

Electronic Controller for Electromagnetic Vibratory Feeders



### 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 voltage, 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 vibrators and small bowl feeders till 6 Amps.

### Options

Box IP65 (NEMA 4/4X) • INOX Box • Customized label • Connector for vibrator. Available with circuit PRX92 or PRX99.

### Technical Specs

|                        |                                |
|------------------------|--------------------------------|
| Feeding Tension:       | 115/230 V $\pm$ 10% – 50/60 Hz |
| Consumption:           | 1,5 W max                      |
| Max Current:           | 6,3 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 $\pm$ 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)  |



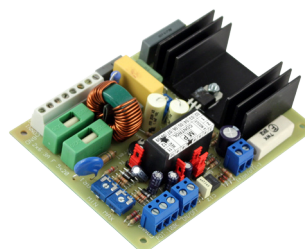
**METALLIC BOX**  
PV R5FCX Z2 STM  
165x140x65



**METALLIC BOX**  
PV R5FCX Z2 SM3  
195x130x90



**PLASTIC BOX**  
PV R5FCX Z2 STD  
165x130x70



**CIRCUIT**  
PV R5FCX A2 STD

### Available Versions

| Type       | Box                    | Colour     | Dimensions     | Code            | Price € |
|------------|------------------------|------------|----------------|-----------------|---------|
| R5FC       | Fire-retardant plastic | RAL 7035   | 165 x 130 x 70 | PV R5FCX Z2 STD |         |
| R5FC+PRX92 | Fire-retardant plastic | RAL 7035   | 165 x 130 x 70 | PV R5P92 Z2 STD |         |
| R5FC       | Aluminum               | GREY CLEAR | 165 x 140 x 65 | PV R5FCX Z2 STM |         |
| R5FC       | Aluminum               | RAL 7035   | 195 x 130 x 90 | PV R5FCX Z2 SM3 |         |
| R5FC/DIN   | Circuit DIN35          |            | 145 x 130 x 50 | PV R5FCX D2 STD |         |

USE CONTACTS WITHOUT VOLTAGE !

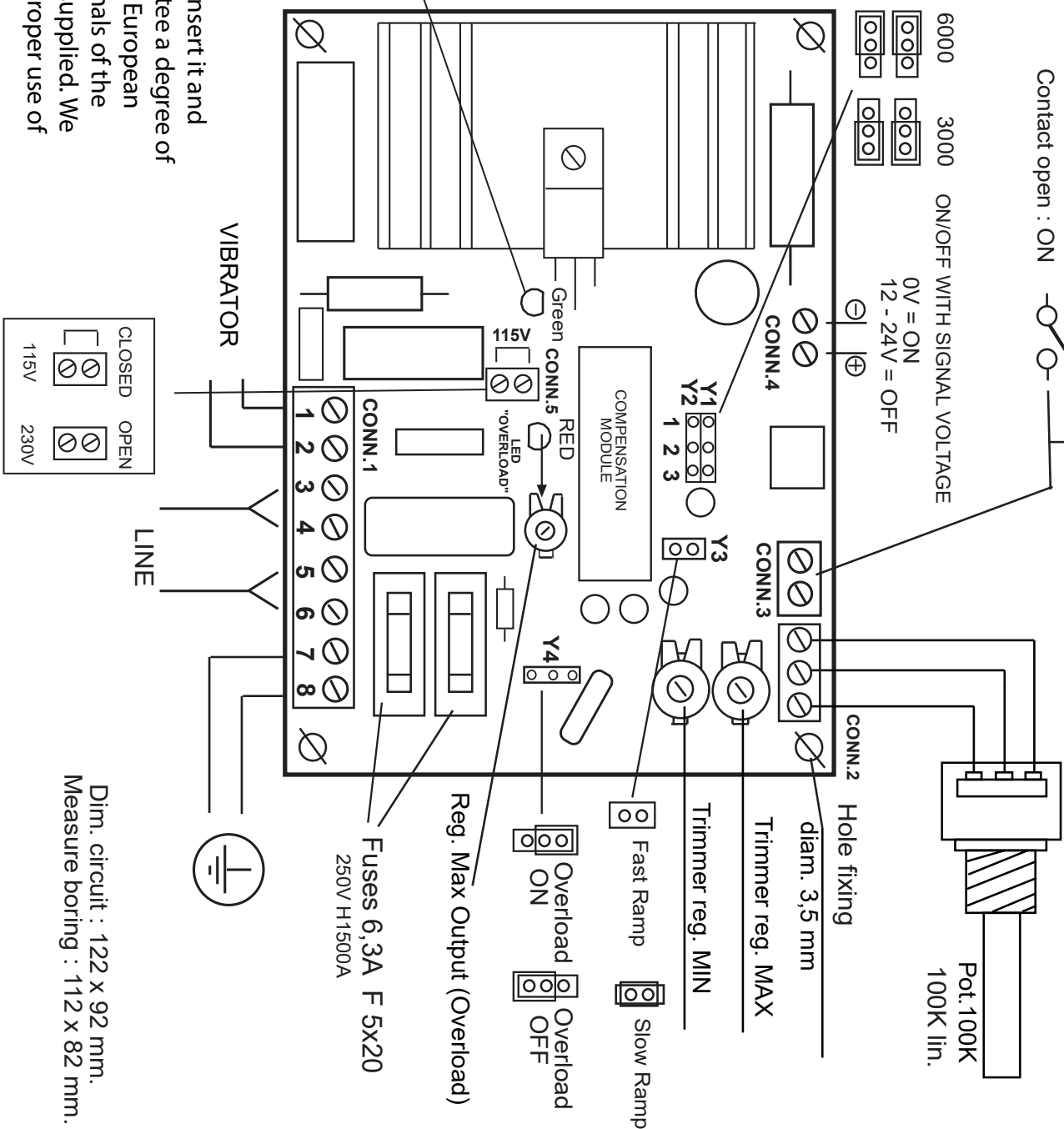


6000 3000 ON/OFF WITH SIGNAL VOLTAGE  
 Jumper 1-2 : 6000 vib./min.  
 Jumper 2-3: 3000 vib./min.

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

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



SKETCH AND TECHNICAL SPECS ARE SUBJECTED TO MODIFICATION WITHOUT NOTICE

Description: CONTROL CIRCUIT R5FC (STABILIZED)



| CODE   | REV | DATE  | DRAFTSMAN   | SHEET |
|--------|-----|-------|-------------|-------|
| DTR5FC | 00  | 02/03 | E. PEDRAZZI | 1/1   |

Dim. circuit : 122 x 92 mm.  
 Measure boring : 112 x 82 mm.