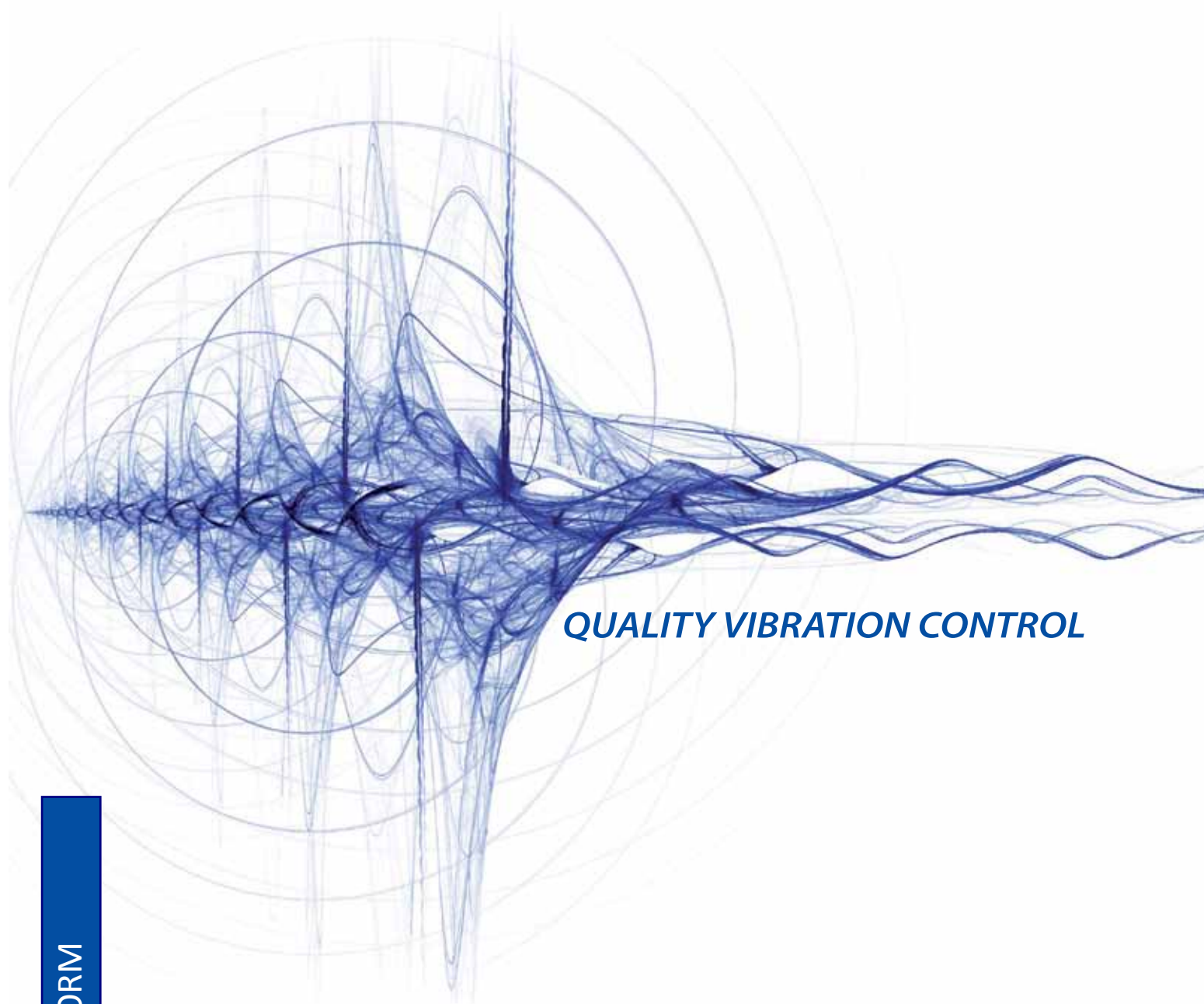


TUXEL[®] -VIB



QUALITY VIBRATION CONTROL

SHORT FORM

CONTROLLERS FOR INDUSTRIAL ELECTROMAGNETIC VIBRATORS

SELECTIONING

POSITIONING

FEEDING

MANUFACTURING



With the controllers Tuxel-vib by MP



RELIABILITY

CREATIVITY

FLEXIBILITY

INNOVATION

TRADITION

Controllers for Electromagnetic
Vibrators

since 1985

“ALWAYS ONE STEP AHEAD”

