Electronic Controller for Electromagnetic Vibrator

▶ FQ2N-DIG

6A | 115V 230V | 0/10V 0/20mA

END OF LIFE

General

Microprocessor digital professional controller with visualized frequency and amplitude - Delay 20 sec max On/Off vibrator with sensor PNP or relay contact - Automatic input 0/10V-0/20mA - Status relay - 2° PNP sensor - EV air blow - Alarm absence pieces - Lamp alarm.

General Characteristics

Voltage (110V) 230V, 50/60 Hz • Input ON/OFF • Soft/Fast ramp (0 ÷ 5 sec.) • Digital Regulation amplitude/frequency min/max(5-140Hz) • 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) .

Applications

Digital regulation of linear and bowl feeder till 6 Amps - The FQ2NDIG allows optimizing operation of the vibratory feeder by searching for its resonance frequency (max performance) thereby eliminating its lengthy and difficult mechanical calibration - Qualification input for multiple electromagnetic system (linear - blow feeder - hopper).

Options

Custom label and SW • Connector for vibrator • Vibrator control with dual track (2 PNP sensors)

Technical Specs

Tension of Feeding:	115V or 230V ± 5% 50/60Hz
Consumption:	2,5 W max
Current Max:	6A (RMS)
Load Min:	50 mA (RMS)
Frequency of Vibration:	5-200Hz (300Hz on request)
Time of Ramp:	0 ÷ 5 sec.
Regulation Min./Max:	50V ± 30% - 200V - 30%
Automatic input:	0/10V - 0/20 mA
Sensor:	PNP - PNP1 (0 ÷20 sec.)
Air blow delay:	2 sec.
Delay alarm absence pieces:	10/180 sec.
On/Off:	free contact - signal voltage
Degree of Protection:	IP55 in box
Temperature of Operation:	–5°C / +55°C
Temperature of Storage	-10°C/+80°C
European Norms:	EMC CE
Warranty:	1 year (from date on circuit)



METALLIC BOX
FQ2N DIG
PV FQ2DI Z2 STD
100x210x70

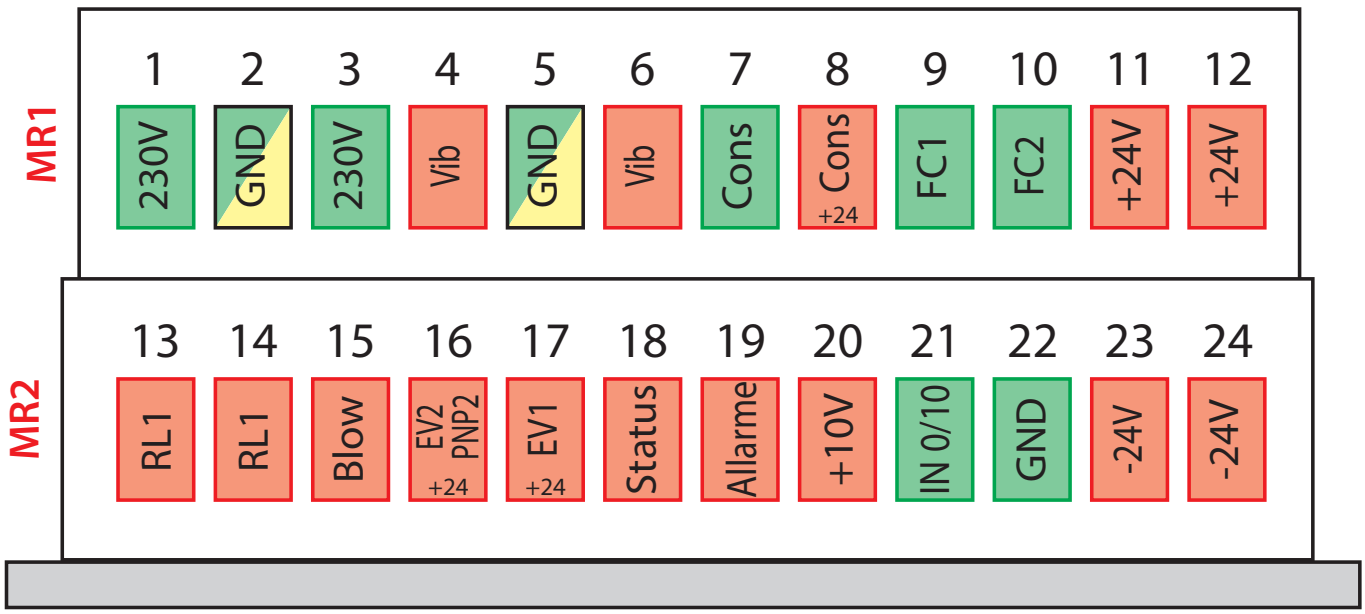


SENSOR SIND3
PV SIND3 A2 STD

Available Versions

Type	Box	Colour	Dimensions	Code	Price €
FQ2DIG	Aluminium	GREY	100 x 210 x 70	PV FQ2DI Z2 STD	
SENSOR SIND3	Aluminium		45 x 43 x 19	PV SIND3 A2 STD	

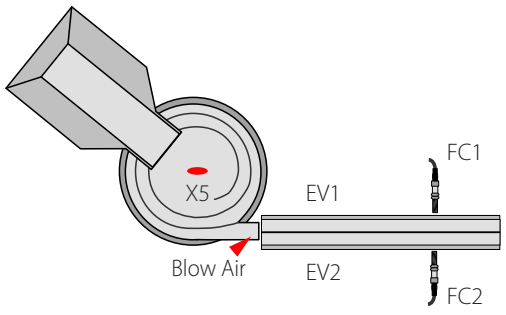
MR1-MR2



1	AC	INPUT 230V (110)	13	RL1	Status Relay
2	GND		14	RL1	
3	AC		15	Blow	+24V Blow Air
4	Vibrator	VIBRATOR	16	EV2	+24V EV2/PNP2
5	GND		17	EV1	+24V EV1
6	Vibrator		18	Status	+24V Status Output
7	Cons	Close ON	19	Allarm	+24V Time Out
8	Cons	Open OFF	20	+10V	
9	FC1	IN PNP Sensor 1	21	IN 0/10	10K / 0/10V 500 0/20 mA
10	FC2	IN PNP Sensor 2	22	GND	
11	+24V		23	-24V	
12	+24V		24	-24V	

DIGITAL

Menù : ALT MODE>YES (Function with Blow Feeder - Linear Twin Track)



FC1	FC2	EV1	EV2	X5
0	0	0	0	1
1	0	1	0	1
0	1	0	1	1
1	1	1	1	0