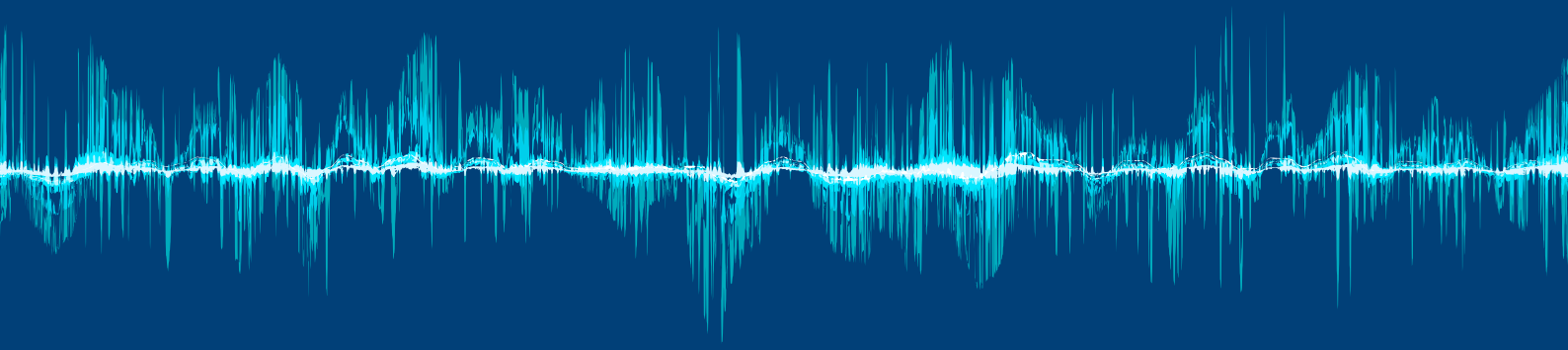
MPI ELETTRONICA
QUALITY VIBRATION CONTROL

SINCE 1988

CV SERIES FOR INDUSTRIAL VIBRATORS



CONTROLLER FOR INDUSTRIAL ELECTROMAGNETIC VIBRATORS

PRODUCT SPECIFICATION

MADE IN ITALY

MP Elettronica srl
Elettronica Industriale - Sistemi Elettronici - Engineering
Sesto S. Giovanni (MI) - Tel. 02 2403864 - Fax 02 2400643
www.mpelettronica.com - mp@mpelettronica.com

Electronic Controller for Electromagnetic Vibrator

COMPANY PROFILE

MP Elettronica was established more than **35** years ago in Italy and since **1998** the quality management system of the company is certified **ISO 9001:2015**. The company is based in Milan (Italy). Since its establishment MP Elettronica designs, engineers and manufactures controllers for electromagnetic vibrators and nowadays the company has affirmed its market leader position due to its innovative solutions and products. In **1994** the company turns to the current corporate structure and in **1996** opens the local branch in the region of Varese where products are designed and tested. Here the innovative first circuit Amplitude / Analog Frequency was designed and manufactured for the first time and during the years it has replaced the Microprocessor Digital series.

The strengths of MP Elettronica are:

- Technological Know How on designing and expertise in the field
- Customization of the products according the Customer needs (also for small quantity)
- High standards of certified Quality system (UNI EN ISO 9001:2015)
- 99.64% reliability of the products and warranty
- Prompt and lasting technical support through different communication channels
- Flexibility and Fast Delivery
- Excellent Relationship between Quality and Price

The products are highly reliable, certified and comply with the regulations. During the years MP ELETTRONICA has steadily expanded both in national and international markets due to its great experience and expertise in the field.
Nowadays MP Elettronica is a leader company in the field of **controllers for electromagnetic vibrators** and manufactures thousands of controls units which are employed in the different industrial sectors.
The company employs lasting resources in research and commitment aiming at the development of the controllers. The strong relationship between the Company and Customers has lead to improve the wide range of innovative products in the catalogue. The catalogue already includes electronic controllers driven by microprocessor with standard or customized software.
The **Mission** MP Elettronica supplies products and provides integrated solutions to fully meet the needs of its Customers. The company assures the right solution for all Customers' applications, fast and reliable technical support and a delivery time in the next 24 hours.

MP Elettronica is a growing company which successfully exports the products worldwide. Designing and Engineering regularly improve the functions and performances of the products and follow the trend of the Automation market by investing important resources in Research and Development fields.



IQNET Registrazione N° it-1329

QUALITY SYSTEM



Certificato CSQ N° 9105.MPEL

Special executions on request

Inox Box - IP66 (NEMA 4/4X) - Driving module for multiple vibrators - Double speed - Double output - Customized versions and labels - Voltage from 24Vac to 600Vac - Driving vibrators 1500 V/m - 750 V/m - Controllers with feedback for mills - engineering.

Codes of the Products

Our products are identified according to the following scheme: (Lack of model will be replaced by X)

PV YYYYY Z H KKK

Product name	Circuit	Tension/Feeding	Customization
• R3FCX • R5FCX • CV6X • FQPWM • CV20S	• A-circuit • D-din • Z-box	• **1**-115V / • **2**-230V • **3**-400V / • **4**-23/400V • **5**-till to 500V • **6**-400V three phase • **7**-400V 3 phase+neuter	• **STD**-standard • **ABC**-customer code • execution • **SM1-STM**-metal box • **STP**-plastic box

SINCE 1988

MPE ELETTRONICA QUALITY VIBRATION CONTROL

IQNET RECOGNIZED CERTIFICATION — IMQ CERTIFIED

UNI EN ISO 9001:2015 - CERT.9105 MPEL

INDEX

SMART-ISO SERIES

SMART

Code :	R3FC • R3FSC • R5FC • R4FC • VBS06 • *CV99 - ISO: R3FC-ISO • R3FSC-ISO • R5FC-ISO
Voltage :	230V/115V • 50/60Hz • corrent max 3/4/6/8/10 A RMS
Features :	ON/OFF • 3000/6000 V/min • min/max • ramp
Applications :	Linear feeders • small bowl feeders till 6A
Options :	IP65 (NEMA4/4X) • box aluminum • with sensor NPN/PNP
*	Input 0÷10V - 0÷20mA

PRX SERIES

PRX

Code :	PRX92 • PRX99 • PRX13
Voltage :	230V o 115V • 50/60Hz
Features :	For sensor NPN/PNP • 2 delay ON/OFF
Applications :	Linear and bowl feeder "OVERFULL" check
Options :	With circuits R5FC • CV99 • CV6

INDUSTRIAL SERIES

INDUSTRIAL

Code :	**CV6/17-CV8/17 • CV12/17-CV15/17 • CV25/17 • CV40/17 • CV70/17 • CV100/17**
Voltage :	230V • 400V till 550V • 50/60Hz • corrent max 6/8/12/15/20/25/40/70/100 A RMS
Features :	3000/6000 V/min • input PLC 0/10V-0/20mA• ramp • min/max (man•aut) • 3 ON/OFF • Alarm • Input **double insulation**
Applications :	linear vibrator • bowl feeders
Options :	IP65 • vertical assembly DIN35 (only CV8) • INOX box • 1500 vib/m • 750 vib/m • 25 Hz - 33 Hz
Code :	**CV6S-CV8S • CV12FS-CV15FS • CV25FS • CV40FS • CV70FS • CV100FS**
Voltage :	230V • 400V till 550V • 50/60Hz • corrent max 6/8/12/15/20/25/40/70/100 A RMS
Features :	3000/6000 V/min • input PLC 0/10V-0/20mA• ramp • min/max (man•aut) • 3 ON/OFF • Alarm
Applications :	**linear vibrator • bowl feeders (with amplitude sensor SIND2)**
Options :	IP65 • vertical assembly DIN35 (only CV8) • INOX box • 1500 vib/m • 750 vib/m • 25 Hz - 33 Hz

DIGITAL SERIES AMPLITUDE/FREQUENCY

DIGITAL

Code :	RF4 PWM • RF4 PWM/N • FQ1 PWM • FQ1 PWM/HC • FQ1NG • FQ2NG • FQ3NG
Voltage :	85/260V • 50/60Hz • current max 4/6/8/10/12/16 A RMS
Features :	0/10V - 0/20mA • 2 sensors PNP • 30÷130 Hz • 5÷200 Hz
Applications :	Amplitude/Frequency digital regulation for vibrator till 16A
Options :	Custom label • 5÷300 Hz • amplitude sensor SIND3

MCP (DIGITAL) SERIES

MDL/MCP

Code :	MCP01 • MCP02 • MCP03 • MCP01/LT • MCP02/LT
Voltage :	85/260V • 50/60Hz • current max 6,3/8A RMS
Features :	Drive system for linear • sensor NPN/PNP • Blow feeder • sensor NPN/PNP • Hopper or motor elevator
Applications :	Automatic feeders system

MTR SERIES

MTR

Code :	MTR01 • MTR01 DIG (DIGITAL)
Voltage :	3x400V • 50/60Hz • 3x230V • 50/60 Hz • 230V 50/60Hz
Features :	3 Phase Motor-Driven Feeder and input sensor NPN/PNP
Applications :	3 Phase Motor-Driven Feeder with NPN/PNP sensor On/Off delay and Allarm delay
Options :	Custom label • Din35 version (MTR01) • custom SW (MTR01 DIG)

INSTRUMENTS SERIES

INSTRUMENTS

Code :	AMP METER • VIBROMETER • ALIM01
Voltage :	230V/400V • 50/60Hz
Features :	Amplitude check control with alarms (ALIM01) • current control (AMP-VIB)
Applications :	Amplitude of vibration monitoring with alarms (ALIM01)• current max measurement in electromagnetic vibrators (AMP-VIB)
Options :	IP65 • % amplitude instrument (MTR01) • Voltmeter (AMP-VIB) • DIN35

"CV" SERIES

Code : *CV6/17-CV8/17 • CV12/17-CV15/17 • CV25/17 • CV40/17 • CV70/17 • CV100/17*

Voltage : *230V • 400V till 550V • 50/60Hz • corrent max 6/8/12/15/20/25/40/70/100 A RMS*

CV6/17	PV CV617 Z2 STD	6A RMS Max



Protection		Box
IP65		Aluminium 240x130x110

CV6/17	PV CV617 Z2 SM1	6A RMS Max
CV8/17	PV CV817 Z2 SM1	8A RMS Max (10 A)



Protection		Box
IP65		Aluminium 195x130x90

CV12/17	PV C1217 Z4 STD	12A RMS Max
CV15/17	PV C1517 Z4 STD	15A RMS Max



Protection		Box
IP55		Steel Ver. 250x300x150

CV25/17	PV C2517 Z2 STD	25A RMS Max



Protection		Box
IP55		Steel Ver. 300x300x150

CV40/17	PV C4017 Z4 STD	40A RMS Max



Protection		Box
IP65		Steel Ver. 300x400x150

CVXY	PV C1017 Z2 STD	10/20/40A RMS Max



Protection		Box
IP66		Inox on request

Stabilized Electronic Control Circuits For Electromagnetic Vibrator

"CV" /17 SERIES

AVAILABLE VERSIONS

Type	Description	Code
CIRCUIT	CV6-8/17 230V-6A(8A)	PV CV6(8)17 A2 STD
CIRCUIT for DIN 35	CV6-8/17 230V-6A(8A)	PV CV6(8)17 D2 STD
CIRCUIT baseplate + plexiglass	CV6-8/17 230V-6A(8A)	PV CV6(8)17 A2 BSP
BOX	CV6-8/17 230V-6A(8A)	PV CV6(8)17 Z2 STD
BOX PLASTIC	CV6-8/17 230V-6A(8A)	PV CV6(8)17 Z2 STD
CIRCUIT	CV6-8/17 400V-6A(8A)	PV CV6(8)17 A3 STD
CIRCUIT for DIN 35	CV6-8/17 400V-6A(8A)	PV CV6(8)17 D3 STD
CIRCUIT baseplate + plexiglass	CV6-8/17 400V-6A(8A)	PV CV6(8)17 A3 BSP
BOX	CV6-8/17 400V-6A(8A)	PV CV6(8)17 Z3 STD
BOX PLASTIC	CV6-8/17 400V-6A(8A)	PV CV6(8)17 Z3 STP
CIRCUIT **	CV12/17 230V/400V-12A	PV C1217 A4 STD
BOX **	CV12/17 230V/400V-12A	PV C1217 Z4 STD
CIRCUIT **	CV12/17 TILL 500V-12A	PV C1217 A5 STD
BOX **	CV12/17 TILL 500V-12A	PV C1217 Z5 STD
CIRCUIT *	CV25/17 230V/400V-25A	PV C2517 A4 STD
BOX *	CV25/17 230V/400V-25A	PV C2517 Z4 STD
CIRCUIT *	CV25/17 TILL 500V-25A	PV C2517 A5 STD
BOX *	CV25/17 TILL 500V-25A	PV C2517 Z5 STD
CIRCUIT *	CV40/17 230V/400V-40A	PV C4017 A4 STD
BOX *	CV40/17 230V/400V-40A	PV C4017 Z4 STD
CIRCUIT *	CV40/17 TILL 500V-40A	PV C4017 A5 STD
BOX *	CV40/17 TILL 500V-40A	PV C4017 Z5 STD
CIRCUIT *	CV70/17 230/400V-70A	PV C7017 A4 STD **ON REQUEST**
BOX *	CV70/ 17 230/400V-70A	PV C7017 Z4 STD **ON REQUEST**
CIRCUIT *	CV100/17 230/400V-100A	PV C1017 A4 STD **ON REQUEST**
BOX *	CV100/17 230/400V-100A	PV C1017 Z4 STD **ON REQUEST**

INDUSTRIAL

Note: Is possible to supply all versions with double speed n. 2 potentiometers, to add after the last figures the code **S2V** or for the double output **S2U** (PV CV10F A4 STD S2V).