▶ R3FC



3/4A

**115V
230V**

IP 65

Electronic Stabilized Circuit

Voltage : 115V/230V • 50/60Hz • current max 3/4A rms

Features : ON/OFF • 3000/6000 V/min • min/max • ramp

Applications : linear feeders • small bowl feeders up to 4A

Options : IP65 (NEMA4/4X) • box aluminum • sensor NPN/PNP

Dimensions : 100 x 100 x 50 mm



▶ RM3



3/4A

**115V
230V**

IP 65

Electronic Stabilized Circuit

Voltage : 115V/230V • 50/60Hz • current max 3/4A rms

Features : ON/OFF • 3000/6000 V/min • min/max • ramp

Applications : linear feeders • small bowl feeders up to 4A

Options : custom label

Dimensions : 100 x 100 x 50 mm



▶ R3FSC



4/5A

**115V
230V**

IP 65

Electronic Stabilized Circuit

Voltage : 115V/230V • 50/60Hz • current max 4/5A rms

Features : 2 ON/OFF • 3000/6000 V/min • Overload • min/max • ramp

Applications : linear feeders • bowl feeders up to 5A

Options : NEMA 4/4X • vertical assembly DIN35

Dimensions : 115 x 140 x 60mm



▶ R5FC



6/8A

**115V
230V**

IP 65

Electronic Stabilized Circuit

Voltage : 115V/230V • 50/60Hz • current max 6/8A rms

Features : 2 ON/OFF • 3000/6000 V/min • Overload • min/max • ramp

Applications : linear feeders • bowl feeders up to 6/8A

Options : IP65(NEMA 4/4X) • box alum. • DIN35 • sensor NPN/PNP

Dimensions : 130 x 165 x 70mm



▶ VBS06



6A

230V

IP 65

Electronic Stabilized Circuit

Voltage : 115V/230V • 50/60Hz • current max 6A rms

Features : 2 ON/OFF • 3000/6000 V/min • min/max • ramp

Applications : linear feeders • bowl feeders up to 6A

Options : NEMA4/4X • plastic box • custom label DIN35

Dimensions : 140 x 165 x 65mm



SMART SERIES

▶ RS96C

6A

115V
230V

IP 65

Electronic Stabilized Circuit



Voltage : 115V/230V • 50/60Hz • current max 6A RMS
Features : 3 ON/OFF • 3000/6000 V/min • Overload • min/max • ramp
Applications : vibrators linear • medium and large bowl feeders
Options : DIN35 • custom label
Dimensions : 115 x 140 x 60mm



▶ RS96

6A

115V
230V

0/10V
0/20mA

IP 65

Electronic Stabilized Circuit



Voltage : 115V or 230V • 50/60Hz • current max 6A RMS
Features : 3 ON/OFF • 3000/6000 V/min • input PLC 0/10V
0/20mA • ramp • min/max (man/aut)
Applications : vibrators linear • medium and large bowl feeders
Options : vertical assembly DIN35 • custom label
Dimensions : 115 x 140 x 60mm



▶ CV99

6/8A

115V
230V

0/10V
0/20mA

IP 65

Electronic Stabilized Circuit



Voltage : 115V or 230V • 50/60Hz • current max 6/8A RMS
Features : 3 ON/OFF • 3000/6000 V/min • input PLC 0/10V
0/20mA • ramp • min/max (man/aut)
Applications : vibrators linear • medium and large bowl feeders
Options : customized label • DIN35
Dimensions : 100 x 200 x 80mm



▶ RV6•RV6S

6/8A

115V
230V

0/10V
0/20mA

IP 65

Electronic Stabilized Circuit



Voltage : 115V or 230V or 400V • 50/60Hz • current max 6/8A RMS
Features : 3 ON/OFF • 3000/6000 V/min • input PLC 0/10V
Applications : vibrators linear • medium and large bowl feeders
Options : customized label • circuit PRX97 to NPN/NPNsensor
Dimensions : 130 x 130 x 90mm



