

Accessories

1-phase voltage controller 1.5 A



Advantages

- Continuous speed control.
- Attractive and compact enclosure.
- Projection mounted or wall mounted.

APPLICATION

- Speed controller designed for 1-speed 230 VAC 1-phase motors, whose maximum current consumed does not exceed 1.5 A, and which are compatible with voltage regulation.
- **Compatible with VEKITA+ (non acoustic), HELICA, VC, THELIA 1-phase and variable.**

DESCRIPTION

- Supplied in an aesthetically designed enclosure with IP 44, for either wall or projection mounting.
- PCB type design.
- Start-up by an adjustment potentiometer.
- Integrated anti-EMI (EMC) feature.
- Integrated fuse protection.
- 230 VAC - 50/60 Hz
- Regulation of the maximum towards the minimum speed (avoids restarting at low voltage).
- Possibility to adjust the minimum speed (80 V by default).

RANGE R7

Description	Code	L x H x P (mm)
1.5 A voltage regulator	11086572	82 x 82 x 65

3 to 10 A 1-phase voltage regulator



Advantages

- Continuous speed control.
- Separate ON/OFF switch.
- Full voltage safety starting function.

APPLICATION

- Speed controller designed for 1-speed 230 VAC 1-phase motors, whose maximum current consumed does not exceed 3, 5 and 10 A respectively, and which are compatible with voltage regulation.
- **Compatible with VEKITA+ (acoustic), HELICA, VC, THELIA 1-phase and variable.**

DESCRIPTION

- Supplied in an IP 54 enclosure.
- PCB type design.
- Start-up by offset switch (on the side of the box).
- Integrated anti-EMI (EMC) feature.
- Integrated fuse protection.
- 230 VAC - 50/60 Hz.
- Full voltage start-up function: on starting up, the voltage regulator sends out a maximum voltage for 6 or 7 seconds before returning to the voltage adjustment on the potentiometer. This function avoids start-up at low voltage, which could damage the motor.
- It is possibility to adjust the minimum speed (100 V by default).

RANGE R7

Description	Code	L x H x P (mm)
3.0 A voltage regulator	11086024	83 x 140 x 88
5.0 A voltage regulator	11086013	83 x 160 x 88
10 A voltage regulator	11057067	115 x 195 x 95

Accessories

1-phase electronic speed controller



Advantages

- Continuous speed control.
- 2 analogue 0-10 V inputs.
- Potentiometer and switch on the front panel.

APPLICATION

- Electronic speed controller for 1-phase asynchronous motors accepting voltage control.
- **Compatible with VEKITA+, HELICA, THELIA 1-phase and VC.**

DESCRIPTION

- IP 65 box.
- 230 VAC - 50/60 Hz
- Potentiometer on the facade.
- 2 analogue 0-10 V inputs.
- Adjustment U min, U max.
- ON/OFF switch, energized circuit warning light.
- Thermal protection.
- Visual display of faults by warning indicator light.

RANGE R7

Description	Code	L x H x P (mm)
1-phase electronic controller 5 A	11057080	123 x 160 x 165
1-phase electronic controller 11.5 A	11057081	168 x 160 x 165

1-phase autotransformer



Advantages

- Accurate 5 position adjustment.

APPLICATION

- Regulator designed for 1-speed, 1-phase 230 VAC motors compatible with voltage regulation.
- **Compatible with VEKITA+, HELICA, THELIA 1-phase and VC.**

DESCRIPTION

- Supplied in an IP 54 enclosure.
- 5 manual adjustment positions + stop (110 - 140 - 170 - 200 - 230 V).
- ON/OFF indicator light.
- Integrated fuse protection.
- Non-adjusted 230V additional outlet.
- 230 VAC - 50/60 Hz

RANGE R7

Description	Code	L x H x P (mm)
1.5 A 1-phase autotransformer	11086100	115 x 180 x 85
3.5 A 1-phase autotransformer	11086418	170 x 245 x 140
5.0 A 1-phase autotransformer	11086417	170 x 245 x 140
13 A 1-phase autotransformer	11057061	300 x 300 x 170

Accessories

3-phase autotransformer



APPLICATION

- Voltage regulator designed for a 1 speed, 3-phase, 400V motor, compatible with the variation in voltage.
- **Compatible with VEC, VIK, TVEC GII, VDA 3-phase, THELIA 3-phase.**

RANGE R7

Description	Code
2A 3-phase autotransformer	11086096
4A 3-phase autotransformer	11086097
6A 3-phase autotransformer	11086098
8A 3-phase autotransformer	11086099
14A 3-phase autotransformer	11057060

DIMENSIONS - WEIGHT

Type	L (mm)	H (mm)	D (mm)	Weight (kg)
2 A, 3-phase autotransformer	200	280	140	6,0
4 A, 3-phase autotransformer	250	300	200	14,0
6 A, 3-phase autotransformer	300	400	200	20,5
8 A, 3-phase autotransformer	300	400	200	27,7
14 A, 3-phase autotransformer	500	400	250	38,0

TECHNICAL DETAILS

- Voltage variation controlled by autotransformer.
- 400 V, 50 Hz three-phase network voltage + Neutral.
- IP 55 metal box enclosure with epoxy paint.
- Enclosure's front panel contains an ON/OFF indicator light and a 5-position + ON/OFF switch. (130 - 180 - 230 - 300 - 400 V).
- Articulated door on hinges.
- Without motor protection.