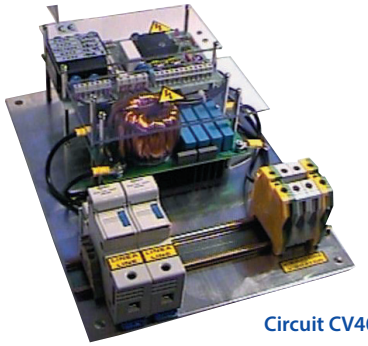
**** ON REQUEST 25 Hz/33 Hz** *** ON REQUEST 25 Hz**



Box CV6/17



Box CV12/17



Circuit CV40/17

Electronic Controller for Electromagnetic Vibrator

CV6/17-CV8/17

6/8 A | 115/230V 400V | 0/10V 4/20mA | IP65

General

Stabilized professional controller, compact, current till to 6,3A (CV6/17), 8A RMS (CV8/17) in metallic or plastic box, only circuit or circuit with support DIN35 with external potentiometer, with double insulation.

General Characteristics

Voltage (110V) 230V or 400V, 50/60 Hz • 3000/6000 VpM • Automatic input 0/10V-4/20mA • Multiple ON/OFF input • Slow/fast ramp • Reg. vibration min/max Manual/Automatic • Line input with schuko plug • Vibrator output with connector • Led green ON • Status relay (red led).

Applications

Adjustment of linear and bowl feeders up to 6.3/8 Amp for weighing and dosing systems, designed for anyone who uses any direct configuration from PLC (eg static relays for ON / OFF inputs and 0/10V signals) without the risk of connecting signals that interfere with each other.

Options

Box IP65 (NEMA 4/4X) INOX Box • Customized label • Double speed • Connector for vibrator • Available with PRX92-PRX99 circuits for NPN-PNP sensor • **IP20**.

Technical Specs

Feeding Tension:	110V or 230V or 400V ± 5% – 50/60 Hz
Consumption :	1,5 W max
Fuses CV12-CV15:	6,3/8A (RMS)
Min Load:	50 mA (RMS)
Potentiometr of reg.:	3000/6000 VPM (50 Hz) RC-AC
Vibration Frequency:	0,1 sec. / 1 sec. (modifiable)
Ramp Time:	80 V ± 30% (230V) 140 V ± 30% (400V)
Min Regulation:	220 V - 30% (230V) 380 V - 30% (400V)
Max Regulation:	free voltage contact/voltage signal 0/24Vcc
Consumption Input Autom. 0/10V:	1mA max
Impedance Input 0-10V/4-20mA:	50 Komh-50 omh
ON/OFF:	IP55-IP65 in box (only circuit IP00-IP20)
Protection Degree:	–35°C / +80°C
Storage Temperature:	–25°C / +50°C
Operation Temperature:	EMC CE
Warranty:	1 year (from date on circuit)



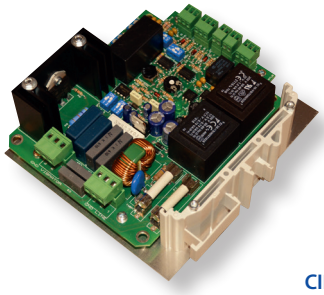
METALLIC BOX CV6/17
PV CV617 Z2 STM
165x140x65



METALLIC BOX CV6/17-CV8/17
PV CV817 Z2 SM1
195x130x90



PLASTIC BOX CV6/17
PV CV617 Z2 STP
165x130x70



CIRCUIT CV6/17-CV8/17
PV CV617 D2 STD

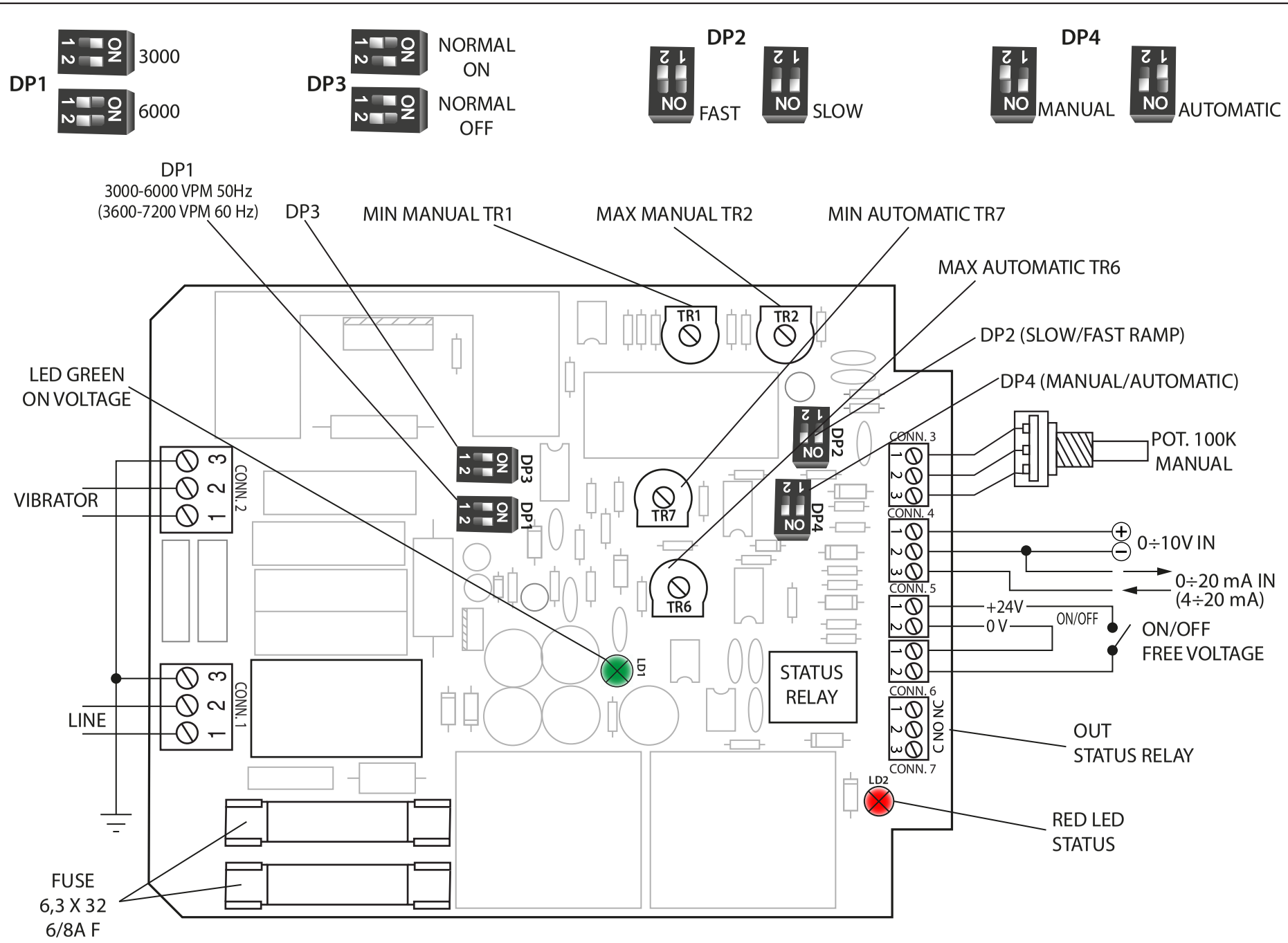
Available Versions ** on request*

Type	Box	Colour	Dimensions	Code	Price €
CV6/17	Fire-retardant plastic	RAL 7035	165 x 130 x 70	PV CV6 17 Z2 STP	
CV6/17	Aluminum	GREY RAL7040	165 x 140 x 65	PV CV6 17 Z2 STM	
CV8/17	Metallic Box	GREY	240 x 130 x 110	PV CV8 17 Z2 STD	
CV6/17-CV8/17	Circuit		145 x 115 x 45	PV CV6(8) 17 A2 STD	
CV6/17-CV8/17 DIN35	Circuit		145 x 140 x 55	PV CV6(8) 17 D2 STD	
CV6/17-CV/17	Aluminum	RAL 7035	195 x 130 x 90	PV CV6(8) 17 Z2 SM1	

MP ELETTRONICA
QUALITY VIBRATION CONTROL

CODE	REV	DATE	DRAFTSMAN	SHEET
DTCV6-8/17	00	09/18	E. PEDRAZZI	1/1

Description: CIRCUIT CV6/17 - CV8/17



INDUSTRIAL

Electronic Controller for Electromagnetic Vibrator

CV12/17-CV15/17

12/15A | 230V 400V | 0/10V 4/20mA | IP65

General

Stabilized professional controller, current till to 12A-15A RMS in metallic box, only circuit with external potentiometer, double insulation.

General Characteristics

Voltage (110V) 230V or 400V, 50/60 Hz • 3000/6000 VpM (**50/100 Hz**) • Automatic input 0/10V-4/20mA • Multiple ON/OFF input • Slow/fast ramp • Reg. vibration min/max Man/Automatic • Relay alarm ON vibrator • Led green ON • Status relay led red.

Applications

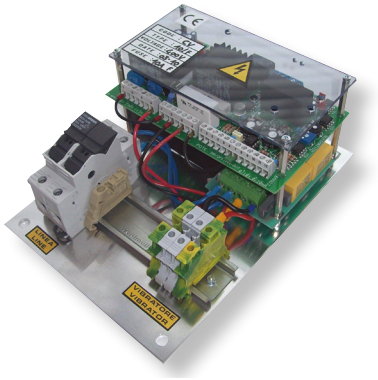
Adjustment of linear and bowl feeders up to 12 - 15 Amp for weighing and dosing systems, designed for anyone who uses any direct configuration from PLC (eg static relays for ON / OFF inputs and 0 / 10V signals) without the risk of connecting signals that interfere with each other.

Options

Box IP65 (NEMA 4/4X) INOX Box • Customized label • Voltage till 550V • Double speed • Double output • Module for 2 or more vibrators • **IP20** • **OUTPUT 25 Hz - 33 Hz** .



