MCP 01
Electronic Controller for Electromagnetic Vibrator

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

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

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
- Vibration 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)
- Regolation Min.: 80V +/- 30%
- Regolation 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: PV MCP01 Z2 STD
- Box: Metallic
- Dimension: 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
- Vibration 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)
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- 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: PV MCP02 Z2 STD
- Box: Metallic
- Dimension: 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
- Vibration 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)
- Regolation Min.: 80V +/- 30%
- Regolation 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: PV MCP12 Z2 S03
- Box: Metallic
- Dimension: 130 x 180 x 190

**MADE IN ITALY**