Electronic Controller for Electromagnetic Vibratory Feeders

▶ FQ1 PWM/4HC 6/8A 400V DIGITAL

NEW

General

This controller is available in metallic box with two potentiometers and display, with keys and display, with a potentiometer without dispaly or in circuit with DIN35.



METALLIC BOX
FQ1 PWM/HCD
PV FQ1PW Z3 HCD
265x130x90

General Characteristics

Voltage 400V, 50/60 Hz • 3000/6000 vpm • Double Input ON/OFF • Soft/fast ramp • Manual Regulation amplitude/frequency (30/80Hz - 80/130Hz) min/max • Limitation Max Output current • Line input with plug • Vibrator output with connector - Delay 8 sec max On/Off vibrator with sensor NPN/PNP or relay contact - Automatic Input from PLC 0/10V-4/20mA - Status relay



METALLIC BOX
FQ1 PWM/HCB
PV FQ1PW Z3 HCB
265x130x90

Applications

Digital regulation of linear and bowl feeder till 6/8 Amps - The FQ1 PWM/XHC allows optimizing operation of the vibratory feeder by searching for its resonance frequency (max performance) thereby eliminating its lengthy and difficult mechanical calibration.



METALLIC BOX
FQ1 PWM/HCBD
PV FQ1PW Z3 CBD
265x130x90

Options

Customized label • Connector for vibrator • Frequency Meter.

Technical Specs

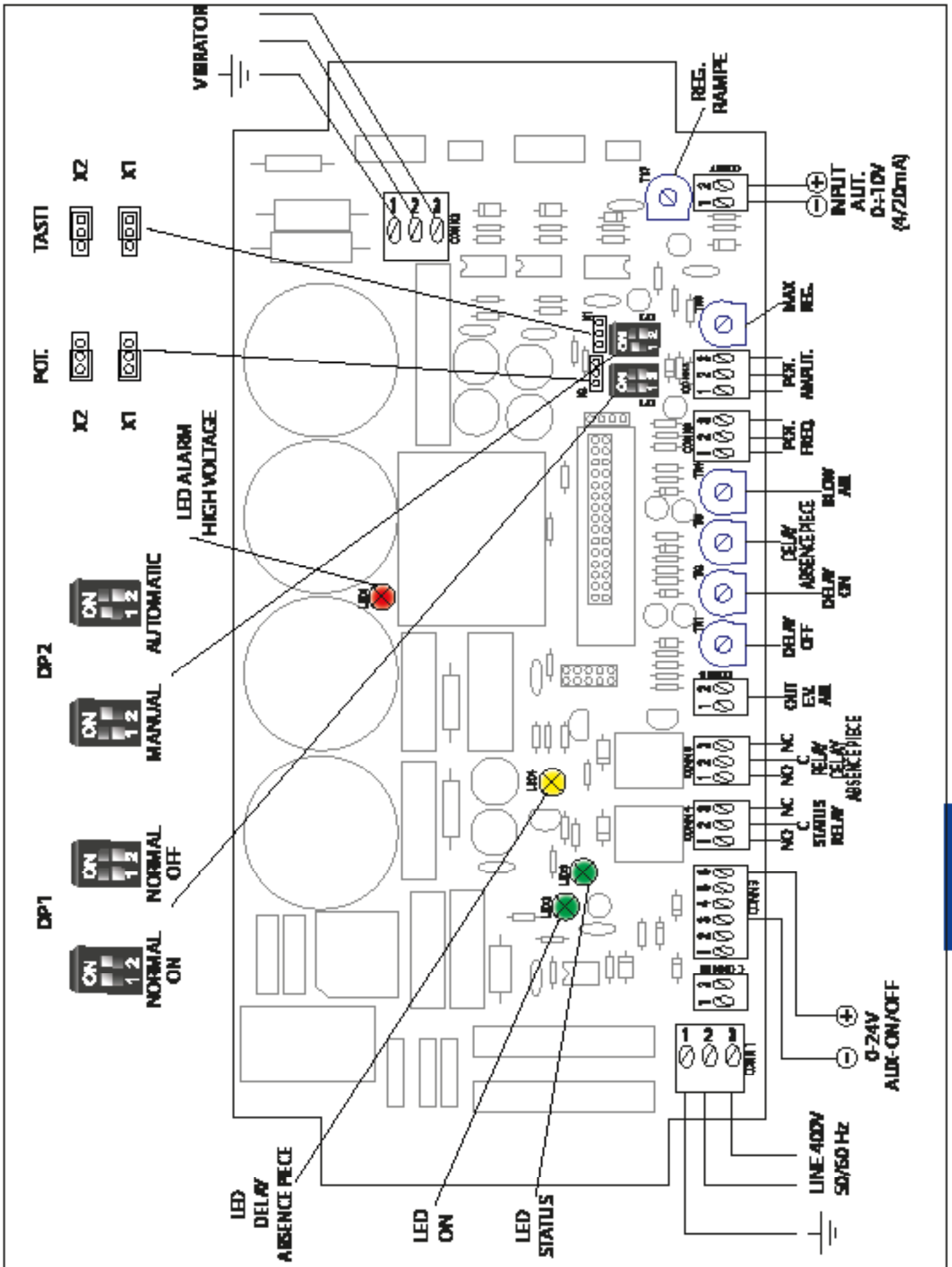
Feeding Tension:	400V ± 5% 50/60Hz
Consumption:	2,5 W max
Max Current:	6/8 A (RMS)
Min Load:	50 mA (RMS)
Vibration Frequency:	30/80Hz - 80/130Hz
Time of Ramp:	0.1 - 2 sec.
Input Sensor:	NPN/PNP or Free voltage contact
Automatic Input:	0/10V-4/20mA (with 470 Ohm)
On/Off:	free contact - 0/24 Vdc
Delay ON/OFF:	0/8 sec
Protection Degree:	IP65 in box (NEMA4-4X)
Storage Temperature:	-25°C./ + 80°C.
Operation Temperature:	–15°C / +45°C
Altitude:	till to 2000 meters
European Norms:	EMC CE
Warranty:	1 year (from date on circuit)