METALLIC BOX
PV C1217 Z4 STD
PV C1517 Z4 STD
250X300X150



CIRCUIT CV10F
PV C1217 A4 STD
PV C1517 A4 STD

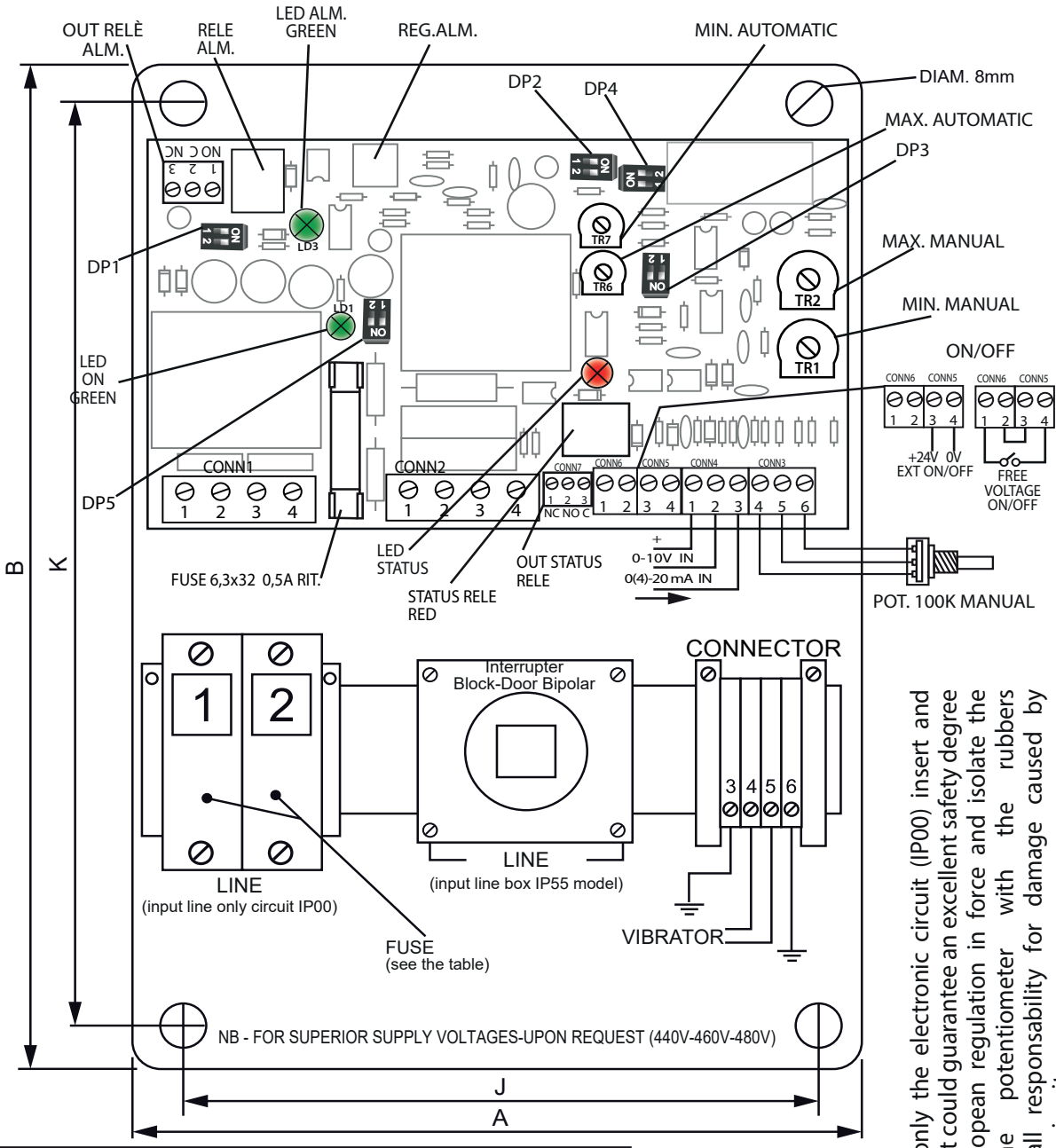
Technical Specs

Feeding Tension:	(110V) 230 V or 400V ± 5% – 50/60 Hz
Consumption :	3,5 W max
Fuses CV12-CV15:	double 12/15A F 660V 10x38 H 100000A
Min Load:	50 mA (RMS)
Potentiometr of reg.:	100K ohm linear
Vibration Frequency:	3000/6000 VPM (50 Hz) RC-AC
Ramp Time:	0,1 sec. / 2 sec. (adjustable)
Min Regulation:	80 V ± 30% (230V) 140 V ± 30% (400V)
Max Regulation:	200 V - 30% (230V) 380 V - 30% (400V)
Consumption Input Autom. 0/10V:	1mA max
Impedance Input 0-10V/0-20mA:	50 Komh-50 omh
ON/OFF:	free voltage contact /0-24Vcc
Protection Degree:	IP55 in box (IP65-NEMA4-4X)
Storage Temperature:	-35°C / + 80 °C
Operation Temperature:	–25°C / +50°C
Warranty:	1 year (from date on circuit)

Available Versions

Type	Box	Colour	Dimensions	Code	Price €
CV12/17-CV15/17	Circuit		230 x 170 x 100	PV C1217 A4 STD	
CV12/17-CV15/17	Metallic Box	GREY	250 x 300 x 150	PV C1217 Z4 STD	
CV12/17-CV15/17	Circuit (until 500V)		230 x 170 x 100	PV C1217 A5 STD	
CV12/17-CV15/17	Metallic Box (500V)	GREY	250 x 300 x 150	PV C1217 Z5 STD	
CV12/17-CV15/17	Circuit Doubles exit		230 x 170 x 100	PV C12S17 A5 S2U	
CV12/17-CV15/17	Circuit Doubles speed		230 x 170 x 100	PV C12S17 A5 S2V	

DP1	DP2	DP3	DP4	DP5
(50Hz) 3000 (60Hz) 3600 Only for CV12 CV25-CV40 only HALF WAVE	FAST SLOW	NORMAL OFF NORMAL ON	MANUAL AUTOMATIC	230V 400V OR MORE



MEASURE (mm) CIRCUITS FROM CV10 to CV100 (IP00)								
Circuit IP00 (*)	DIMENSION			BORING MEASURE		DIM. CONNECTORS	FUSE DIM./AMPERE	
	A	B	H	J	K			
CV 12/17	170	230	100	145	205	4 mmq	10,3 x 38	12A
CV 25/17	170	320	100	145	295	10 mmq	10,3 x 38	25A
CV 40/17	243	320	100	219	295	16 mmq	14 x 51	40A
CV 70/17	280	380	130	255	355	25 mmq	22 x 58	70A
CV 100/17	280	380	130	255	355	25 mmq	22 x 58	100A

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 responsibility for damage caused by improper use of the circuit.

SKETCH AND CHARACTERISTICS CAN BE MODIFY WITHOUT NOTICE

MP ELETTRONICA
QUALITY VIBRATION CONTROL

Descriptrion: STABILIZED ELECTRONIC CIRCUIT CVXY/F(*) HIGH STABILIZED

CODE	REV	DATE	DRAFTSMAN	SHEET
DT CVXY /17	00	28/02/19	E. PEDRAZZI	1/1

INDUSTRIAL

Electronic Controller for Electromagnetic Vibrator

CV25/17

25 A | 230V 400V | 0/10V 4/20mA | IP65

General

Stabilized professional controller, current till to 25A rms in metallic box, only circuit with external potentiometer, double insulation.

General Characteristics

Voltage (110V) 230V or 400V, 50/60 Hz • 3000/6000 VpM (**50/100 Hz**) • Automatic input 0/10V-4/20mA • Multiple ON/OFF input • Slow/fast ramp • Reg. vibration min/max Man/Automatic • Relay alarm ON vibrator • Relay alarm ON vibrator • Led green ON • Status relay led red.

Applications

Adjustment of linear and bowl feeders up to 25 Amp for weighing and dosing systems, designed for anyone who uses any direct configuration from PLC (eg static relays for ON / OFF inputs and 0 / 10V signals) without the risk of connecting signals that interfere with each other.

Options

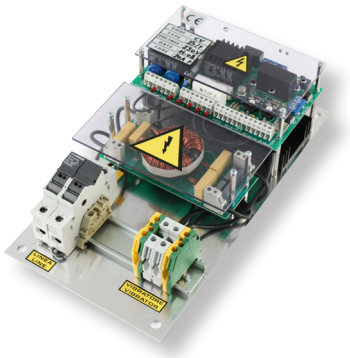
Box IP65 (NEMA 4/4X) • INOX Box • Customized label • Voltage till 550V • Double speed • Double output • Module for 2 or more vibrators • **IP20** • **OUTPUT 25 Hz**.

Technical Specs

Feeding Tension:	(110V) 230 V or 400V ± 5% – 50/60 Hz
Consumption :	3,5 W max
Fuses:	double 25A F 660V 10x38 H 100000A
Min Load:	50 mA (RMS)
Potentiometr of reg.:	100K ohm linear
Vibration Frequency:	3000/6000 VPM (50 Hz) RC-AC
Ramp Time:	0,1 sec. / 2 sec. (adjustable)
Min Regulation:	80 V ± 30% (230V) 140 V ± 30% (400V)
Max Regulation:	200 V - 30% (230V) 380 V - 30% (400V)
Consumption Input Autom. 0/10V:	1mA max
Impedance Input 0-10V/0-20mA:	50 Komh-50 omh
ON/OFF:	free voltage contact /0-24Vcc
Protection Degree:	IP55 in box (IP65-NEMA4-4X)
Storage Temperature:	-35 °C / + 80 °C
Operation Temperature:	–25°C / +50°C
Warranty:	1 year (from date on circuit)



METALLIC BOX
PV C2517 Z4 STD
300x300x150

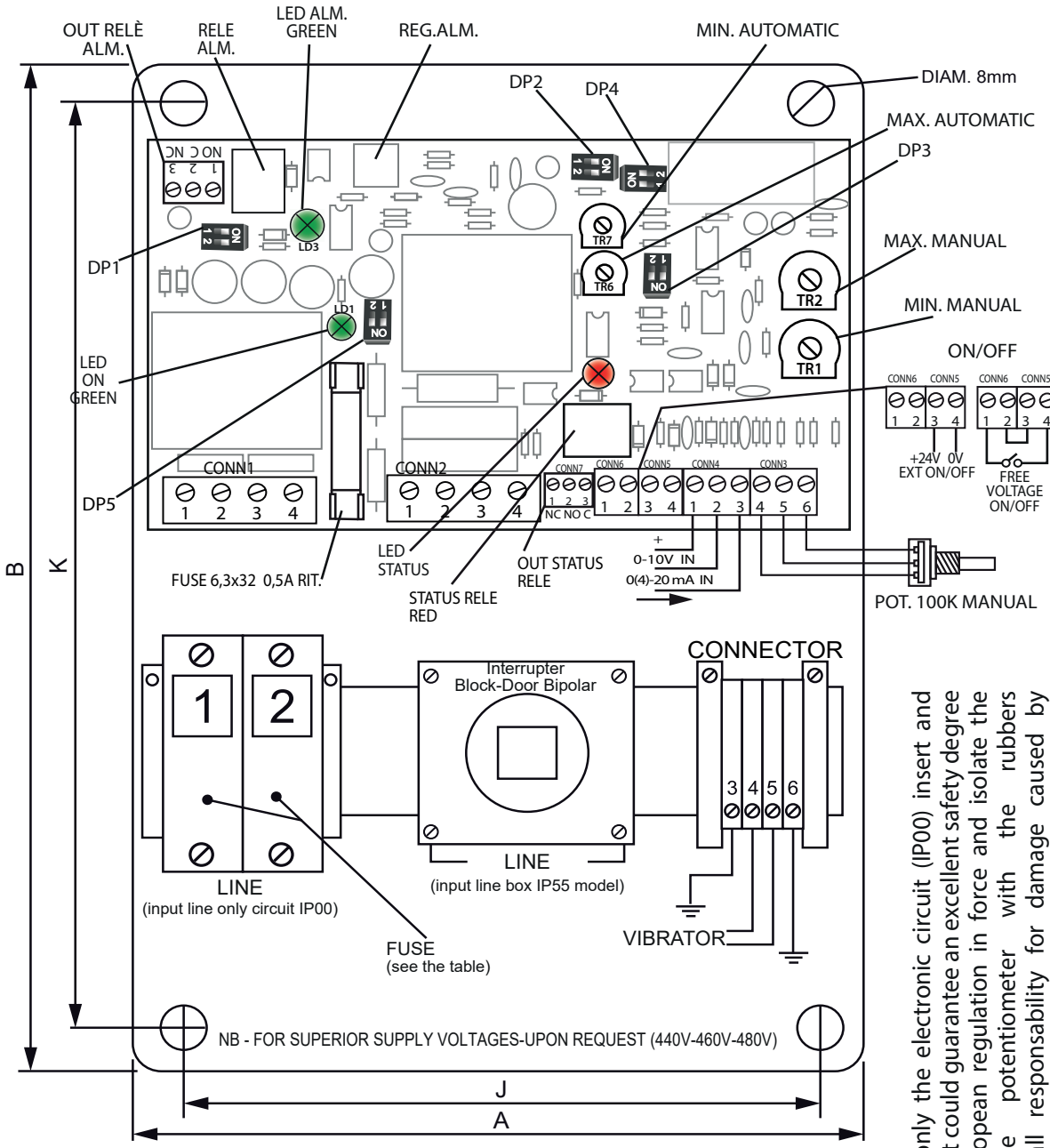


CIRCUIT CV25/17
PV C2517 A4 STD

Available Versions

Type	Box	Colour	Dimensions	Code	Price €
CV25/17	Circuit		170 x 320 x 100	PV CV20 17 A4 STD	
CV25/17	Metallic Box	GREY	300 x 300 x 150	PV CV20 17 Z4 STD	
CV25/17	Circuit (until 500V)		170 x 320 x 100	PV CV20 17 A5 STD	
CV25/17	Metallic Box (500V)	GREY	300 x 300 x 150	PV CV20 17 Z5 STD	
CV25/17	Circuit doubles exit		170 x 320 x 100	PV CV20 17 A5 S2U	
CV25/17	Circuit doubles speed		170 x 320 x 100	PV CV20 17 A5 S2V	

DP1	DP2	DP3	DP4	DP5
(50Hz) 3000 (60Hz) 3600 Only for CV12 CV25-CV40 only HALF WAVE	FAST SLOW	NORMAL OFF NORMAL ON	MANUAL AUTOMATIC	230V 400V OR MORE



MEASURE (mm) CIRCUITS FROM CV10 to CV100 (IP00)								
Circuit IP00 (*)	DIMENSION			BORING MEASURE		DIM. CONNECTORS	FUSE DIM./AMPERE	
	A	B	H	J	K			
CV 12/17	170	230	100	145	205	4 mmq	10,3 x 38	12A
CV 25/17	170	320	100	145	295	10 mmq	10,3 x 38	25A
CV 40/17	243	320	100	219	295	16 mmq	14 x 51	40A
CV 70/17	280	380	130	255	355	25 mmq	22 x 58	70A
CV 100/17	280	380	130	255	355	25 mmq	22 x 58	100A

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.

SKETCH AND CHARACTERISTICS CAN BE MODIFY WITHOUT NOTICE

MP ELETTRONICA
QUALITY VIBRATION CONTROL

Descriptrion: STABILIZED ELECTRONIC CIRCUIT CVXY/F(*) HIGH STABILIZED

CODE	REV	DATE	DRAFTSMAN	SHEET
DT CVXY /17	00	28/02/19	E. PEDRAZZI	1/1

INDUSTRIAL

Electronic Controller for Electromagnetic Vibrator

CV40/17

40 A | 230V 400V | 0/10V 4/20mA | IP65

General

Stabilized professional controller, current till to 40A rms in metallic box, only circuit with external potentiometer, double insulation.

