Module for automatic loading systems (linear - circular - vibrating hopper)

MCP02

Amp. 6/8/10

115V 230V

option Modbus

General

The MCP02 module allows automatic operation of a feeding system composed of: vibrating hopper, circular vibrator, linear vibrator, with two PNP sensors, air-blow output, and part-flow alarm, with all parameters selectable via the keypad.

General Characteristics

The MCP02 module allows adjustment of the vibration amplitude for up to 2 vibrating systems – selection of 3000/6000 V/m – ramp time – ON/OFF delay of the vibrator via PNP sensor – air blow – part-flow loss time with alarm. The total maximum currents are 10 A, with 3 A for the linear vibrator, 6 A for the circular vibrator, and 3 A for the vibrating hopper.

Applications

Control of vibrating hopper, circular vibrator, or linear vibrator, with PNP level sensor in the circular or linear unit and PNP overflow sensor on the linear unit (both timed), plus air blow for part-flow loss with alarm.

Options

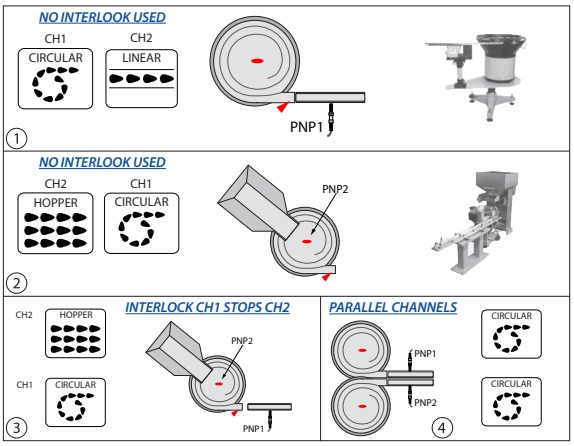
Personalized label • Connector for vibrator • SW custom.

Technical Specs

Supply Voltage:	85/250V +/- 5% 50/60Hz
Current Max:	3A - 6A - 3A (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:	0/10 sec.
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 vertcal
Degree of Protection:	IP55
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:	up to 2000 meters
European Norms:	EMC CE



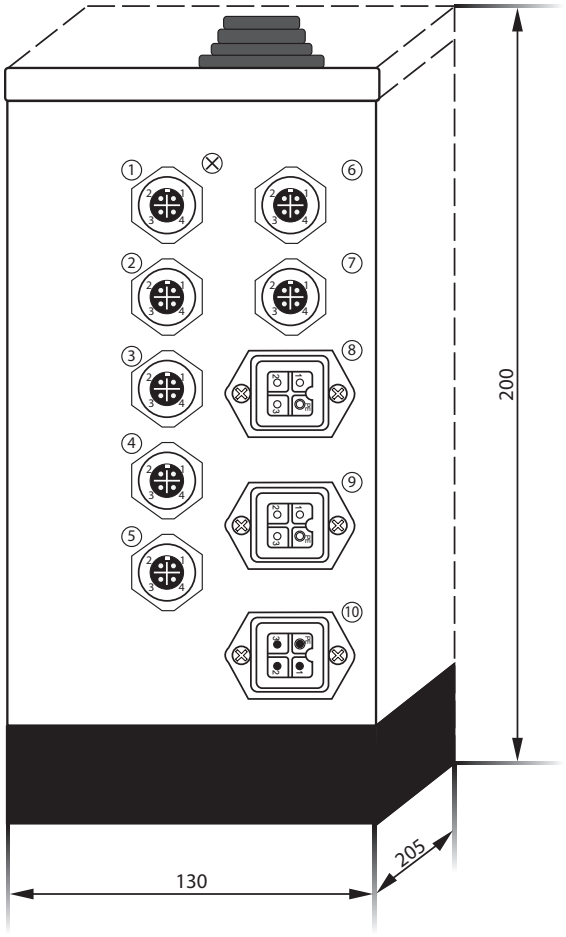
METALLIC BOX MCP02
PV MCP02 Z2 STD
100x225x210



Available Versions

Type	Box	Colour	Dimensions	Code	Price €
MCP02	Metallic	GREY	100 x 225 x 210	PV MCP02 Z2 STD	

DIMENSIONS/CONNECTIONS





M12 CONNECTORS

1 SENSOR 1

1	*+24V*
2	
3	*GND*
4	*INPUT*
5	

2 SENSOR 2

1	*+24V*
2	
3	*GND*
4	*INPUT*
5	

3 SENSOR 3

1	*+24V*
2	
3	*GND*
4	*INPUT*
5	

4 ENABLE/CHANNELS

1	*+24V*
2	*CH1*
3	*GND*
4	*CH2*
5	

5 OUTPUT 1-AIR JET

1	*+24V Out Air*
2	*Status*
3	*0V*
4	*+24V Out 2*
5	

6 TIME OUT/COUNTER

1	*+24V TO CH1*
2	*OUT COUNTER 24V*
3	*0V*
4	*+24V TO CH2*
5	

7 SENSOR 4

1	*+24V*
2	*STATUS CH1*
3	*GND*
4	*INPUT*
5	*STATUS CH2 - EV ON/OFF*

8 CHANNEL 2

1	VIBRATOR
2	VIBRATOR
3	
PE	GND

9 CHANNEL 1

1	VIBRATOR
2	VIBRATOR
3	
PE	GND

10 LINE 230V

1	L
2	N
3	
PE	GND

STANDARD MODEL

Digital Control MCP02 10Amp

M12 Connectors :

Input: *1°/2°/3°/4° sensor PNP*

Input: *enable +24V – free-contact voltage*

Output: *Out1/Out2 signal +24V*

Output: *status +24V*

Output: *blow air +24V*

Output: *signal +24V time out*

NORMS OF GUARANTEE

1) The controller is guaranteed for a period of 1 year from the date shown on the inside.

2) The guarantee covers the free replacement or repair of components parts that are defective at origin for manufacturing errors.

3) The guarantee is not valid for damage caused accidentally due to improper use or negligence and in case of alterations or repair carried out by unauthorized persons.

Design and specifications could be subjected to change without notice.