Module for Automatic Loading Systems (Linear - Circular - Vibrating Hopper)

MCP01/LT

Amp. 6/8/10 | 115V 230V | SIND3

NEW



METALLIC BOX MCP01
PV MCP01 Z2 STD
100x250x105

General

The **MCP01** module allows the automatic operation of a feeding system composed of: Vibrating Hopper, Circular Vibrator, Linear Vibrator, with two PNP sensors, air blow output, piece flow absence alarm with all parameters selectable from the keyboard.

General Characteristics

The **MCP01** module allows you to adjust the vibration amplitude for up to 2 vibrating systems • Select 3000/6000 V/m • Ramp time • ON/OFF delay of the vibrator with PNP sensor • Air blow • Piece flow absence time with alarm . The total maximum currents are 10A total 3A for Linear Vibrator 6A for Circular Vibrator 3A for Vibrating Hopper.

Applications

Control of Vibrating Hopper, Circular Vibrator, or Linear Vibrator, Circular Vibrator, with PNP level sensor in Circular or Linear and PNP overflow sensor on the linear (both timed), air blow for piece flow absence with alarm.



SENSOR SIND3
PV SIND3 A2 STD

Options

Customized front panel • Connector for vibrators • Customized software.

Technical Specs

Power Supply Voltage:	(115V) 230V ± 5% 50/60Hz
Consumption:	1,5W max
Max Current:	3A - 6A - 3A (RMS)
Minimum Load:	50 mA (RMS)
Vibration Frequency:	3000/6000 vib/min. (50Hz)
Ramp Time:	0/10 sec.
Min./Max. Adjustment:	0/210V
On/Off:	0-30 sec.
Blow Delay:	0/10 sec.
Piece Flow Absence Time:	30/180 sec.
Sensor Inputs:	Optoisolators
Sensors:	PNP 24V- NO/NC
Operating Temperature:	0/50° C
Relative Humidity Range:	80% up to 31°C
Altitude:	up to 2000 meters
Protection Degree:	IP55
European Standards:	EMC CE
Warranty:	12 months (from the date on the circuit).

Available Versions

Type	Box	Colour	Dimensions	Code	Price
MCP01/LT	Metallic	GRAY	100 x 250 x 105	PV MCP01 Z2 STD	

MCP01/LT

GENERAL

This module **MCP01/LT** can be used for the automatic driving of a system made up of: 1 vibrating system, with 1 **PNP** sensors, air blow output, absence pieces alarm, production counter, password, user menu with all parameters selectable from the keyboard.

MCP01/LT allows you to adjust the vibration amplitude of 1 Vibrating system • 3000/6000 Vpm • Ramp time • delay ON/OFF with PNP sensor • Air jet • Alarm absence pieces. High/Low speed function.

The total maximum current is **8A**.

- ☑ 1 PNP sensor inputs for the flow control of the material
- ☑ 2 24v outputs for air-jet, counter, Time Out channel
- ☑ 1 output status+ 24V (Power ON-enable ON), channel status CH1.
- ☑ 1 enable input 24V or with free-voltage contact.
- ☑ 1 power outputs 0/210V for adjusting the vibrator.



PARTICULAR INSTRUCTION

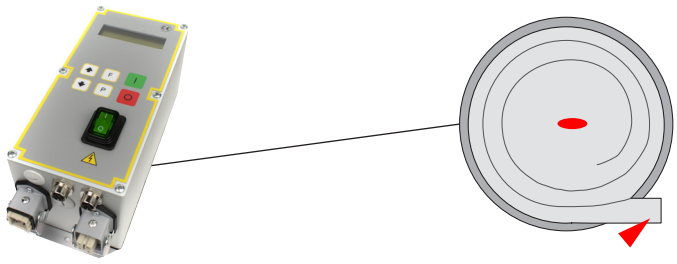
MCP01/LT Contoller has the output of 1 channel for the control and management of systems usually made up of 1 vibrator.

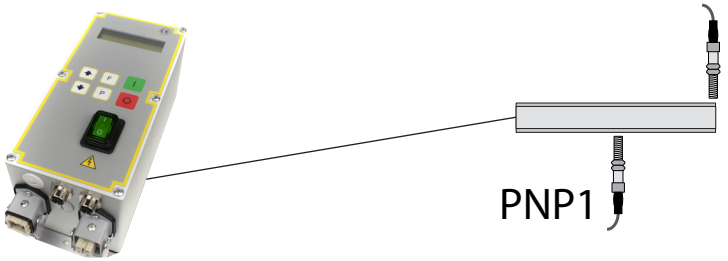
Up to 1 sensors can be used :

-FC1

FC1 is usually the sensor placed on the linear, to stop the (CH1) in case of overflow.







FUNCTIONS

Linear or Circular (CH1)

Feeder Speed
Invert Enable
Start Ramp
Stop Ramp
Vibration Limit max/min
Vibrating Frequency
50/100 Hz(60/120Hz)

Sensor PNP 1 Linear
Invert sensor 1
Delay ON
Delay OFF
Time out (absence pieces)

Output EV
Output 1: Air-Jet ON
Delay OFF Air-Jet

Speed Setting:
0/10V
0/20 mA
Key Board