General Characteristics

Voltage (110V) 230V or 400V, 50/60 Hz • 3000/6000 VpM (**50/100 Hz**) • Automatic input 0/10V-4/20mA • Multiple ON/OFF input • Slow/fast ramp • Reg. vibration min/max Man/Automatic • Relay alarm ON vibrator • Relay alarm ON vibrator • Led green ON • Status relay led red.

Applications

Adjustment of linear and bowl feeders up to 40 Amp for weighing and dosing systems, designed for anyone who uses any direct configuration from PLC (eg static relays for ON / OFF inputs and 0 / 10V signals) without the risk of connecting signals that interfere with each other.

Options

Box IP65 (NEMA 4/4X) • INOX Box • Customized label • Voltage till 550V • Double speed • Double output • Module for 2 or more vibrators • **IP20** • **OUTPUT 25 Hz**.

Technical Specs

Feeding Tension:	(110V) 230 V or 400V ± 5% – 50/60 Hz
Consumption :	3,5 W max
Fuses:	double 40A F 660V 10x38 H 100000A
Min Load:	50 mA (RMS)
Potentiometr of reg.:	100K ohm linear
Vibration Frequency:	3000/6000 VPM (50 Hz) RC-AC
Ramp Time:	0,1 sec. / 2 sec. (adjustable)
Min Regulation:	80 V ± 30% (230V) 140 V ± 30% (400V)
Max Regulation:	200 V - 30% (230V) 380 V - 30% (400V)
Consumption Input Autom. 0/10V:	1mA max
Impedance Input 0-10V/0-20mA:	50 Komh-50 omh
ON/OFF:	free voltage contact /0-24Vcc
Protection Degree:	IP55 in box (IP65-NEMA4-4X)
Storage Temperature:	-35 °C / + 80 °C
Operation Temperature:	–25°C / +50°C
Warranty:	1 year (from date on circuit)



METALLIC BOX
PV CV40F Z4 STD
300x400x150

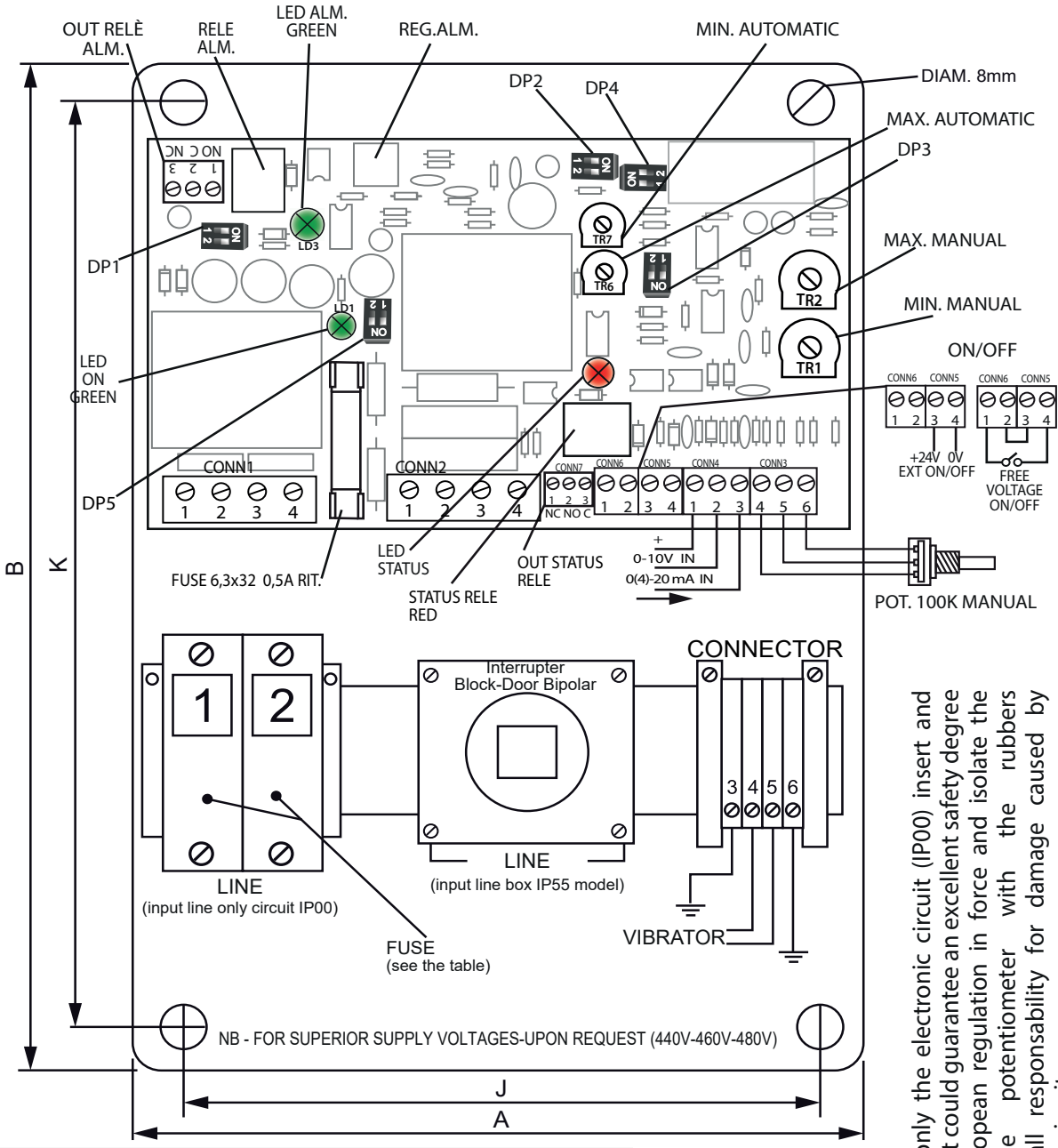


CIRCUIT
PV CV40F A4 STD

Available Versions

Type	Box	Colour	Dimensions	Code	Price €
CV40/17	Circuit		320 x 170 x 100	PV C4017 A4 STD	
CV40/17	Metallic Box	GREY	300 x 400 x 150	PV C4017 Z4 STD	
CV40/17	Circuit (until 500V)		320 x 170 x 100	PV C4017 A5 STD	
CV40/17	Metallic Box (500V)	GREY	300 x 400 x 150	PV C4017 Z5 STD	
CV40/17	Circuit doubles exit		320 x 270 x 100	PV C4017 A5 S2U	
CV40/17	Circuit doubles speed		320 x 170 x 100	PV C4017 A5 S2V	

DP1	DP2	DP3	DP4	DP5
(50Hz) 3000 (60Hz) 3600 Only for CV12 CV25-CV40 only HALF WAVE	FAST SLOW	NORMAL OFF NORMAL ON	MANUAL AUTOMATIC	230V 400V OR MORE



MEASURE (mm) CIRCUITS FROM CV10 to CV100 (IP00)								
Circuit IP00 (*)	DIMENSION			BORING MEASURE		DIM. CONNECTORS	FUSE DIM./AMPERE	
	A	B	H	J	K			
CV 12/17	170	230	100	145	205	4 mmq	10,3 x 38	12A
CV 25/17	170	320	100	145	295	10 mmq	10,3 x 38	25A
CV 40/17	243	320	100	219	295	16 mmq	14 x 51	40A
CV 70/17	280	380	130	255	355	25 mmq	22 x 58	70A
CV 100/17	280	380	130	255	355	25 mmq	22 x 58	100A

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.

SKETCH AND CHARACTERISTICS CAN BE MODIFY WITHOUT NOTICE

MP ELETTRONICA
QUALITY VIBRATION CONTROL

Descriptrion: STABILIZED ELECTRONIC CIRCUIT CVXY/F(*) HIGH STABILIZED

CODE	REV	DATE	DRAFTSMAN	SHEET
DT CVXY /17	00	28/02/19	E. PEDRAZZI	1/1

INDUSTRIAL

Cross reference : INDUSTRIAL CV-CVS series controller (with SIND2 amplitude sensor)

	CV6/17	CV8/17	CV12/17 CV15/17	CV25/17	CV40/17	CV6S/17	CV8S/17	CV12FS CV15FS	CV25FS	CV40FS
Tension 50/60 Hz	115 or 230 or 400	115 or 230 or 400	115 or 230/400	115 or 230/400	115 or 230/400	115 or 230 or 400	115 or 230 or 400	115 or 230/400	115 or 230/400	115 or 230/400
Amps	6	8	12/15	25	40	6	8	12/15	25	40
ON/OFF Dry Contact	●	●	●	●	●	●	●	●	●	●
ON/OFF Tension	●	●	●	●	●	●	●	●	●	●
Accelerometer SIND1 o SIND2	–	–	–	–	–	●	●	●	●	●
0/10V 0/20 mA	●	●	●	●	●	●	●	●	●	●
Amplitude Adjustment	Man. Pot. Autom.	Man. Pot. Autom.	Man. Pot. Autom.	Man. Pot. Autom.	Man. Pot. Autom.	Man. Pot. Autom.	Man. Pot. Autom.	Man. Pot. Autom.	Man. Pot. Autom.	Man. Pot. Autom.
Output Freq. 50/100 Hz 60/120 Hz	3000/6000 3600/7200	3000/6000 3600/7200	3000/6000 3600/7200	3000/6000 3600/7200	3000/6000 3600/7200	3000/6000 3600/7200	3000/6000 3600/7200	3000/6000 3600/7200	3000/6000 3600/7200	3000/6000 3600/7200
Slow/Fast Ramp	●	●	●	●	●	●	●	●	●	●
Reg. Volt Min/Max Man/Aut	●	●	●	●	●	●	●	●	●	●
EMC - CE	●	●	●	●	●	●	●	●	●	●
Dual Speed/Output	●	●	●	●	●	●	●	●	●	●
IP	65	65	65	65	65	65	65	65	65	65
Box Measurements	130x165x70 140x165x65	130x195x90	250x300x150	300x300x150	300x400x150	130x165x70 140x165x65	130x195x90	250x300x150	300x300x150	300x400x150
DIN35	●	●	–	–	–	●	●	–	–	–

All models are stabilized available CV70-CV70S (70A) INOX

Other voltages on request up to 500V CV12/CV25/CV40 are equipped with dual-stage power modules

CV12-CV15-CV25-CV40 33 Hz Output On Demand

CV12-CV15-CV25-CV40 25 Hz Output On Demand



SIND 2

END OF LIFE


SIND 1

Stabilized Electronic Control Circuits For Electromagnetic Vibrator

"CV" S SERIES

AVAILABLE VERSIONS

Type	Description	Code
CIRCUIT	CV6/8S 230V-6A(8A)	PV CV6(8)S A2 SSD
CIRCUIT for DIN 35	CV6/8S 230V-6A(8A)	PV CV6(8)S D2 SSD
CIRCUIT baseplate + plexiglass	CV6/8S 230V-6A(8A)	PV CV6(8)S A2 BSP
BOX	CV68/S 230V-6A(8A)	PV CV6(8)S Z2 SSD
BOX PLASTIC	CV6/8S 230V-6A(8A)	PV CV6(8)S Z2 SSD
CIRCUIT	CV6/8S 400V-6A(8A)	PV CV6(8)S A3 SSD
CIRCUIT for DIN 35	CV6/8S 400V-6A(8A)	PV CV6(8)S D3 SSD
CIRCUIT baseplate + plexiglass	CV6/8S 400V-6A(8A)	PV CV6(8)S A3 BSP
BOX	CV6/8S 400V-6A(8A)	PV CV6(8)S Z3 SSD
BOX PLASTIC	CV6/8S 400V-6A(8A)	PV CV6(8)S Z3 SSP
CIRCUIT **	CV12/FS 230V/400V-12A	PV CV12F A4 SSD
BOX **	CV12/FS 230V/400V-12A	PV CV12F Z4 SSD
CIRCUIT **	CV12/FS TILL 500V-12A	PV CV12F A5 SSD
BOX **	CV12/FS TILL 500V-12A	PV CV12F Z5 SSD
CIRCUIT *	CV25/FS 230V/400V-25A	PV CV25F A4 SSD
BOX *	CV25/FS 230V/400V-25A	PV CV25F Z4 SSD
CIRCUIT *	CV25/FS TILL 500V-25A	PV CV25F A5 SSD
BOX *	CV25/FS TILL 500V-25A	PV CV25F Z5 SSD
CIRCUIT *	CV40/FS 230V/400V-40A	PV CV40F A4 SSD
BOX *	CV40/FS 230V/400V-40A	PV CV40F Z4 SSD
CIRCUIT *	CV40/FS TILL 500V-40A	PV CV40F A5 SSD
BOX *	CV40/FS TILL 500V-40A	PV CV40F Z5 SSD
CIRCUIT *	CV70/FS 230/400V-70A	PV CV70F A4 SSD **ON REQUEST**
BOX *	CV70FS 230/400V-70A	PV CV70F Z4 SSD **ON REQUEST**
CIRCUIT *	CV100S1 230/400V-100A	PV CV100 A4 SSD **ON REQUEST**
BOX *	CV100S1 230/400V-100A	PV CV100 Z4 SSD **ON REQUEST**

INDUSTRIAL

Note: Is possible to supply all versions with double speed n. 2 potentiometers, to add after the last figures the code **S2V** or for the double output **S2U** (PV CV10F A4 SSD S2V)..

