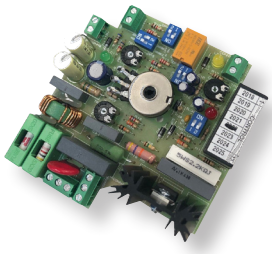
**METALLIC BOX**
PV R3FSC Z2 STM
140x115x60



**METALLIC BOX**
PV R3FSC Z2 SM1
150x100x80



**PLASTIC BOX**
PV R3FSC Z2 STD
165x100x67

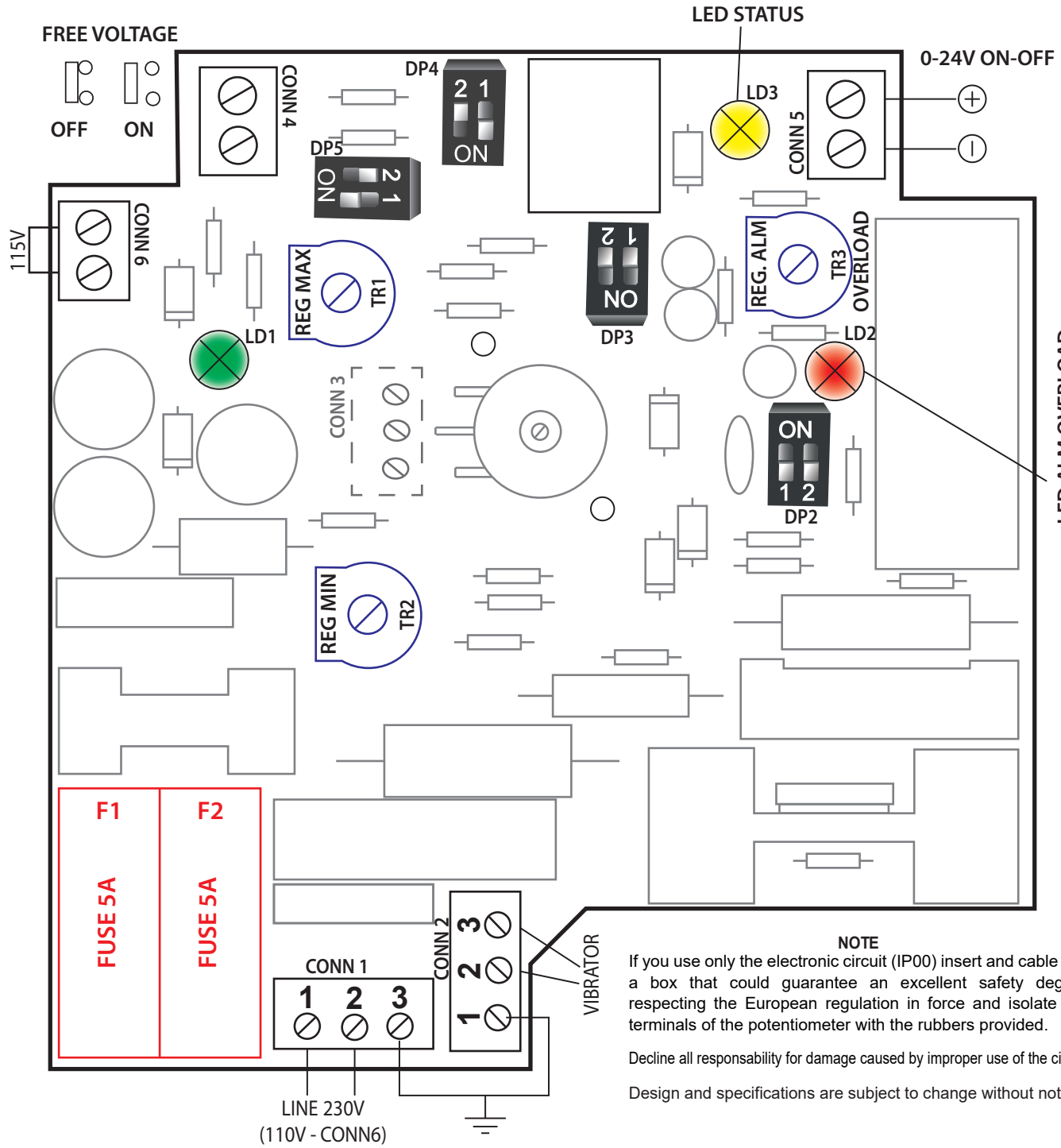


**CIRCUIT**
PV R3FSC A2 STD

## Available Versions

| Type | Box | Colour | Dimensions | Code | Price € |
|---|---|---|---|---|---|
| **R3FSC** | Circuit | | 94 x 94 x 35 | PV R3FSC A2 STD | |
| **R3FSC/DIN** | Circuit | | 115 x 185 x 50 | PV R3FSC D2 STD | |
| **R3FSC** | Fire-retardant plastic | RAL 7035 | 165 x 100 x 67 | PV R3FSC Z2 STD | |
| **R3FSC** | Aluminum | RAL 7035 | 140 x 115 x 60 | PV R3FSC Z2 STM | |
| **R3FSC** | Aluminum | RAL 7035 | 150 x 100 x 80 | PV R3FSC Z2 SM1 | |

SMART




**NOTE**

If you use only the electronic circuit (IP00) insert and cable it in a box that could guarantee an excellent safety degree respecting the European regulation in force and isolate the terminals of the potentiometer with the rubbers provided.

Decline all responsability for damage caused by improper use of the circuit

Design and specifications are subject to change without notice

**DP2 (RAMP)**

FAST — ON 1 2

SLOW — ON 1 2

**DP3 (OVERLOAD)**

ALM OFF — ON 1 2

ALM ON — ON 1 2

**DP4 (LOGIC ON/OFF)**

NORMAL OFF — ON 1 2

NORMAL ON — ON 1 2

**DP5 3000/6000 Vm)**

6000
100Hz
7200
120Hz

ON 1 2

3000
50Hz
3600
60Hz

ON 1 2

MP ELETTRONICA
QUALITY VIBRATION CONTROL

Description: CONTROL CIRCUIT R3FSC STABILIZED

| CODE | REV | DATE | DRAFTSMAN | SHEET |
|---|---|---|---|---|
| R3FSN | 00 | 08/22 | E. PEDRAZZI | 1/1 |