




# VARIASEAT 5500 / 7500

5,5kW / 7,5kW

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## 1. Settings list

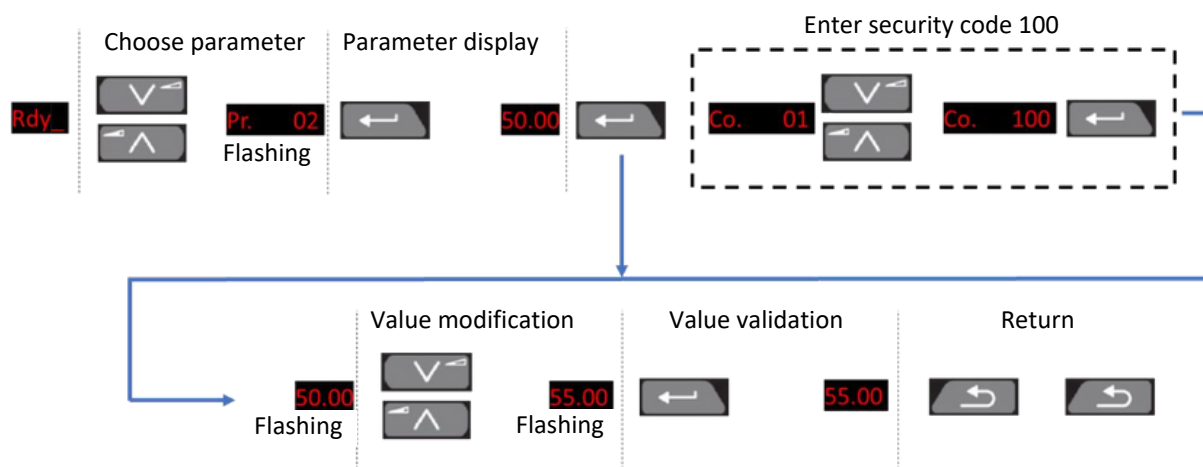
Setting	Description	Value	Unit
Pr 00	Save (Select SAVE then press reset  )	nonE	N.C.
Pr 01	Minimum Frequency	15.00	Hz
Pr 02	Maximum Frequency	50.00	Hz
Pr 03	Preset Frequency 1	30.00	Hz
Pr 04	Preset Frequency 2	40,00	Hz
Pr 05	Preset Frequency 3	50.00	Hz
Pr 06	Reversing relay 1 (Terminal 41-42)	Not inv. (Healthy)	Invert (Trip)
Pr 07	Logic input mode 5 (Terminal 14)	Input (tH if PTC)	N.C.
Pr 08	Analog input 2 Value (Terminal 5)	0.00	%
Pr 09	Acceleration ramp	10.0	s/100Hz
Pr 10	Deceleration ramp	10.0	s/100Hz
Pr 11	Analog input 1 Value (Terminal 2)	0.00	%
Pr 12	Analog input mode 1 (Terminal 2)	Volt	or 4-20mA
Pr 20	Motor Nominal Current	10.7	A
Pr 21	Nominal Speed Motor	1500	rpm
Pr 22	Motor Nominal Voltage	400	V
Pr 23	Power Factor Nominal	0.82	N.C.
Pr 24	Reverse Select	Off	N.C.
Pr 25	Switching frequency	6	KHz



**These settings are factory preset and specific to each motor. Any changes to these settings can seriously damage the motor and void the warranty.**

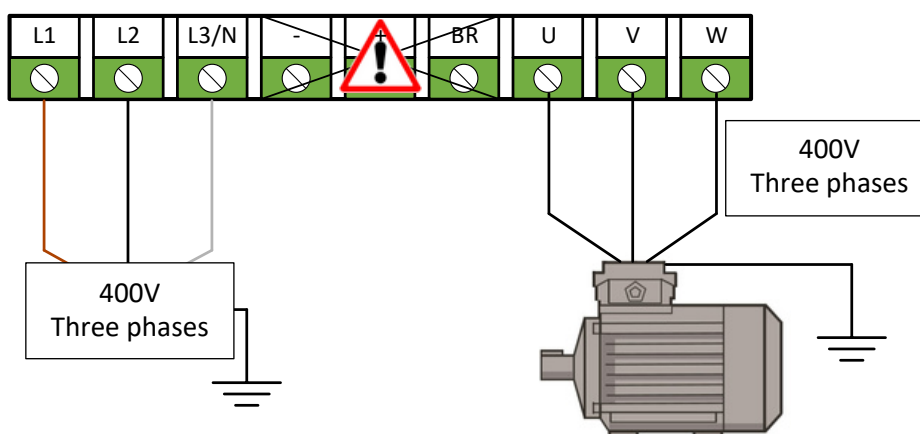
SEAT Ventilation  
70 Impasse Jean Mermoz  
Parc Technologique Delta Sud  
09340 Verniolle, France

## 2. How to modify the settings



## 3. Connecting the Power Supply

### Three phases VFD 400V

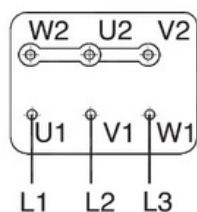


Always check voltage rating for  $\Delta$  and Y connections on motor nameplate.