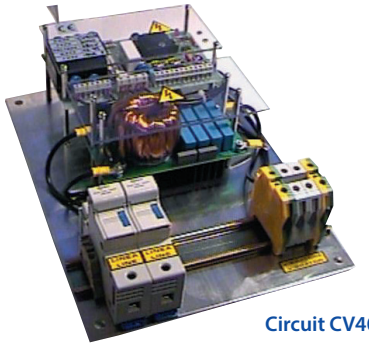
**** ON REQUEST 25 Hz/33 Hz** *** ON REQUEST 25 Hz**



Sensor SIND2



Box CV15/FS



Circuit CV40/FS

Electronic Controller for Electromagnetic Vibrator

CV6S-CV8S

Amp 6/8 | 110V 230V 400V | 0/10V 4/20mA

General

Stabilized Professional Controller, with or without amplitude sensor SIND1/SIND2, compact, fully opto-isolated - current up to 6.3A (CV6F), 8A RMS (CV8F) in metal or plastic casing, circuit only or circuit with DIN35 support with external potentiometer.

General Characteristics

Dual voltage (110V) 230V/400V, 50/60 Hz • 3000/6000 Vib/Min • Dual automatic inputs 0/10V-4/20mA • Triple ON/OFF • Slow/Fast ramp • Min/Max vibration adjustment Manual/Automatic • Status relay • Line input with schuko plug • Vibrator output with connector.

Applications

Regulation of linear vibrators and medium to large circular vibrators up to 6.3/8 Amps with manual or automatic control from PLC, with or without amplitude sensor SIND1/SIND2. For weighing and dosing systems.

Options

IP65 protection grade enclosures • Stainless steel (INOX) • Dual speed Vibrator connector • Use of PRX92, PRX99 circuit for NPN/PNP sensors • **IP20**.

Technical Specs

Tension of Feeding:	230 V or 400V ± 20% – 50/60 Hz
Consumption:	1,5 W max
Current Max:	6,3A/8A/10A (RMS)
Load Min:	50 mA (RMS)
Frequency of Vibration:	3000/6000 V/min (50Hz) RC-AC
Time of Ramp:	0,1 sec. / 1 sec. (modifiable)
Regulation Min.:	80V +/- 30% (230V) 140V +/- 30% (400V)
Regulation max:	200V - 30% (230V) 380V-30% (400V)
On/Off:	free voltage contact-signal voltage 0-24Vcc
Input Consumption Autom. 0/10V:	1mA max
Input Impedance 0-10V/4-20mA:	50 Komh-50 omh
Degree of Protection:	IP55 in box (IP65-NEMA4-4X)
Temperature of Storage:	-25 °C / + 80 °C
Temperature of Operation:	-15°C / +55°C
European Norms:	EMC CE
Guarantee:	1 year (from date on circuit)



METALLIC BOX CV6FS
CV6S
PV CV6SX Z2 STM
165x130x70



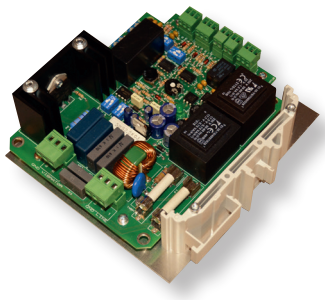
CASSETTA PLASTICA
CV8S
PV CV8SX Z2 STP
200 x 130 x 110



SENSOR SIND2
PV SIND2 ZX STD



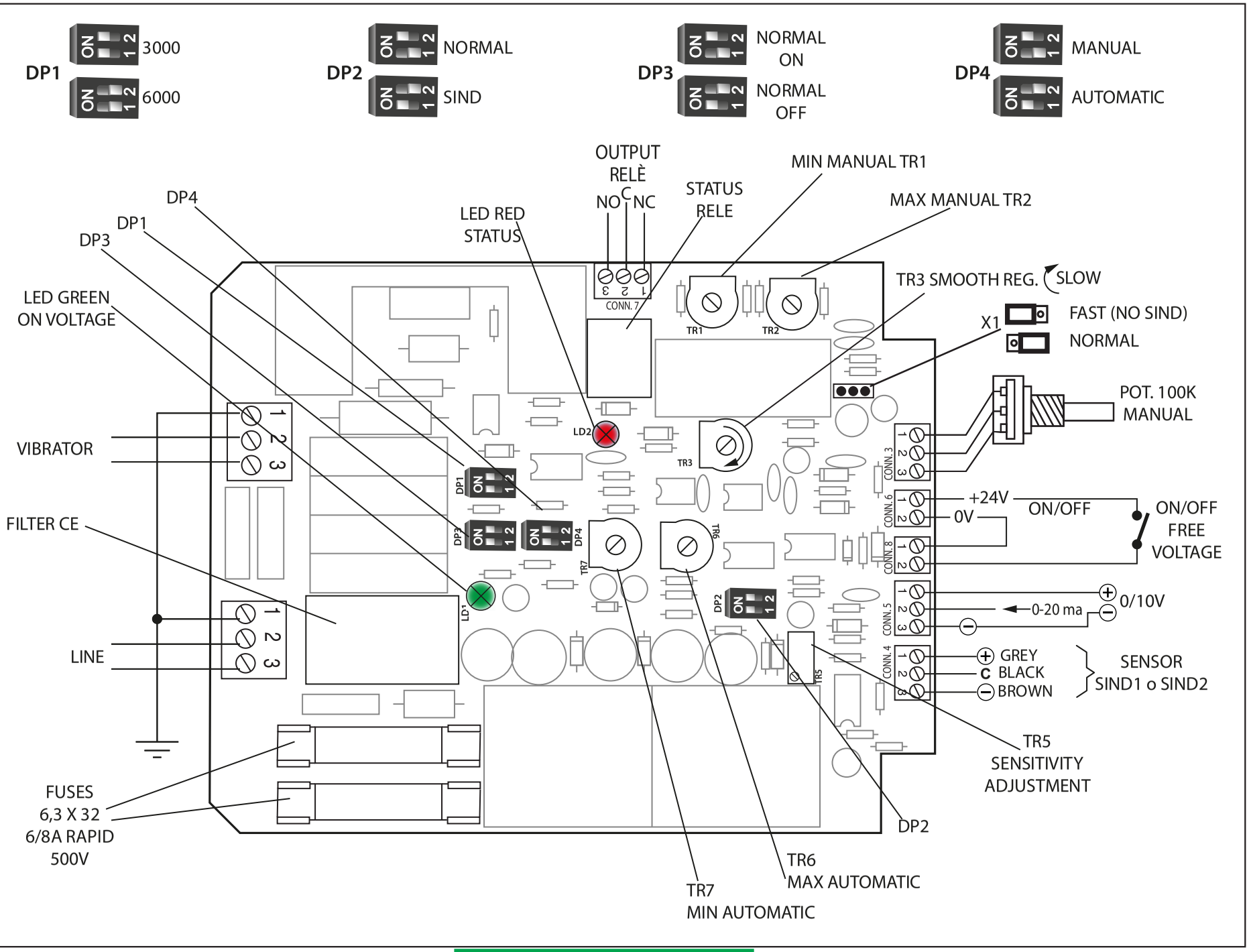
METALLIC BOX
CV6S
PV CV8SX Z2 SM1
195x130x90



CIRCUIT
CV6S
PV CV6SX D2 STD
120x145x7

Available Versions

Type	Box	Colour	Dimensions	Code	Price €
CV6S	Fire-retardant plastic	RAL7040	165 x 130 x 70	PV CV6FS Z2 STP	
CV6S	Aluminum	GREY RAL7040	165 x 140 x 65	PV CV6FS Z2 STM	
CV8S	Metallic Box	GREY	200 x 130 x 110	PV CV6FS Z2 STD	
CV6S-CV8S	Circuit		145 x 115 x 45	PV CV6(8)FS A2 STD	
CV6S-CV8S/DIN35	Circuit		145 x 140 x 55	PV CV6(8)FS D2 STD	
CV6S-CV8S	Circuit		145 x 140 x 55	PV CV6(8)FS A2 SBP	



INDUSTRIAL

Description: CIRCUIT CV6/S-CV8/S 230/400V 50/60 Hz	CODE	REV	DATE	DRAFTSMAN	SHEET
	DTCV6/8S	00	10/16	E. PEDRAZZI	1/1

Electronic Controller for Electromagnetic Vibrator

CV12FS-CV15FS

12/15A | 230V 400V | 0/10V 4/20mA

General

Stabilized professional controller with amplitude sensor sind1/sind2, current till to 12A-15A in metallic or inox box, only circuit with external potentiometer.

General Characteristics

Voltage (110V) 230V or 400V, 50/60 Hz • 3000/6000 Vib/Min (**50/100 Hz**) • Automatic input 0/10V-4/20mA • Multiple ON/OFF input • Slow/fast ramp • Reg. vibration min/max Manual/Automatic • Relay alarm ON vibrator.

Applications

Regulation of linear and circular vibrators till 12A-15A Amps with automatic input (PLC) with stabilized amplitude.

Options

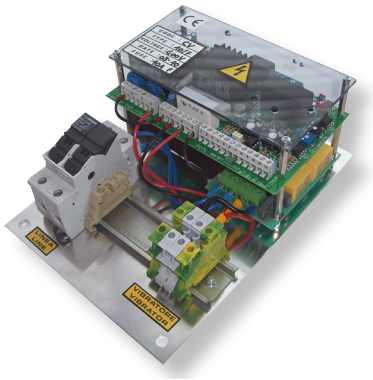
Box IP65 (NEMA 4/4X) • INOX Box • Personalized label • Voltage till 500V • Double speed • Double output • Module for 2 or more vibrators • **IP20** • **OUTPUT 25 Hz - 33 Hz**.

Technical Specs

Tension of Feeding:	230 V or 400V ± 20% – 50/60 Hz
Consumption :	3,5 W max
Fuses CV12-CV15:	double 12A/15A F 660V 10x38 H 100000A
Load Min:	50 mA (RMS)
Potentiometr of reg.:	100K ohm linear
Frequency of Vibration:	3.000/6.000 V/min (50 Hz) RC-AC
Time of ramp:	0,1 sec. / 2 sec. (modifiable)
Regulation Min.:	80 V ± 30% (230V) 140 V ± 30% (400V)
Regulation max:	200 V - 30% (230V) 380 V - 30% (400V)
Consumption Input Autom. 0/10V:	1mA max
Impedance Input 0-10V/4-20mA:	50 Komh-50 omh
ON/OFF:	free voltage contact /0-24Vcc
Degree of Protection:	IP55 in box (IP65-NEMA4-4X)
Temperature of Storage:	-25 °C / + 80 °C
Temperature of Operation:	-15°C / +55°C
Guarantee:	1 year (from date on circuit)



METALLIC BOX
PV CV12F Z4 SSD
PV CV15F Z4 SSD
250X200X130



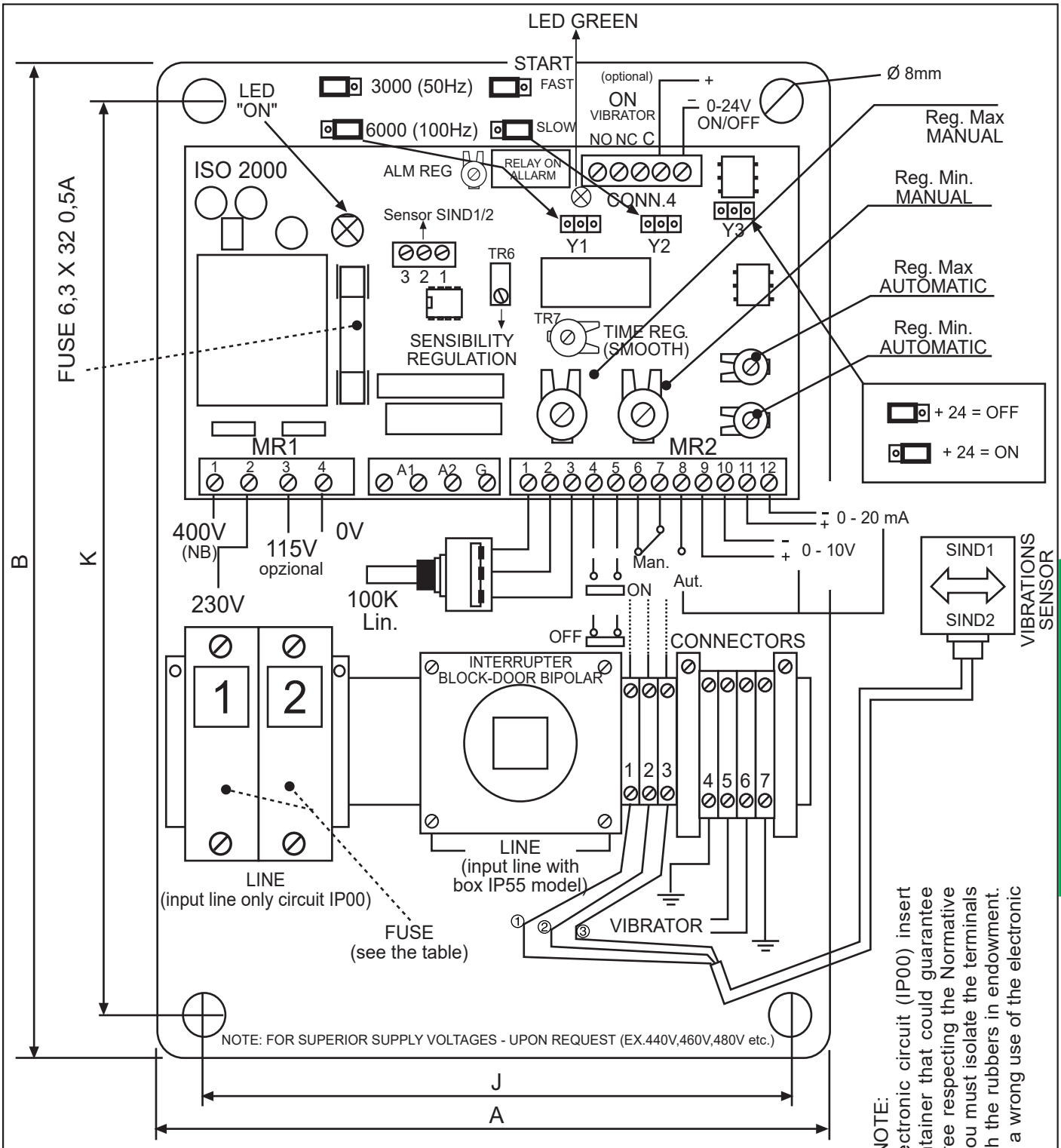
CIRCUIT CV12/FS
PV C12SX Z2 STD
195x130x90