Frequency controller



Frequency controller

APPLICATION

- Frequency controller designed for a 1-speed 3-phase 230/400V - 50/60 Hz asynchronous motor.
- Compatible with all Aldes 1-speed 3-phase fans.

RANGE R7

Description	Code
1 / 3-phase range	
Freq. cont. 0.37 kW 1 / 3	11086389
Freq. cont. 0.75 kW 1 / 3	11086390
Freq. cont. 1.5 kW 1 / 3	11086391
Freq. cont. 2.2 kW 1 / 3	11086392
3 / 3 phase range	
Freq. cont. 0.75 kW 3 / 3	11086401
Freq. cont. 1.5 kW 3 / 3	11086402
Freq. cont. 2.2 kW 3 / 3	11086403
Freq. cont. 3 kW 3 / 3	11086404
Freq. cont. 4 kW 3 / 3	11057201
Freq. cont. 7.5 kW 3 / 3	11057202
Accessories	
Offset control	11057084
IP55 offset control	11057085



Offset control

DIMENSIONS

Type	L (mm)	H (mm)	D (mm)
Frequency controller 0.37 kW	80	140	114
Frequency controller 0.75 kW	110	155	136 S/T 163 T/T
Frequency controller 1.5 / 2.2 / 3 / 4 kW	110	155	163
Frequency controller 7.5 kW	180	250	163

TECHNICAL DETAILS

- Frequency conversion from 0 to 50 Hz.
 - Comes in an IP 20 compact and robust box, to be fixed to a DIN rail.
 - LCD display screen + potentiometer on the front panel
 - Pid function for regulation via an exterior sensor (input 0-10 V or 4-20mA and 24 V output).
 - Converter 1 / 3-phase: enables conversion from 230 V single to 230 V 3-phase mode - Specific programming instruction manual supplied.
 - Offset potentiometer is possible, please consult us.
 - Delivered with the installation and programming instructions (CD).
- NOTE : EMC filter is highly recommended in order to respect electromagnetic compatibility standards for residential housing. Please, consult us.

Accessories

Frequency regulator for professional kitchens



VARILONE VF

Advantages

- Pre-adjusted for professional kitchens use in order to facilitate the wiring.
- Progressive and continuous airflow variation.
- 1 potentiometer and 1 HS offset emergency stop button.

APPLICATION

- Speed control by frequency regulator designed for a 3-phase 230/400V - 50 Hz asynchronous motor.
- VARILONE VF is configured at the factory to be controlled by an RD offset potentiometer and an HS high speed emergency stop button with priority.
- Ideal for use in professional kitchens, especially for controlling VELONE roof fans.
- Reserved for 1-speed motors. Do not use for 2-speed motors.

DESCRIPTION

- LCD = indicator light energized.
- IP 20 box.
- No ON/OFF switch.
- CE and UL certifications.
- Integrated class A EMC filter. Class B filter advisable for a residential environment, please consult us.
- 1 status change relay if the potentiometer requests 0 Hz.

NOTE 1: an action on the HS emergency stop button passes the speed controller to maximum smoke extraction speed in large kitchens.

NOTE 2: the front panel mounted potentiometer is inactive, only the offset potentiometer is authorised to control.