MDL SERIES

▶ MDL

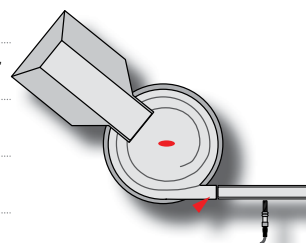
Amp.
6/8/6

115V
230V

Controller for Electromagnetic Vibrators



Voltage : 115V/230V • 50/60Hz • current max 6/8/6A RMS
Features : for linear, bowl feeders, hopper or elevator
Applications : automatic drive for electromagnetic vibrators
Options : NPN/PNP • circuit PRX92 or PRX99
Dimensions : 390x200x100 • 260x200x100 • 300x200x100



SMART ISO SERIES

▶ R3FC-ISO

3/4A

115V
230V

IP 65

Electronic Stabilized Circuit



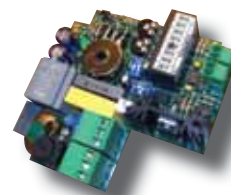
Voltage : 115V or 230V • 50/60Hz • current max 3/4A RMS

Features : 4 ON/OFF • 3000/6000 V/min • min/max • ramp

Applications : vibrators linear • medium and bowl feeders

Options : DIN35 • custom label

Dimensions : 100 x 100 x 50mm



▶ R3FSC-ISO

4/5A

115V
230V

IP 65

Electronic Stabilized Circuit



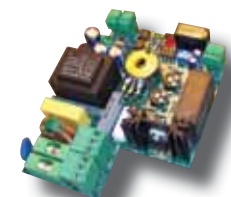
Voltage : 115V or 230V • 50/60Hz • current max 4/5A RMS

Features : 4 ON/OFF • 3000/6000 V/min • NPN/PNP ramp

Applications : vibrators linear • medium and bowl feeders

Options : IP65 • plastic box • vertical assembly DIN35

Dimensions : 100 x 140 x 60mm



▶ R5FC-ISO

6/8A

115V
230V
400V

IP 65

Electronic Stabilized Circuit



Voltage : 115V or 230V or 400V • 50/60Hz • current max 6/8A RMS

Features : 4 ON/OFF • 3000/6000 V/min
ramp • min/max • 2 speed

Applications : vibrators linear • medium and bowl feeders

Options : custom label • DIN35 • aluminium

Dimensions : 130 x 165 x 60mm



PRX SERIES

▶ PRX92

115V
230V

NPN
PNP

ON
OFF

Electronic circuit for Sensor
NPN/PNP with retard ON/OFF



Voltage : 115V or 230V • 50/60Hz

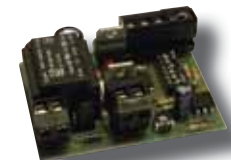
Features : management sensor NPN/PNP • 2 delays ON/OFF

Applications : air jet • timer alarm flow

Options : delay "Full" feeding

Dimensions : coupled with R5FC • R3FC • CV6F

▶ PRX13



▶ PRX99

BLOW
AIR

FLOW
PIECES

Alarm

Electronic circuit for Sensor
NPN/PNP with retard ON/OFF



Voltage : 115V or 230V • 50/60Hz

Features : management sensor NPN/PNP • 2 delays ON/OFF
air jet • timer alarm flow

Applications : delay "Full" feeding

Options : coupled with R5FC • R3FC • CV6F

Dimensions : 95 x 165 x 35mm



INDUSTRIAL SERIES

► CV6F/CV8F

6/8A

230V
400V

0/10V
0/20mA

Electronic Stabilized Circuit



Voltage : 115V or 230V or 400V • 50/60Hz • current max 6/8A RMS

Features : 3 ON/OFF • 3000/6000 V/min • input PLC 0/10V
0/20mA • ramp • min/max (man/aut)

Applications : • medium and large linear vibrators

Options : IP65(NEMA 4/4X) plastic box • vertical assembly DIN35

Dimensions : 165 x 130 x 70 mm • 195 x 130 x 90 mm



► CV 12/25

12/25A

230V
400V

0/10V
0/20mA

Electronic Stabilized Circuit



Voltage : 115V or 230V or 400V up to 600V 50/60Hz

current max 12/25 RMS - 25/33/50/100 HZ

Features : see circuit CV6F/CV8F

Applications : large industrial vibrators up to 25A

Options : IP65 • double speed/output • 25/33 Hz

Dimensions : 250 x 200 x 130 mm • 265 x 130 x 90 mm



► CV6FS/CV8FS

6/8A

230V
400V

0/10V
0/20mA

Electronic Stabilized Circuit with Sensor



Voltage : 115V or 230V or 400V 50/60Hz • current max 6/8A RMS

Features : see circuit CV6F/CV8F

Applications : amplitude control with sensor SIND1/SIND2

Options : IP65 • metal box • vertical assembly DIN35

Dimensions : 195 x 130 x 90 mm • 240 x 130 x 110 mm



► CVS 12/25

12/25A

230V
400V

0/10V
0/20mA

Electronic Stabilized Circuit with Sensor



Voltage : 115V or 230V or 400V up to 600V 50/60Hz.