SENSOR SIND2
PV SIND2 ZX STD

Available Versions

Type	Box	Colour	Dimensions	Code	Price €
CV12FS-CV15FS	Circuit		230 x 170 x 100	PV CV12F A4 SSD	
CV12FS-CV15FS	Metallic Box	GREY	250 x 200 x 130	PV CV12F Z4 SSD	
CV12FS-CV15FS	Circuit (until 500V)		230 x 170 x 100	PV CV12F A5 SSD	
CV12FS-CV15FS	Metallic Box (500V)	GREY	250 x 200 x 130	PV CV12F Z5 SSD	
CV12FS-CV15FS	Box doubles exit	GREY	230 x 170 x 100	PV CV12S Z5 S2U	
CV12FS-CV15FS	Box doubles speed	GREY	230 x 170 x 100	PV CV12S Z5 S2V	



INDUSTRIAL

MEASURE (mm) CIRCUITS FROM CV 10 TO CV 100 (IP00)								
Circuit IP00 (*)	DIMENSION			BORING MEASURE		DIM. CONNECTORS	FUSE DIM./AMPERE	
	A	B	h	J	K			
CV 12/F	170	230	100	145	205	4 mmq	10,3 x 38	12 A
CV 25/F	170	320	100	145	295	10 mmq	10,3 x 38	25 A
CV 40/F	243	320	100	219	295	16 mmq	14 x 51	40 A
CV 70/F	280	380	130	255	355	25 mmq	22 x 58	70 A
CV 100/F	ON REQUEST							

NOTE:
If you use only the electronic circuit (IP00) insert it and cable it in a container that could guarantee an excellent safety degree respecting the Normative European in force and you must isolate the terminals of the potenziometer with the rubbers in endowment. Each responsability from a wrong use of the electronic circuit is declined.

SKETCH AND CHARACTERISTICS TECHNIQUES SUBJECT TO MODIFICATIONS WITHOUT WARNING.

MP ELETTRONICA
QUALITY VIBRATION CONTROL

Description: CONTROL CIRCUIT CVXYS HIGH STABILIZED (WITH AMPLITUDE SENSOR)

CODE	REV	DATE	DRAFTSMAN	SHEET
DTCVXYS	01	04/09	E. PEDRAZZI	1/1

Electronic Controller for Electromagnetic Vibrator

CV25FS

25 A | 230V 400V | 0/10V 4/20mA | IP65

General

Stabilized professional controller with amplitude sensor SIND1/SIND2, current till to 20A-25A in metallic or INOX Box, only circuit with external potentiometer.

General Characteristics

Voltage (110V) 230V or 400V, 50/60 Hz • 3000/6000 Vib/Min (**50/100 Hz**) • Automatic input 0/10V-4/20mA • Multiple ON/OFF input • Slow/fast ramp • Reg. vibration min/max Manual/Automatic • Relay alarm ON vibrator.

Applications

Regulation of linear and big circular vibrators till 20A-25A Amps with automatic input (PLC) with stabilized amplitude.

Options

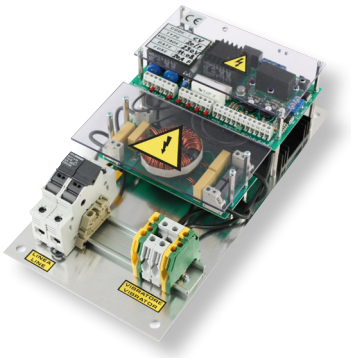
Box IP65 (NEMA 4/4X) INOX Box • Personalized label • Voltage till 500V • Double speed • Double output • Module for 2 or more vibrators • **IP20** • **OUTPUT 25 Hz**.

Technical Specs

Tension of Feeding:	230 V or 400V ± 20% – 50/60 Hz
Consumption :	3,5 W max
Fuses CV20-CV25:	double 20A F 660V 10x38 H 100000A
Load Min:	50 mA (RMS)
Potentiometr of reg.:	100K ohm linear
Frequency of Vibration:	3.000/6.000 V/min (50 Hz) RC-AC
Time of ramp:	0,1 sec. / 2 sec. (modifiable)
Regulation Min.:	80 V ± 30% (230V) 140 V ± 30% (400V)
Regulation max:	200 V - 30% (230V) 380 V - 30% (400V)
Consumption Input Autom. 0/10V:	1mA max
Impedance Input 0-10V/4-20mA:	50 Komh-50 omh
ON/OFF:	fre voltage contact /0-24Vcc
Degree of Protection:	IP55 in box (IP65-NEMA4-4X)
Temperature of Storage:	-25 °C / + 80 °C
Temperature of Operation:	-15°C / +55°C
Guarantee:	1 year (from date on circuit)



METALLIC BOX
PV CV25F Z4 SSD
250x200x130



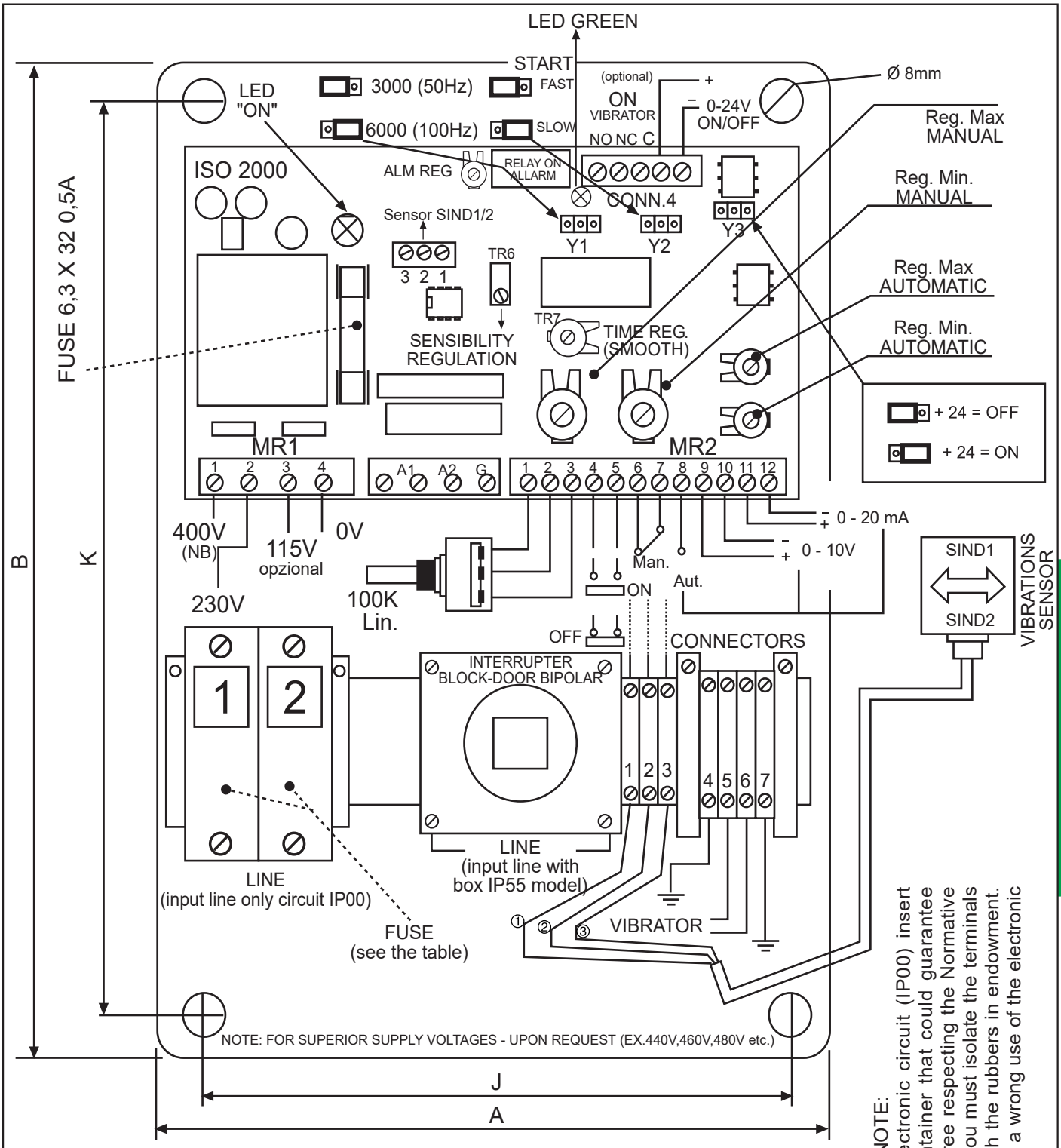
CIRCUIT
PV CV25F A4 SSD



SENSOR SIND2
PV SIND2 ZX STD

Available Versions

Type	Box	Colour	Dimensions	Code	Price €
CV20FS-CV25FS	Circuit		320 x 170 x 100	PV CV20F A4 SSD	
CV20FS-CV25FS	Metallic Box	GREY	300 x 300 x 150	PV CV20F Z4 SSD	
CV20FS-CV25FS	Circuit (until 500V)		320 x 170 x 100	PV CV20F A5 SSD	
CV20FS-CV25FS	Metallic Box (500V)	GREY	300 x 300 x 150	PV CV20F Z5 SSD	
CV20FS-CV25FS	Circuit Doubles exit		320 x 170 x 100	PV CV20F A5 S2U	
CV20FS-CV25FS	Circuit Doubles speed		320 x 170 x 100	PV CV20F A5 S2V	



MEASURE (mm) CIRCUITS FROM CV 10 TO CV 100 (IP00)								
Circuit IP00 (*)	DIMENSION			BORING MEASURE		DIM. CONNECTORS	FUSE DIM./AMPERE	
	A	B	h	J	K			
CV 12/F	170	230	100	145	205	4 mmq	10,3 x 38	12 A
CV 25/F	170	320	100	145	295	10 mmq	10,3 x 38	25 A
CV 40/F	243	320	100	219	295	16 mmq	14 x 51	40 A
CV 70/F	280	380	130	255	355	25 mmq	22 x 58	70 A
CV 100/F	ON REQUEST							

NOTE:
If you use only the electronic circuit (IP00) insert it and cable it in a container that could guarantee an excellent safety degree respecting the Normative European in force and you must isolate the terminals of the potenziometer with the rubbers in endowment. Each responsability from a wrong use of the electronic circuit is declined.

SKETCH AND CHARACTERISTICS TECHNIQUES SUBJECT TO MODIFICATIONS WITHOUT WARNING.

INDUSTRIAL

MP ELETTRONICA
QUALITY VIBRATION CONTROL

Description: CONTROL CIRCUIT CVXYS HIGH STABILIZED (WITH AMPLITUDE SENSOR)

CODE	REV	DATE	DRAFTSMAN	SHEET
DTCVXYS	01	04/09	E. PEDRAZZI	1/1

Electronic Controller for Electromagnetic Vibrator

CV40FS

40 A | 230V 400V | 0/10V 4/20mA | IP65

General

Stabilized professional controller with amplitude sensor SIND1/SIND2, current till to 40A in metallic or INOX Box, only circuit with external potentiometer.

General Characteristics

Voltage (110V) 230V or 400V, 50/60 Hz • 3000/6000 Vib/Min (**50/100 Hz**) • Automatic input 0/10V-4/20mA • Multiple ON/OFF input • Slow/fast ramp • Reg. vibration min/max Manual/Automatic • Relay alarm ON vibrator.

Applications

Regulation of linear and small circular vibrators till 40A Amps with automatic input (PLC) with stabilized amplitude.

Options

Box IP65 (NEMA 4/4X) INOX Box • Personalized label • Voltage till 500V • Double speed • Double output • Module for 2 or more vibrators • **IP20** • **OUTPUT 25 Hz**.