METALLIC BOX
FQ1 PWM/HCBD
PV FQ1PW Z3 CBD
265x130x90

Available Versions

Type	Box	Colour	Dimensions	Code	Price €
FQ1PWM/4HC	Metallic	RAL 7035	265 x 130 x 90	PV FQ1PW Z3 HCD	
FQ1PWM/4HC	Circuit Din		265 x 120 x 50	PV FQ1PW D3 HCD	
FQ1PWM/4HC/B	Metallic	RAL 7035	265 x 130 x 90	PV FQ1PW Z3 HCB	
FQ1PWM/4HC/B	Circuit Din		265 x 120 x 50	PV FQ1PW D3 HCB	
FQ1PWM/4HC/BD	Metallic	RAL 7035	265 x 130 x 90	PV FQ1PW Z3 HBD	
FQ1PWM/4HC/BD	Circuit Din		265 x 120 x 50	PV FQ1PW D3 HBD	
FQ1PWM/4HC/K	Metallic	RAL 7035	265 x 130 x 90	PV FQ1PW Z3 HCK	



MP ELETTRONICA	Description: ELECTRONIC CIRCUIT FQ1 PWM/4HC				
	CODE	REV	DATE	DRAFTSMAN	SHEET
	DTFQ1PWM/4HC	00	07/19	E. PEDRAZZI	1/1

Electronic Controller for Electromagnetic Vibratory Feeders

▶ FQ1 PWM/2(1)HC

12/15A | 115V 230V | DIGITAL

General

This controller is available in metallic box with two potentiometers and display, with keys and display, with a potentiometer without dispaly or in circuit with DIN35.

General Characteristics

Voltage 110/230V, 50/60 Hz • 3000/6000 vpm • Double Input ON/OFF • Soft/fast ramp • Manual Regulation amplitude/frequency (30/80Hz - 80/130Hz) • min/max • Limitation Max Output current • Line input with plug • Vibrator output with connector - Delay 8 sec max On/Off vibrator with sensor NPN/PNP or relay contact - Automatic Input from PLC 0/10V-4/20mA - Status relay

Applications

Digital regulation of linear and bowl feeder till 12/15 Amps - The FQ1 PWM/XHC allows optimizing operation of the vibratory feeder by searching for its resonance frequency (max performance) thereby eliminating its lengthy and difficult mechanical calibration.

Options

Customized label • Connector for vibrator • Frequency Meter.

Technical Specs

Feeding Tension:	115V or 230V ± 5% 50/60Hz
Consumption:	2,5 W max
Max Current:	12/15 A (RMS)
Min Load:	50 mA (RMS)
Vibration Frequency:	30/80Hz - 80/130Hz
Time of Ramp:	0.1 - 2 sec.
Input Sensor:	NPN/PNP or Free voltage contact
Automatic Input:	0/10V-4/20mA (with 470 Ohm)
On/Off:	free contact - 0/24 Vdc
Delay ON/OFF:	0/8 sec
Protection Degree:	IP65 in box (NEMA4-4X)
Storage Temperature:	-25°C./ + 80°C.
Operation Temperature:	-15°C / +45°C
Altitude:	till to 2000 meters
European Norms:	EMC CE
Warranty:	1 year (from date on circuit)