corrente max 12/25 RMS - 25/33/50/100 HZ

Features : see circuit CV6F/CV8F

Applications : amplitude control with sensor SIND1/SIND2

Options : IP65 • double speed/output • 25/33 Hz

Dimensions : 250 x 200 x 130 mm • 265 x 130 x 90 mm



► CV(S) 40/70

40/70A

230V
400V

0/10V
0/20mA

Electronic Stabilized Circuit with Sensor



Voltage : 115V or 230V or 400V up to 600V 50/60Hz

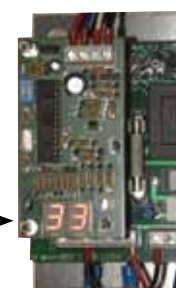
current max 40/70 RMS • 25/33/50/100 HZ

Features : see circuit CV6F/CV8F

Applications : amplitude control with sensor SIND1/SIND2

Options : IP65 • double speed/output • 25/33 Hz

Dimensions : 350 x 270 x 140 mm



DIGITAL SERIES

► FQ1N-DIG

Amp. 10/12/15	115V 230V	0/10V 0/20mA	Hz 5/140
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Electronic Digital Circuit
Amplitude/Frequency



Voltage : 115V or 230V or 400V • 50/60Hz • current max 10/12/15A RMS

Features : 4 ON/OFF • 2 sensor PNP • air jet • 0/10V • alarm

Applications : reg.dig.Amplitude/Frequency vibrators up to 10/12/15A

Options : 5/200 Hz • 5/300 Hz • sensor SIND3 • custom label

Dimensions : 100 x 180 x 190mm



► FQ2N-DIG

5/6A	115V 230V	0/10V 0/20mA	Hz 5/140
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Electronic Digital Circuit
Amplitude/Frequency



Voltage : 115V or 230V • 50/60Hz • current max 5/6A RMS

Features : 4 ON/OFF • 2 sensor PNP • blow air • 0/10V

Applications : reg.dig.Amplitude/Frequency vibrators up to 5/6A

Options : 5/200 Hz • 5/300 Hz • sensor SIND3 • custom label

Dimensions : 100 x 210 x 70mm



► RF4 PWM

4/5A	115V 230V	0/10V 0/20mA	Hz 30/130
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Electronic Digital Circuit
Amplitude/Frequency



Voltage : 115V or 230V • 50/60Hz • current max 4/5A RMS

Features : 4 ON/OFF • 2 sensor PNP • air jet • 0/10V

Applications : reg.dig.Amplitude/Frequency vibrators up to 4/5A

Options : Custom label • display • DIN35

Dimensions : 130 x 130 x 90 mm



► FQ1 PWM

6A	115V 230V	0/10V 0/20mA	Hz 30/180
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Electronic Digital Circuit
Amplitude/Frequency



Voltage : 115V or 230V • 50/60Hz • current max 6A RMS

Features : 4 ON/OFF • 2 sensor PNP • blow air • 0/10V

Applications : reg.dig.Amplitude/Frequency vibrators up to 6A

Options : Custom label • display • DIN35

Dimensions : 195 x 130 x 90 mm



► FQ1 LCD

10/12A 15A	115V 230V	0/10V 0/20mA	Hz 5/200
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Electronic Digital Circuit
Amplitude/Frequency



Voltage : 115V or 230V • 50/60Hz • current max 10/12/15A RMS

Features : Amplitude/Frequency control 5-200Hz

Applications : reg.dig.Amplitude/Frequency vibrators up to 15A

Options : amplitude sensor SIND3

Dimensions : 200 x 240 x 120 mm



MCP SERIES

► MCP01

Amp.
8/10

115V
230V

Functional Group for Electromagnetic Vibrators



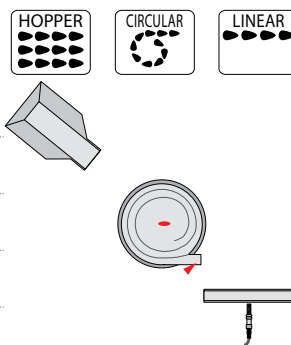
Voltage : 115/230V • 50/60Hz • current max 8/10A RMS