Technical Specs

Tension of Feeding:	230 V or 400V ± 20% – 50/60 Hz
Consumption :	3,5 W max
Fuses CV40:	double 40A F 660V 10x38 H 100000A
Load Min:	50 mA (RMS)
Potentiometr of reg.:	100K ohm linear
Frequency of Vibration:	3.000/6.000 V/min (50 Hz) RC-AC
Time of ramp:	0,1 sec. / 2 sec. (modifiable)
Regulation Min.:	80 V ± 30% (230V) 140 V ± 30% (400V)
Regulation max:	200 V - 30% (230V) 380 V - 30% (400V)
Consumption Input Autom. 0/10V:	1mA max
Impedance Input 0-10V/4-20mA:	50 Komh-50 omh
ON/OFF:	free voltage contact /0-24Vcc
Degree of Protection:	IP55 in box (IP65-NEMA4-4X)
Temperature of Storage:	-25 °C / + 80 °C
Temperature of Operation:	-15°C / +55°C
Guarantee:	1 year (from date on circuit)



METALLIC BOX
PV CV40F Z4 SSD
300 x 400 x 150



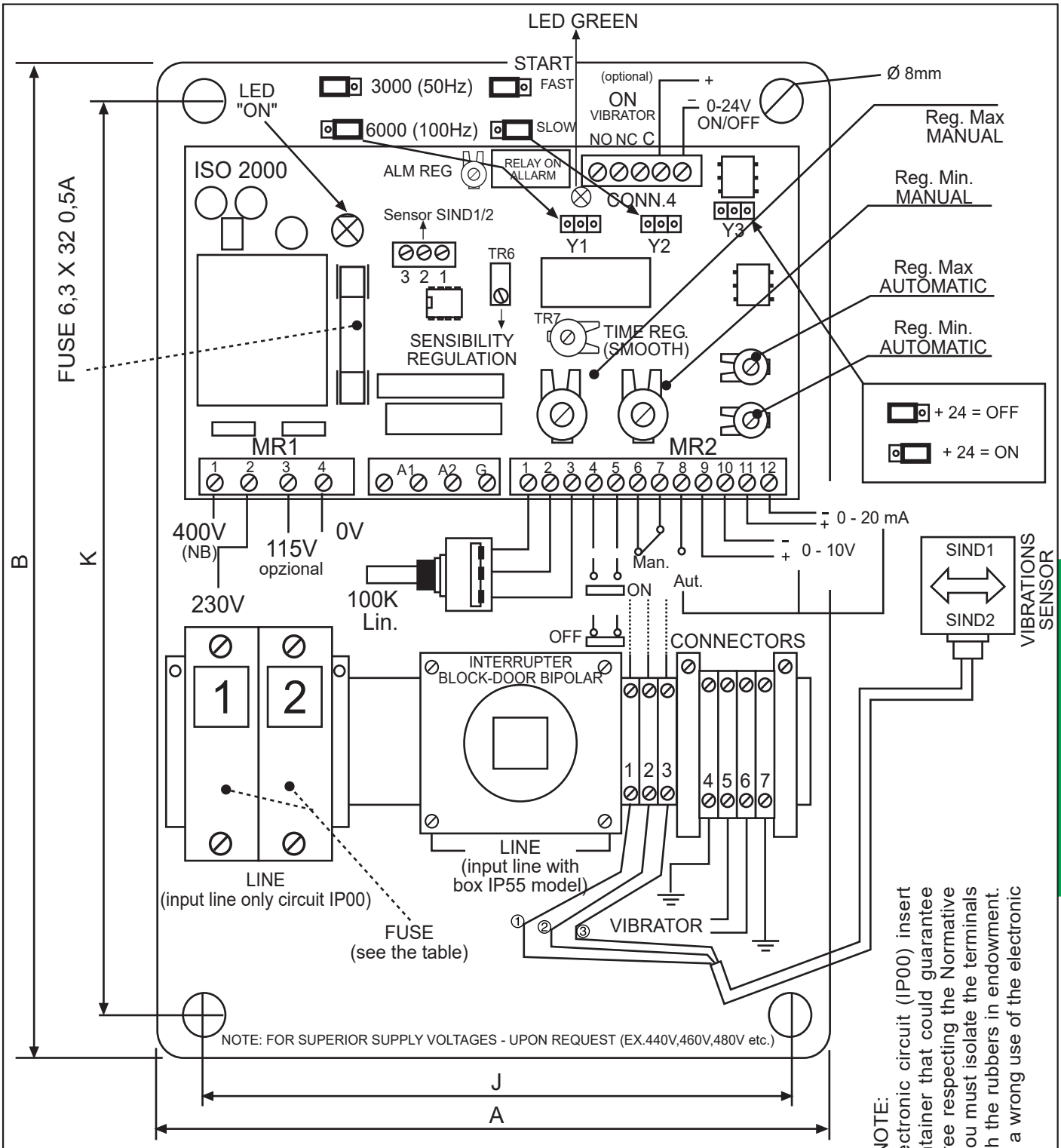
CIRCUIT
PV CV40F A4 SSD



SENSOR SIND2
PV SIND2 ZX STD

Available Versions

Type	Box	Colour	Dimensions	Code	Price €
CV40FS	Circuit		320 x 243 x 100	PV CV40F A4 SSD	
CV40FS	Metallic Box	GREY	300 x 400 x 150	PV CV40F Z4 SSD	
CV40FS	Circuit (until 500V)		320 x 243 x 100	PV CV40F A5 SSD	
CV40FS	Metallic Box (500V)	GREY	300 x 400 x 150	PV CV40F Z5 SSD	
CV40FS	Circuit doubles exit		320 x 243 x 100	PV CV40F A5 S2U	
CV40FS	Circuit doubles speed		320 x 243 x 100	PV CV40F A5 S2V	



MEASURE (mm) CIRCUITS FROM CV 10 TO CV 100 (IP00)								
Circuit IP00 (*)	DIMENSION			BORING MEASURE		DIM. CONNECTORS	FUSE DIM./AMPERE	
	A	B	h	J	K			
CV 12/F	170	230	100	145	205	4 mmq	10,3 x 38	12 A
CV 25/F	170	320	100	145	295	10 mmq	10,3 x 38	25 A
CV 40/F	243	320	100	219	295	16 mmq	14 x 51	40 A
CV 70/F	280	380	130	255	355	25 mmq	22 x 58	70 A
CV 100/F	ON REQUEST							

NOTE:
If you use only the electronic circuit (IP00) insert it and cable it in a container that could guarantee an excellent safety degree respecting the Normative European in force and you must isolate the terminals of the potenziometer with the rubbers in endowment. Each responsability from a wrong use of the electronic circuit is declined.

SKETCH AND CHARACTERISTICS TECHNIQUES SUBJECT TO MODIFICATIONS WITHOUT WARNING.

INDUSTRIAL

MP ELETTRONICA
QUALITY VIBRATION CONTROL

Description: CONTROL CIRCUIT CVXYS HIGH STABILIZED (WITH AMPLITUDE SENSOR)

CODE	REV	DATE	DRAFTSMAN	SHEET
DTCVXYS	01	04/09	E. PEDRAZZI	1/1

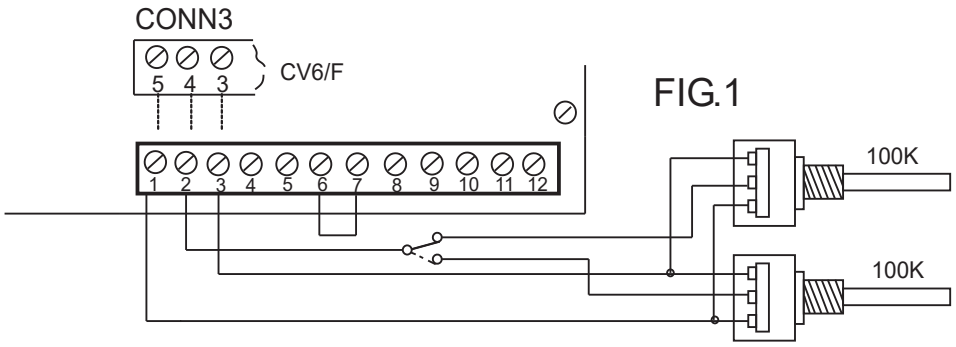


FIG.1

CONNECTION OF PARALLEL TYPE :

EACH POTENTIOMETER COULD COMPLETE THE WHOLE VARIATION OF THE VIBRATION

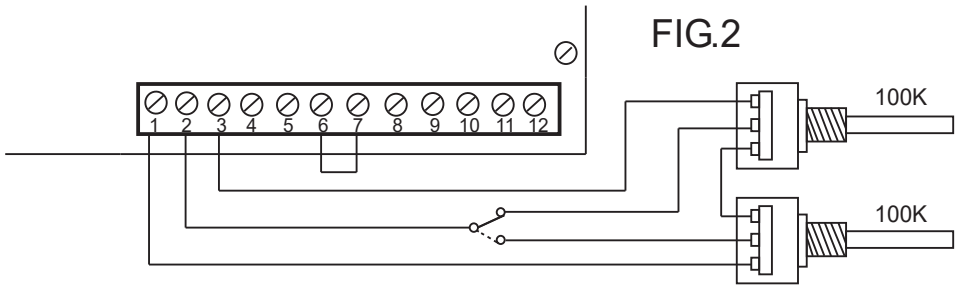


FIG.2

CONNECTION IN SERIES:

EACH POTENTIOMETER COULD COMPLETE ONLY HALF OF THE TOTAL VARIATION.

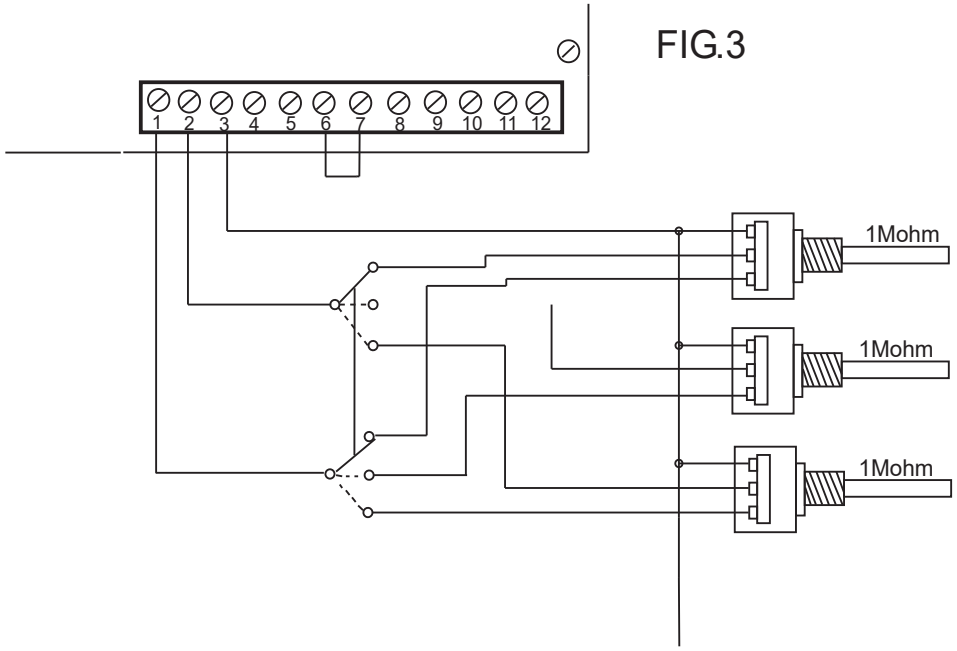


FIG.3

CONNECTION OF THREE OR MORE POTENTIOMETERS.

IN THIS CASE ACTS AN ONLY POTENTIOMETER FOR TIME ON THE TOTAL OF THE VIBRATION.

(IT IS POSSIBLE COMMUTE ONLY THE CENTRAL OF THE POTENTIOMETERS CONNECTING IN PARALLEL THE EXTREME LIKE IN FIG.1, USING, UNTIL TO A MAXIMUM OF 10, POTENTIOMETER FROM 1M W LINEAR. POTENZIOMETRI DA 1M OHM LINEAR).