RANGE R7

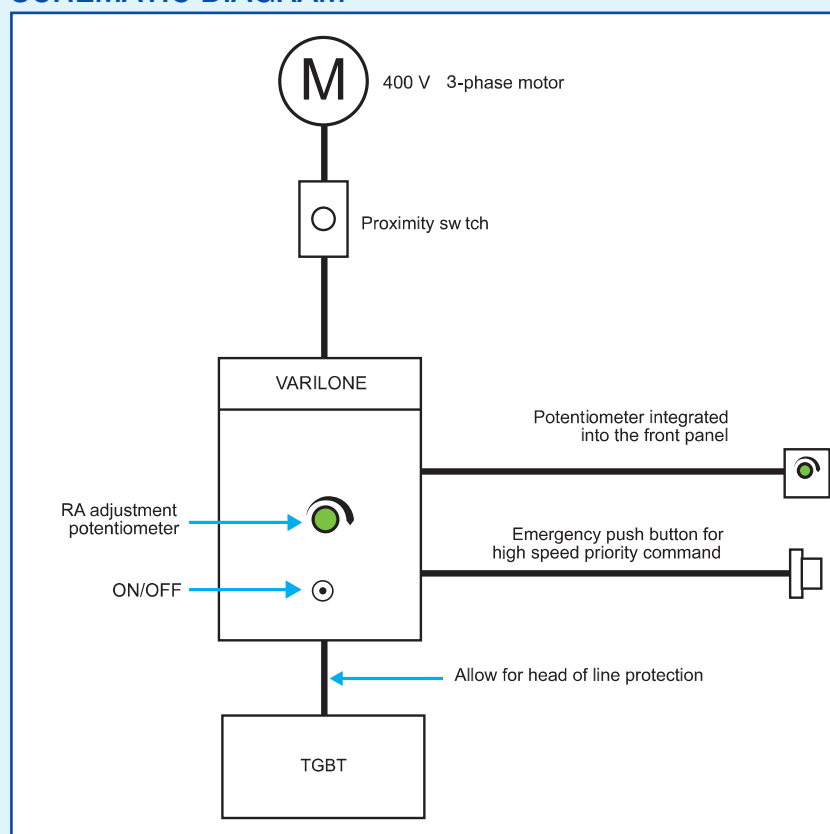
Description	Code
1 / 3-phase range	
VARILONE VF 0.75 kW - 1 / 3	11057265
VARILONE VF 1.5 kW - 1 / 3	11057266
VARILONE VF 2.2 kW - 1 / 3	11057267
3 / 3-phase range	
VARILONE VF 0.75 kW - 3 / 3	11057270
VARILONE VF 1.5 kW - 3 / 3	11057271
VARILONE VF 2.2 kW - 3 / 3	11057272
VARILONE VF 3 kW - 3 / 3	11057273
VARILONE VF 4 kW - 3 / 3	11057274
VARILONE VF 7.5 kW - 3 / 3	11057275

INSTALLATION ACCESSORIES R7

- Emergency stop button for closing: priority command for setting the fan to High Speed (HSPB). IP65 box enclosure.
- Potentiometer + emergency push button in the same IP65 box (RD+HSPB).

Description	Code
RD Potentiometer - IP65	11057065
HSPB emergency push button box	11057759
RD + HSPB box	11057066

SCHEMATIC DIAGRAM



DIMENSIONS (mm)

Type	Width	Height	Depth
VARILONE VF 0.75 kW	110	155	136 Mono/Tri 163 Tri/Tri
VARILONE VF 1.5 / 2.2 / 3 / 4 kW	110	155	163
VARILONE VF 7.5 kW	180	250	163

Accessories

Comfort 2-speed box enclosure



APPLICATION

- This box enclosure enable, for 2-speed 3-phase 400 V Independent Winding (IW) or Dahlander coupling (DAH) fans:
- manual control of the speeds: stop, low speed LS, high speed HS,
- thermal protection of the motor under LS and HS.

DESCRIPTION

- IP65 box enclosure in ABS.
- Prepared cable gland inlet points (glands not supplied).
- 3 positions selector switch on the front panel (LS-STOP-HS).
- 400 V contactors with appropriate ratings.
- 2 thermal relays (LS/HS) with appropriate ratings.

RANGE R7

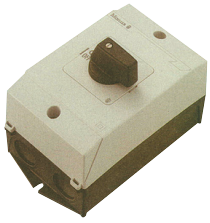
Description	Code
2-speed Dahlander couplings	
2-speed DAH 1.6/0.6 box	11057235
2-speed DAH 2.4/1.0 box	11057236
2-speed DAH 4/1.6 box	11057237
2-speed DAH 4/1 box	11057238
2-speed DAH 4/2.4 box	11057239
2-speed DAH 6/2.4 box	11057240
2-speed DAH 9/2.4 box	11057241
2-speed DAH 9/4 box	11057242
2-speed DAH 9/6 box	11057243
2-speed DAH 10/4 box	11057244
2-speed DAH 16/4 box	11057245
2-speed DAH 16/6 box	11057246
2-speed DAH 24/10 box	11057247
2-speed DAH 40/10 box	11057248
2-speed DAH 40/16 box	11057249
2-speed DAH 57/16 box	11057250
2-speed DAH 57/24 box	11057277
2-speed Independent Windings	
2-speed IW 1.6/0.6 box	11057280
2-speed IW 1.6/1.6 box	11057281
2-speed IW 2.4/1.6 box	11057282
2-speed IW 2.4/1.0 box	11057283
2-speed IW 4/1.6 box	11057284
2-speed IW 4/2.4 box	11057285
2-speed IW 6/2.4 box	11057286
2-speed IW 6/4 box	11057287
2-speed IW 9/4 box	11057288
2-speed IW 9/6 box	11057289
2-speed IW 10/6 box	11057290
2-speed IW 16/6 box	11057291
2-speed IW 16/10 box	11057292
2-speed IW 24/10 box	11057293
2-speed IW 40/10 box	11057294
2-speed IW 40/16 box	11057295
2-speed IW 57/16 box	11057296
2-speed IW 57/24 box	11057297