Features : vibrator supplies linear, bowl feeders, or hopper

Applications : digital settings with 2 sensor PNP • timer • air jet • alarm

Options : label and software customization • 12 Amp

Dimensions : 100x180x190



► MCP02

Amp.
8/10

115V
230V

Functional Group for Electromagnetic Vibrators



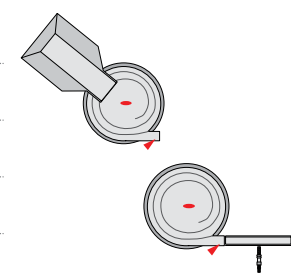
Voltage : 115 or 230V 50/60Hz • current max 8/10A RMS

Features : supply linear/bowl feeders • bowl feeders/hopper

Applications : digital system to drive two vibrators

Options : label and software customization • 12 Amp

Dimensions : 100x180x190



► MCP12

Amp.
5/10/5

115V
230V

Functional Group for Electromagnetic Vibrators



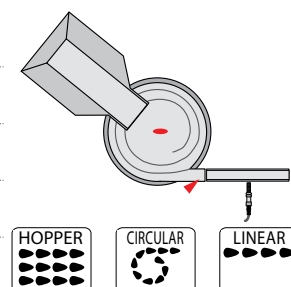
Voltage : 115 or 230V 50/60Hz • current max 5/10/5A RMS

Features : vibrator supplies linear/ bowl feeders/hopper

Applications : digital system to drive two vibrators

Options : label and software customization • 12 Amp

Dimensions : 130x180x190



MTR SERIES

► MTR01

NPN
PNP

230V
400V

IP65

Electronic Controller for Electromagnetic Vibrators



Voltage : 3x230V • 3x400V • 50/60Hz

Features : drive elevator/ conveyor • sensor NPN/PNP

Applications : 3 Phase Motor-Driven Feeder with NPN/PNP sensor On/Off delay and Alarm delay

Options : customized labels • assembly Din35

Dimensions : 195 x 130 x 90mm • 100 x 180 x 190mm



► MTR01DIG

PNP

230V
400V

IP55

Electronic Controller for Electromagnetic Vibrators



Voltage : 3x230V • 3x400V • 50/60Hz

Features : drive elevator/ conveyor • PNP hopper sensor

Applications : 3 Phase Motor-Driven Feeder with NPN/PNP sensor On/Off delay and Alarm delay

Options : customized labels • assembly Din35 • inverter

Dimensions : 100 x 180 x 190mm • 195 x 130 x 90mm



INSTRUMENTS

▶ ALIM01

230V
400V

SIND1

SIND2

AMP-VIB

Amp
3/5/6/8/10

230V
400V

IP 55



Voltage : 230V/400V • 50/60Hz

Features ALIM01 : amplitude monitoring electromagnetic and mechanical vibrators

Features AMP-VIB : max current tester

Applications : control min/max vibration amplitude
max current measure (AMP-VIB)

Options : IP65 (NEMA 4/4X) • amplitude meter (ALIM01)

Dimensions : 140 x 165 x 65mm • 165 x 130 x 70mm



General Electrical Characteristics

Reg Min Man/ Aut.	80V +/- 30% (230V)	Storage Temperature:	•15 °C / + 80 °C
Reg Max Man/Aut.:	200V • 30% (230V)	Temperature Operating :	•5 °C / + 45 °C
Time on/off/Allarm:	0/15 sec	Range of Relative Humidity:	80% up to 31°C
Ramp Time :	0,2/2sec	Installation Class:	II
Degree of Pollution:	2	Altitude:	Up to 2000 meters
Assemblage Position:	Horizontal or Vertical	European Norms:	EMC CE
Degree of Protection:	IP65 in box (IP20 only circuit)	Guarantee :	1 year (from date on circuit)



Inox

ANALOGICAL SERIES



Sensor SIND1



Sensor SIND2

DIGITAL SERIES



Sensor SIND3

QUALITY SYSTEM