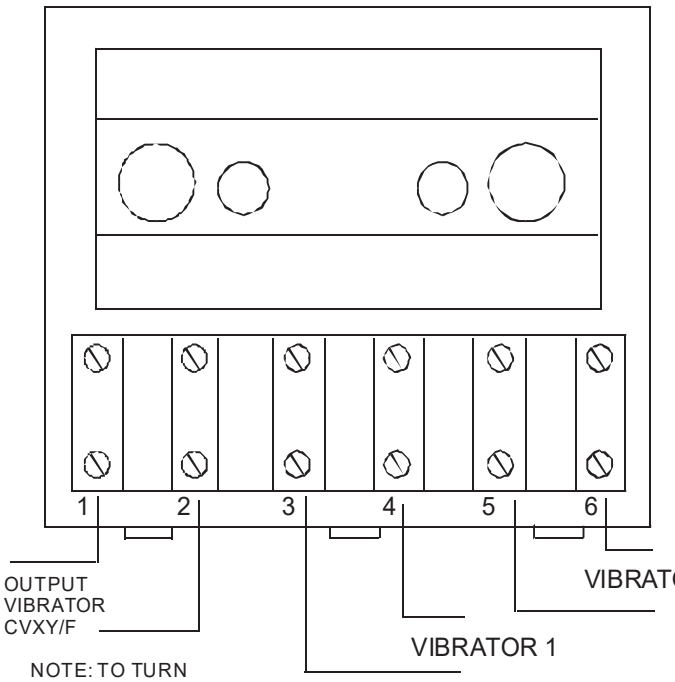
SCHEME OF CONNECTION VALID FOR:
CV12/17, CV25/17, CV40/17, CV70/17, CV100
For the CV6/17 enter with the potentiometer/s on the connector CONN3 - 1/2/3

MP ELETTRONICA
QUALITY VIBRATION CONTROL

Description: CONTROL CIRCUIT WITH MORE POTENTIOMETERS

CODE	REV	DATE	DRAFTSMAN	SHEET
DTCV2V	00	05/98	E. PEDRAZZI	1/1

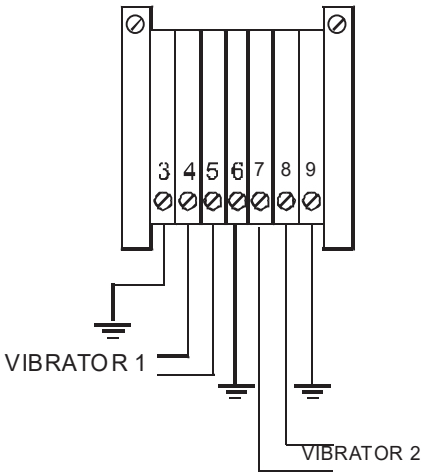
OPTIONAL MODULE FOR 1 VIBRATOR WITH 2 COILS



NOTE: TO TURN THE WIRES IF THE VIBRATOR DO NOT WORK

OPTIONAL OUTPUT FOR DOUBLE VIBRATORS (CIRCUIT CVXY) TO USE WITH 2 VIBRATORS (DOUBLE OUTPUT)

CONNECTORS

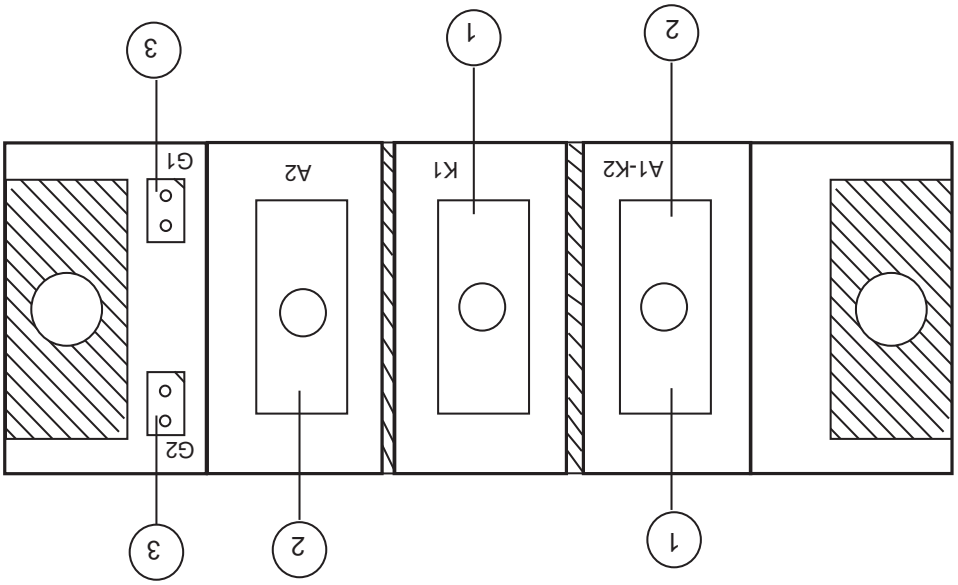


INDUSTRIAL

HOW TO UTILIZE THE SECOND SECTION OF THE POWER MODULE IN THE CASE OF BREAKAGE THE FIRST

In case of breakage to utilize : K1 - A1 - G1

- Move wire 1 from A1-K2 to K1
- Move wire 2 from A2 to A1-K2
- Move wire 3 from G2 to G1



Normal Utilize : K2 - A2 - G2

NOTE : (only CV20, CV40, CV70 and CV100)

MP ELETTRONICA
QUALITY VIBRATION CONTROL

Description: OPTIONAL MODULE FOR 2 VIBROTORS (CIRCUIT CVXY/F) AND SCR POWER MODULE

CODE	REV	DATE	DRAFTSMAN	SHEET
DTSCRMOD	00	12/97	E. PEDRAZZI	1/1

END LIFE

SENSOR MOD . SIND1
BOX LEAGUE ALUMINIUM
STANDARD CABLE 2,5 METERS 4x0.75 MMQ black
UTILIZATION: HEAVY USE

CODE : PV SIND2 ZX STD (25G)
CODE : PV SIND2 ZX 50G (50G)

LINK TO CIRCUIT CVXY/FS SERIES

VIBRATION WAY

STANDARD MODELS: MAX. ACCELERATION 25G, I.E. MAX. AMPLITUDE 5 MM AT 3000 VIB./MIN OR 1,2 MM AT 6000 VIB./MIN ON THE FASTENING POINT OF THE SENSOR. IF EXCEEDING THESE DATA, THERE WILL BE NO PROBLEMS WITH THE FUNCTION OF THE SENSOR, HOWEVER THE OUTPUT SIGNAL SATURATES ITSELF AND COMPENSATION OF VARIATIONS THEREFORE WILL BE IMPERFECT.
IN CASE OF HIGHER VIBRATIONS MOD. 50G: MAX. ACCELERATION 50G, I.E. MAX. AMPLITUDE 10 MM AT 3000 VIB./MIN OR 2.5 MM AT 6000 VIB./MIN ON THE FASTENING POINT OF THE SENSOR. IF EXCEEDING THESE DATA, THE SENSOR MAY BE SUBJECT TO IRREPARABLE ELECTRICAL DAMAGES. THE VIBRATION AMPLITUDE CAN BE MEASURED APPROXIMATELY BY USING APPROPRIATE PLATES HAVING A SPREAD MILLIMETER SCALE.

SENSOR MOD. SIND2
PLASTIC BOX WITH SCREW TO FIX
STANDARD CABLE 2,5 mt - 4X0.75 MMQ black
UTILIZATION : GENERAL INDUSTRIAL USE

CODE : PV SIND2 ZX STD (25G)
CODE : PV SIND2 ZX 50G (50G)

LINK TO CIRCUIT CVXY/FS SERIES

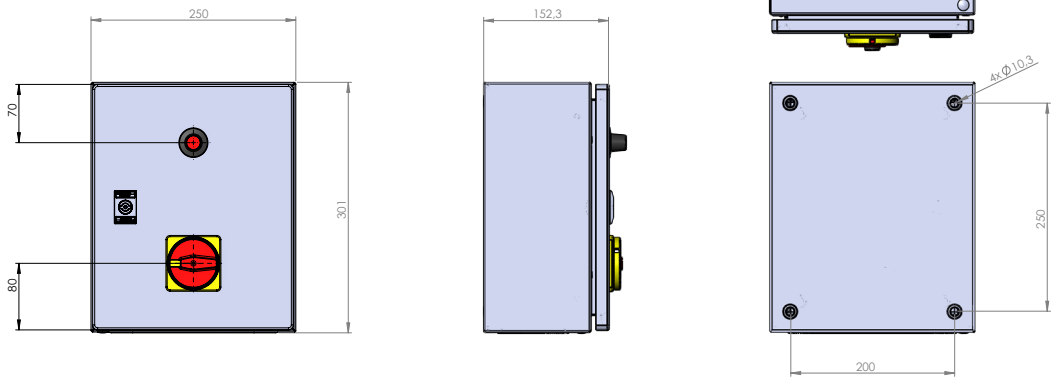
The sensor is put in manner such that the sensitive part is disposed according to the sense of the vibration in such position from hear again totally of the vibration.
In compatible way with the demands constructive of each vibrator are in fact possible other solutions provided that satisfy the conditions in said precedence.

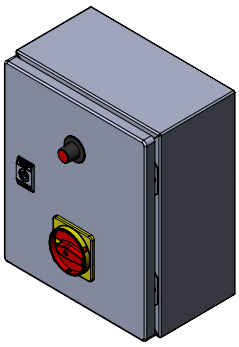
SKETCH AND CHARACTERISTIC TECHNIQUES SUBJECT TO MODIFICATIONS WITHOUT WARNING

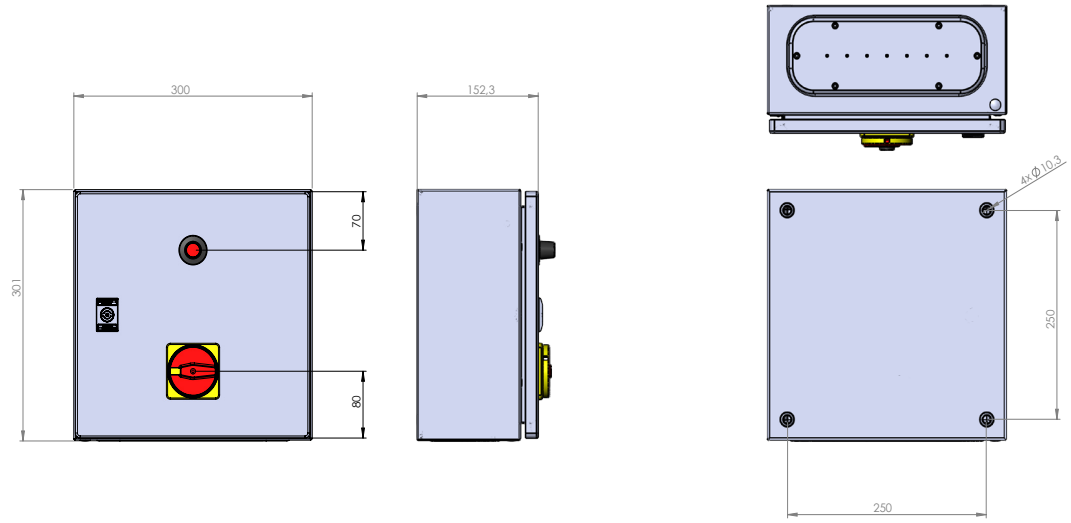
MP ELETTRONICA
QUALITY VIBRATION CONTROL

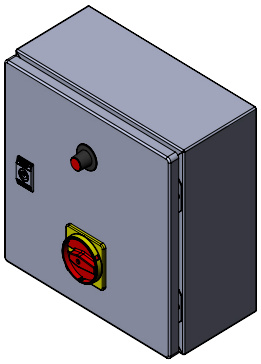
Description: VIBRATION SENSOR SIND1-SIND2

CODE	REV	DATE	DRAFTSMAN	SHEET
DTSINDYSTD	01	04/09	E. PEDRAZZI	1/1









Dimension boxes from CV12 to CV100 (IP65)			
BOX	Dimension		
	A	B	h
CV 12	250	300	150
CV 25	300	300	150
CV 40	300	400	150
CV 70	ON REQUEST		
CV 100			

INDUSTRIALE

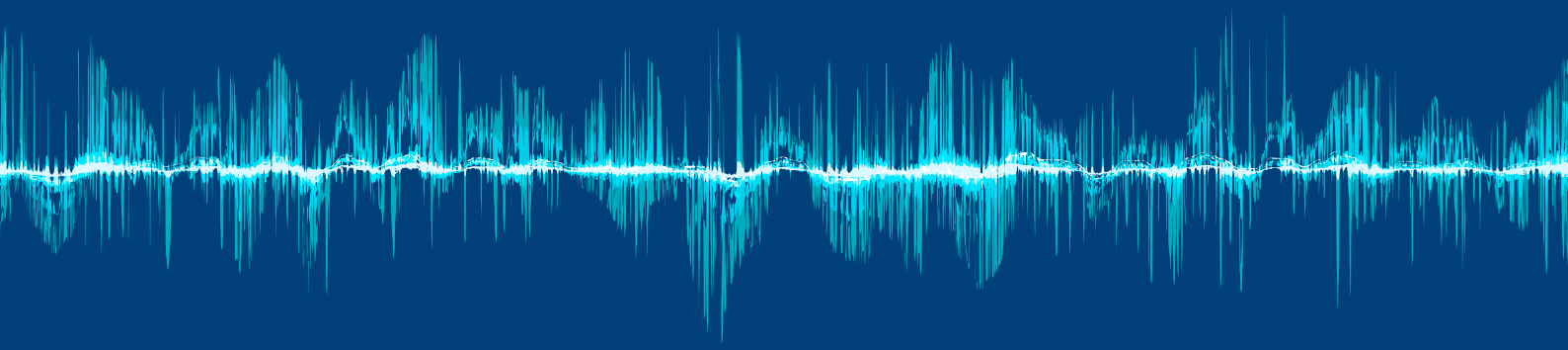
MP ELETTRONICA
QUALITY VIBRATION CONTROL

Description: DIMENSIONS OF THE BOXES OF REGOLATION CVXY/F IP65

CODE	REV	DATE	DRAFTSMAN	SHEET
DTCV55	01	12/08	E. PEDRAZZI	1/1

Rev. 2026-09

www.mpelettronica.com



MP ELETTRONICA
QUALITY VIBRATION CONTROL

20099 Sesto S. Giovanni (MI) - ITALY - via Carducci 221
www.mpelettronica.com
mp@mpelettronica.com