DIMENSIONS - ELECTRICAL DETAILS

Description	HS current (A)		LS current (A)		Dimensions		
	lth min.	lth max.	lth min.	lth max.	L (mm)	H (mm)	D (mm)
2-SPEED DAHLANDER MOTOR							
2-speed DAH 1.6/0.6 box	1.0	1.6	0.4	0.6	160	240	152
2-speed DAH 2.4/1.0 box	1.6	2.4	0.6	1.0	160	240	152
2-speed DAH 4/1.6 box	2.4	4.0	1.0	1.6	160	240	152
2-speed DAH 4/1 box	2.4	4.0	0.6	1.0	160	240	152
2-speed DAH 4/2.4 box	2.4	4.0	1.6	2.4	160	240	152
2-speed DAH 6/2.4 box	4.0	6.0	1.6	2.4	160	240	152
2-speed DAH 9/2.4 box	6.0	9.0	2.4	4.0	160	240	152
2-speed DAH 9/4 box	6.0	9.0	2.4	4.0	160	240	152
2-speed DAH 9/6 box	6.0	9.0	4.0	6.0	160	240	152
2-speed DAH 10/4 box	6.0	10.0	2.4	4.0	200	280	152
2-speed DAH 16/4 box	10.0	16.0	2.4	4.0	200	280	152
2-speed DAH 16/6 box	10.0	16.0	4.0	6.0	200	280	152
2-speed DAH 24/10 box	16.0	24.0	6.0	10.0	200	280	152
2-speed DAH 40/10 box	24.0	40.0	6.0	10.0	375	375	175
2-speed DAH 24/16 box	24.0	40.0	10.0	16.0	375	375	175
2-speed DAH 57/16 box	40.0	57.0	10.0	16.0	375	375	175
2-speed DAH 57/24 box	40.0	57.0	16.0	24.0	375	375	175
2-SPEED INDEPENDENT WINDING MOTOR							
2-speed IW 1.6/0.6 box	1.0	1.6	0.4	0.6	160	240	152
2-speed IW 1.6/1.6 box	1.0	1.6	1.0	1.6	160	240	152
2-speed IW 2.4/1.6 box	1.6	2.4	1.0	1.6	160	240	152
2-speed IW 2.4/1.0 box	1.6	2.4	0.6	1.0	160	240	152
2-speed IW 4/1.6 box	2.4	4.0	1.0	1.6	160	240	152
2-speed IW 4/2.4 box	2.4	4.0	1.6	2.4	160	240	152
2-speed IW 6/2.4 box	4.0	6.0	1.6	2.4	160	240	152
2-speed IW 6/4 box	4.0	6.0	2.4	4.0	160	240	152
2-speed IW 9/4 box	6.0	9.0	2.4	4.0	160	240	152
2-speed IW 9/6 box	6.0	9.0	4.0	6.0	160	240	152
2-speed IW 10/6 box	6.0	10.0	4.0	6.0	160	240	152
2-speed IW 16/6 box	10.0	16.0	4.0	6.0	200	280	152
2-speed IW 16/10 box	10.0	16.0	6.0	10.0	200	280	152
2-speed IW 24/10 box	16.0	24.0	6.0	10.0	200	280	152
2-speed IW 40/10 box	24.0	40.0	6.0	10.0	250	375	175
2-speed IW 40/16 box	24.0	40.0	10.0	16.0	250	375	175
2-speed IW 57/16 box	40.0	57.0	10.0	16.0	250	375	175
2-speed IW 57/24 box	40.0	57.0	16.0	24.0	250	375	175

Accessories

3-phase selector switch



APPLICATION

- Enables, amongst other things, the delocalisation of the 1-speed or 2-speed 3-phase motors control:
 - 1-speed motor: ON/OFF command,
 - 2-speed motor: High/Low speed control + ON/OFF.
- **Compatible with TVEC GII, VIK, VEC, C.VEC, VDA 3-phase, THELIA 3-phase.**

DESCRIPTION

- Presentation in an IP 54 box enclosure for projection fitting.
- AC3 category in use.
- Supplied with connection instructions.

RANGE **R7**

Description	Code	L x H x P (mm)
3-phase On/Off switch 7.5 kW max.	11056115	87 x 160 x 125
2-speed 3-phase Ind. Winding 4 kW max.	11056116	80 x 137 x 95
2-speed 3-phase Dahl. selector switch - 4 kW max.	11056117	80 x 137 x 95