

SMART  
INDUSTRIAL  
DIGITAL  
MCP

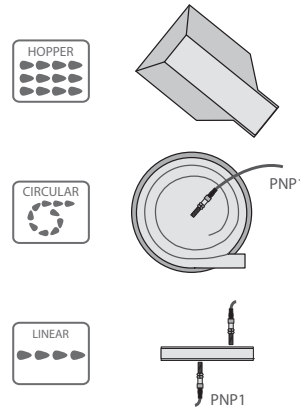


## MCP 01

Electronic Controller for  
Electromagnetic Vibrator



### 1 OUTPUT



This Module MCP01 can be used for the automatic driving of a system made up by a vibratory hopper, cylindrical vibratory feeder, linear vibratory feeder or conveyor belt with 1 PNP sensor, output blow air, alarm time out.

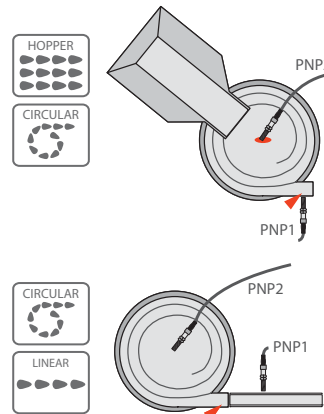


## MCP 02

Electronic Controller for  
Electromagnetic Vibrator



### 2 OUTPUT



This Module MCP02 can be used for the automatic driving of a system made up by a vibratory hopper, cylindrical vibratory feeder, linear vibratory feeder or conveyor belt with 2 PNP sensor, output blow air, alarm time out.

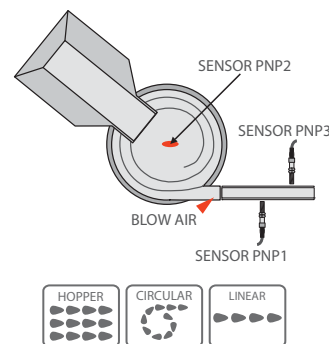


## MCP 12

Electronic Controller for  
Electromagnetic Vibrator



### 3 OUTPUT



This Module can be used for the automatic driving of a system made up by a vibratory hopper, cylindrical vibratory feeder, linear vibratory feeder or conveyor belt with 2 PNP sensor, output blow air, alarm time out.

## MCP 01

### GENERAL CHARACTERISTICS

- Voltage (110V) 230V, 50/60 Hz
- Input ON/OFF
- Soft/Fast ramp (0 ÷ 10 sec.)
- Digital Regulation amplitude min/max
- Digital menu
- Line input with schuko plug
- Vibrator output with connector
- Delay EV air blow (0 ÷ 2 sec.)
- Alarm absence pieces (0 ÷ 180 sec.)
- Lamp alarm (24Vcc).

### APPLICATION

Control circuit for vibratory Hopper, Blow feeder or Bowl feeder, Linear vibratory feeder with level sensor NPN/PNP in the Cylindrical vibratory feeder and overflow sensor NPN/PNP on the Linear vibratory feeder (both timed).

### OPTIONS

Personalized label • Connector for vibrator • SW custom.

### ELECTRICAL CHARACTERISTICS

Supply Voltage:	230V +/- 5% 50/60Hz
Current Max:	6A - 8A - 10A (RMS)
Fuses:	6,3A F 250V 5x20 H 1500 A (EN 627-2 CEI)
Min. Load:	50 mA (RMS)
Frequency of Vibration:	3000/6000 V/min. (50Hz)
Time of Ramp:	0,2 sec. or 2 sec. (modifiable)
Regulation Min.:	80V +/- 30%
Regulation Max:	200V - 30%
Delay T1/T2:	0-10 sec.
Alarm Time:	0-15 sec.
Sensor Input:	optoisolated NPN/PNP
Degree of pollution:	2
Position of Assemblage:	horizontal or vertical
Degree of Protection:	IP54 in box (only circuit IP00)
Temperature of Storage:	-15 °C / + 80 °C
Temperature of Operation:	-5 °C / + 45 °C
Range of Relative humidity:	80% till to 31°C
Installation Class:	II
Altitude:	till to 2000 meters
European Norms:	EMC CE
Guarantee:	1 year (from date on circuit)

### AVAILABLE VERSIONS

Code	Box	Dimension
PV MCP01 Z2 STD	Metallic	100 x 180 x 190

## MCP 02

### GENERAL CHARACTERISTICS

- Voltage (110V) 230V, 50/60 Hz
- Input ON/OFF
- Soft/Fast ramp (0 ÷ 10 sec.)
- Digital Regulation amplitude min/max
- Digital menu
- Line input with schuko plug
- Vibrator output with connector
- Delay EV air blow (0 ÷ 2 sec.)
- Alarm absence pieces (0 ÷ 180 sec.)
- Lamp alarm (24Vcc).

