

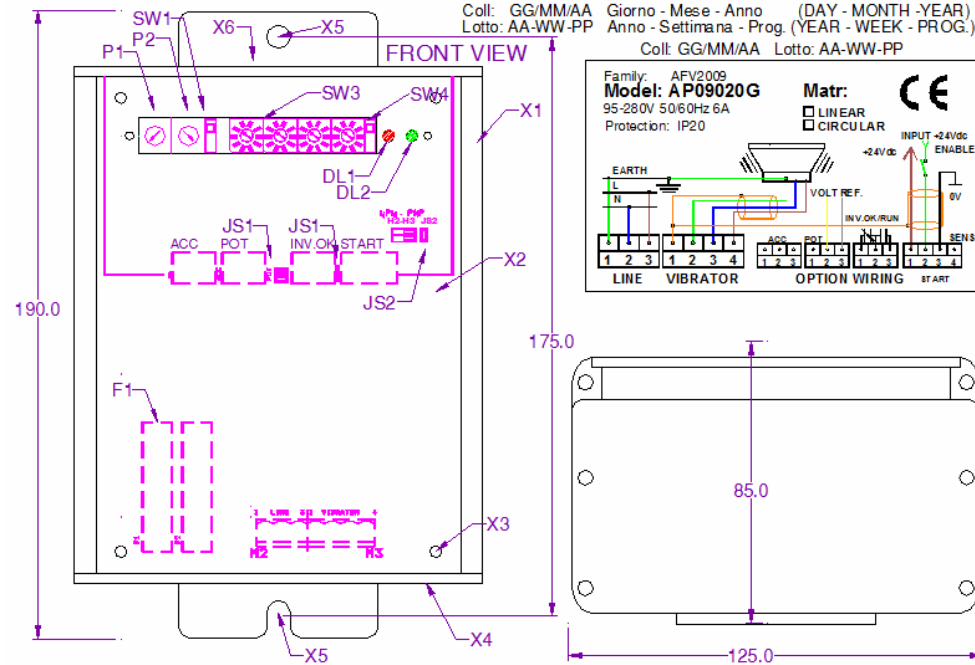
VARIABLE FREQUENCY REGULATOR FOR VIBRATORS

Digisystem SRL - Via Fleming, 9 - 40024 Castel San Pietro Terme (BO)

WEB: Digisystemsrl.it

code: **AP09020G/D** (6A) For Cabinet IP20

Coll: GG/MM/AA Giorno - Mese - Anno (DAY - MONTH - YEAR)
 Lotto: AA-WW-PP Anno - Settimana - Prog. (YEAR - WEEK - PROG.)
 Coll: GG/MM/AA Lotto: AA-WW-PP



Make sure that there is no leakage to ground in the cables that feed the vibrator

Mechanical parts of the vibrator must be grounded with separate wire

Install in a clean area and not subject to vibrations

POWER - **SIGNALS**

REF.	SIGNAL DESCRIPTION	CONNECT TO:	WIRE
M2-1	Earth connection	Network ground socket	3x1,5
M2-2	Network input (Neutral)	Neutral 230 Vac or 110Vac	3x1,5
M2-3	Network input (Phase)	Phase 230 Vac or 110Vac	3x1,5
M3-1	Screen	Power supply side only	shield
M3-2	Earth connection	Vibrator ground socket	3x1,5 shield
M3-3	Output for Vibrator	Vibrator	3x1,5 shield
M3-4	Output for Vibrator	Vibrator	3x1,5 shield
START-1	+ 24V for sensor power supply or clean contact		3x0,5
START-2	PNP input 12 ÷ 24Vdc start / stop command (10mA)		3x0,5
START-3	Reference command start / stop or 0V supply control		3x0,5
START-4	PNP input 12 ÷ 24Vdc start / stop n enable		Sensor
INV OK-2	COMMON FOR INVERTER RELAY OK / KO		2x0,5
INV OK-3	NO CONTACT FOR INVERTER OK / KO RELAY		2x0,5
POT-1	+ 5V FOR REFERENCE POTENTIOMETER	CW	3x0,5
POT-2	REFERENCE INPUT 0-10V with JS1 or 10K POT. CURSOR		3x0,5
POT-3	0V FOR VOLTAGE REFERENCE	CCW	3x0,5

ALT. COD. **AP09010G / D (3A)** REVISED: 11/06/18

Cabinet IP20 / DIN rail



REF.	PART DESCRIPTION
M2	Mains input with Shuko plug or cable or CONNECTOR M2
M3	Load output supply with HAN connector or CONNECTOR M3
START	Input for start / stop command with cable or CONNECTOR START
ACC	Input for Accelerometer CONNECTOR ACC
INV.OK	Output Relay signaling INV-OK or INV-RUN CONNECTOR INV.OK
F1	Mains fuses Short circuit protection of the power supply and ground
H2, H3	Set start/stop and sensor PNP/NPN
JS1	Selection of voltage reference 0-10 Vdc closed , 0-5 Vdc open x POT.
JS2	Output selection INV-OK open or INV-RUN closed
P1	Sets minimum reference voltage from analog reference
P2	Sets maximum reference voltage from analog reference
POT	Output voltage regulation with 10K Potentiometer or 0-10V reference
SW1	Reversing selection of sensor command for enabling gear
SW3	Sets output frequency or soft and delay start/stop, P / I, limits
SW4	Enables accelerometer
DL1	Power supply inhibited
DL2	Power output available
X1	Anodized aluminum
X2	Anodized aluminum
X3	Fastening front panel to the box
X4	Lower bracket anodized aluminum
X5	Fixing box to wall
X6	Upper bracket anodized aluminum

TECHNICAL SPECIFICATIONS	
Power supply:	85-280Vac, frequency di 50 or 60 Hz
Output voltage:	from 0 to 230Vca (with mains 230Vca)
Output compensation:	of the variation of the mains voltage, of the load with ACC
Output frequency:	from 10,0 to 150,0 Hz in step of 0,1 Hz
Current:	peak value 18 Amp. (about 6A eff.) electronic current limit with autoreset
Fuses:	6,3A fast action 250Vca; size 5x20 mm
Output power:	soft-start with ramp settable from 0,1 to 4,5 second
Remote commands:	Start / stop with external voltage PNP or switch (12÷24Vdc 10 mA optocoupled)
Mechanical protection:	IP 20 FOR CABINET
EMI protection:	meets following rules: LVD CEI EN60439-1, EMC CEI EN50082-2, EMC CEI EN50081-2 If observed wiring instructions
Connections:	through cable glands with removable terminal blocks
Dimensions - Weight:	190 x 123 x 80 (height x breadth x depth) - 1,5Kg (6A) 150 x 123 x 80 (height x breadth x depth) - 1Kg (3A)