METALLIC BOX
FQ1 PWM/HCD
PV FQ1PW Z3 HCD
265x130x90



METALLIC BOX
FQ1 PWM/HCB
PV FQ1PW Z3 HCB
265x130x90



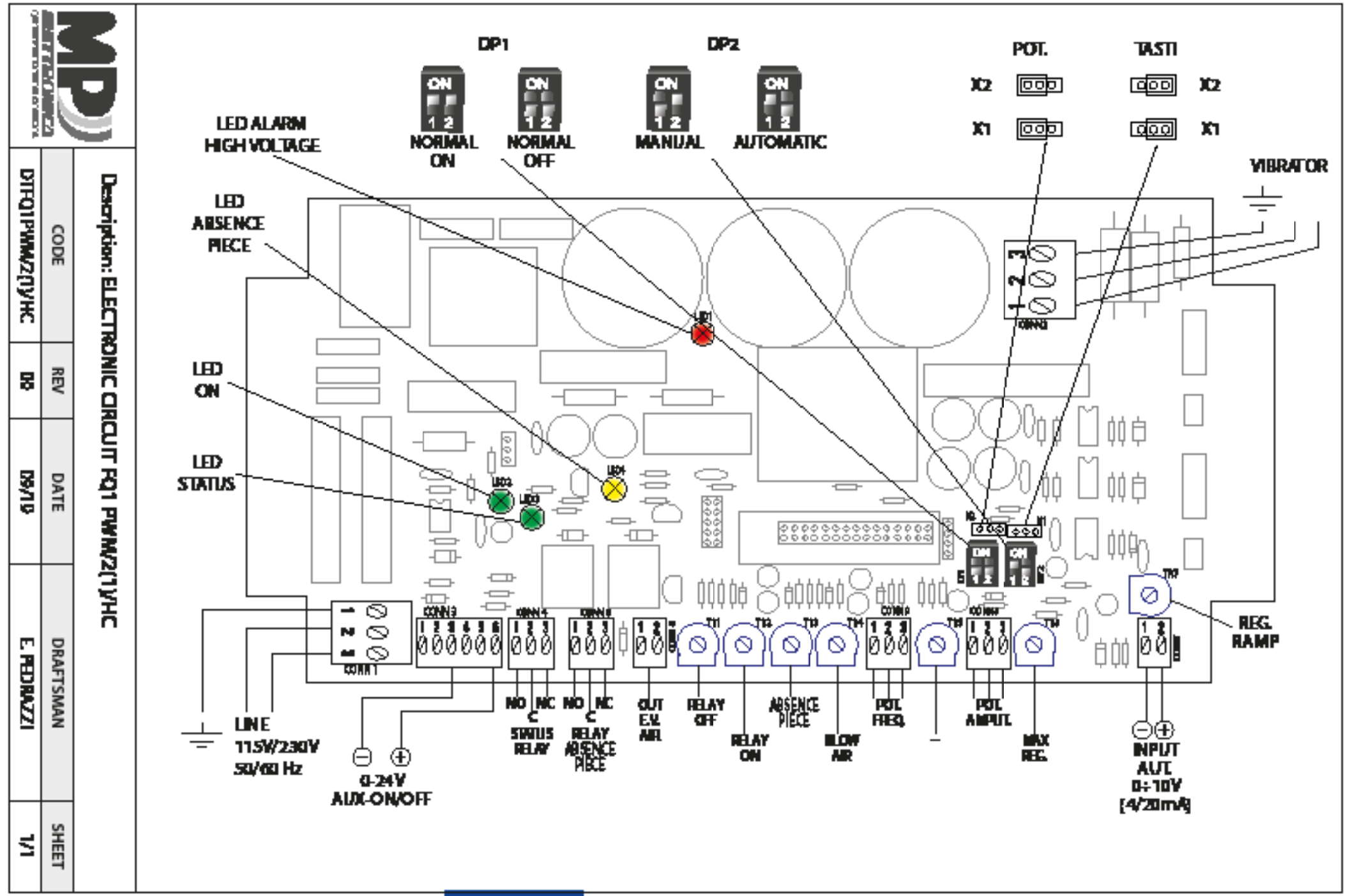
METALLIC BOX
FQ1 PWM/HCBD
PV FQ1PW Z3 CBD
265x130x90



METALLIC BOX
FQ1 PWM/HCBD
PV FQ1PW Z3 CBD
265x130x90

Available Versions

Type	Box	Colour	Dimensions	Code	Price €
FQ1PWM/2(1)HC	Metallic	RAL 7035	265 x 130 x 90	PV FQ1PW Z2(1) HCD	
FQ1PWM/2(1)HC	Circuit Din		265 x 120 x 50	PV FQ1PW D2(1) HCD	
FQ1PWM/2(1)HC/B	Metallic	RAL 7035	265 x 130 x 90	PV FQ1PW Z2(1) HCB	
FQ1PWM/2(1)HC/B	Circuit Din		265 x 120 x 50	PV FQ1PW D2(1) HCB	
FQ1PWM/2(1)HC/BD	Metallic	RAL 7035	265 x 130 x 90	PV FQ1PW Z2(1) HBD	
FQ1PWM/2(1)HC/BD	Circuit Din		265 x 120 x 50	PV FQ1PW D2(1) HBD	
FQ1PWM/2(1)HC/K	Metallic	RAL 7035	265 x 130 x 90	PV FQ1PW Z2(1) HCK	



DTFQ1PWM2(1)VHC	CODE	Description: ELECTRONIC CIRCUIT FQ1 PWM2(1)VHC		
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