### APPLICATION

Control circuit for vibratory Hopper, Blow feeder or Bowl feeder, Linear vibratory feeder with level sensor NPN/PNP in the Cylindrical vibratory feeder and overflow sensor NPN/PNP on the Linear vibratory feeder (both timed).

### OPTIONS

Personalized label • Connector for vibrator • SW custom.

### ELECTRICAL CHARACTERISTICS

Supply Voltage:	230V +/- 5% 50/60Hz
Current Max:	6A - 8A - 10A (RMS)
Fuses:	6,3A F 250V 5x20 H 1500 A (EN 627-2 CEI)
Min. Load:	50 mA (RMS)
Frequency of Vibration:	3000/6000 V/min. (50Hz)
Time of Ramp:	0,2 sec. or 2 sec. (modifiable)
Regulation Min.:	80V +/- 30%
Regulation Max:	200V - 30%
Delay T1/T2:	0-10 sec.
Alarm Time:	0-15 sec.
Sensor Input:	optoisolated NPN/PNP
Degree of pollution:	2
Position of Assemblage:	horizontal or vertical
Degree of Protection:	IP54 in box (only circuit IP00)
Temperature of Storage:	-15 °C / + 80 °C
Temperature of Operation:	-5 °C / + 45 °C
Range of Relative humidity:	80% till to 31°C
Installation Class:	II
Altitude:	till to 2000 meters
European Norms:	EMC CE
Guarantee:	1 year (from date on circuit)

### AVAILABLE VERSIONS

Code	Box	Dimension
PV MCP02 Z2 STD	Metallic	100 x 180 x 190

## MCP 12

### GENERAL CHARACTERISTICS

- Voltage (110V) 230V, 50/60 Hz
- Input ON/OFF
- Soft/Fast ramp (0 ÷ 5 sec.)
- Digital Regulation amplitude min/max
- Digital menu
- Line input with schuko plug
- Vibrator output with connector
- Delay EV air blow (0 ÷ 2 sec.)
- Alarm absence pieces (0 ÷ 180 sec.)
- Lamp alarm (24Vcc).

### APPLICATION

Control circuit for vibratory Hopper, cylindrical vibratory feeder, Linear vibratory feeder with level sensor NPN/PNP in the Cylindrical vibratory feeder and overflow sensor NPN/PNP on the Linear vibratory feeder (both timed).

### OPTIONS

Personalized label • Connector for vibrator • SW custom.

### ELECTRICAL CHARACTERISTICS

Supply Voltage:	230V +/- 5% 50/60Hz
Current Max:	6A - 8A - 6A (RMS)
Fuses:	6,3A F 250V 5x20 H 1500 A (EN 627-2 CEI)
Min. Load:	50 mA (RMS)
Frequency of Vibration:	3000/6000 V/min. (50Hz)
Time of Ramp:	0,2 sec. or 2 sec. (modifiable)
Regulation Min.:	80V +/- 30%
Regulation Max:	200V - 30%
Delay T1/T2:	0-10 sec.
Alarm Time:	0-15 sec.
Sensor Input:	optoisolated NPN/PNP
Degree of pollution:	2
Position of Assemblage:	horizontal or vertical
Degree of Protection:	IP54 in box (only circuit IP00)
Temperature of Storage:	-15 °C / + 80 °C
Temperature of Operation:	-5 °C / + 45 °C
Range of Relative humidity:	80% till to 31°C
Installation Class:	II
Altitude:	till to 2000 meters
European Norms:	EMC CE
Guarantee:	1 year (from date on circuit)

### AVAILABLE VERSIONS

Code	Box	Dimension
PV MCP12 Z2 S03	Metallic	130 x 180 x 190