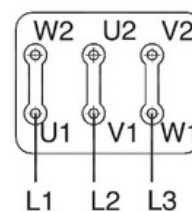
Motor nameplate 230V / 400V

Motor nameplate 400V / 690V

**Y**

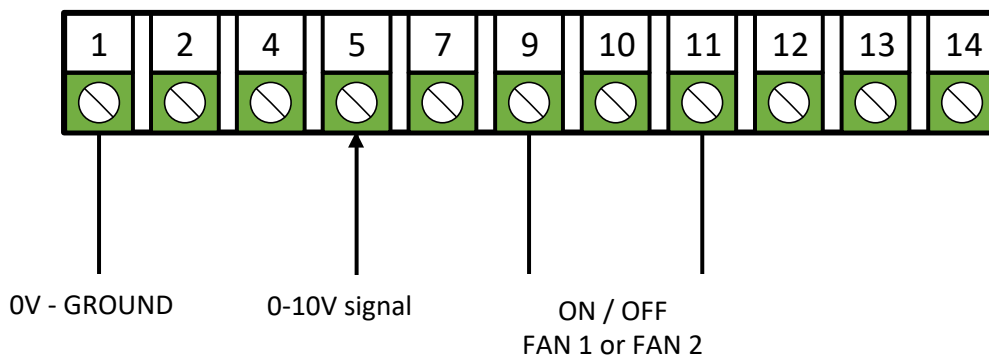


**$\Delta$**

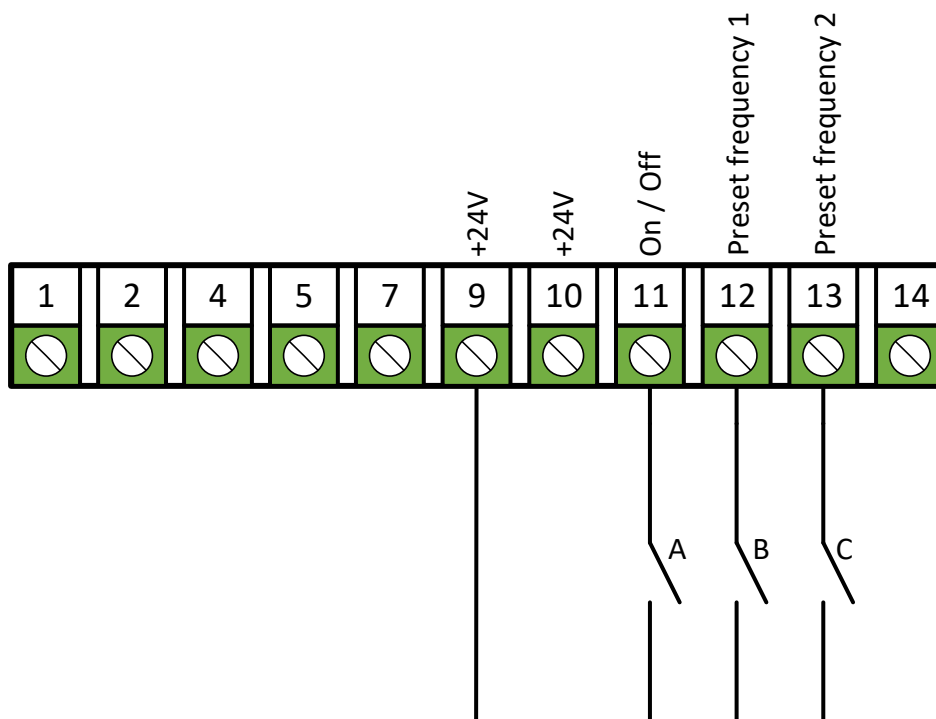




## 4. Connecting a SEAT controller



## 5. Connecting priority speeds



Contact A	Contact B	Contact C	Results
0	0	0	The frequency inverter is stopped and displays "rdy"
1	0	0	The frequency inverter is running and operates at the minimum frequency (Pr 01 = 15Hz)
1	1	0	Preset frequency 1 is activated (Pr 03 = 30 Hz)
1	0	1	Preset frequency 2 is activated (Pr 04 = 40 Hz)
1	1	1	Preset frequency 3 is activated (Pr 05 = 50 Hz)

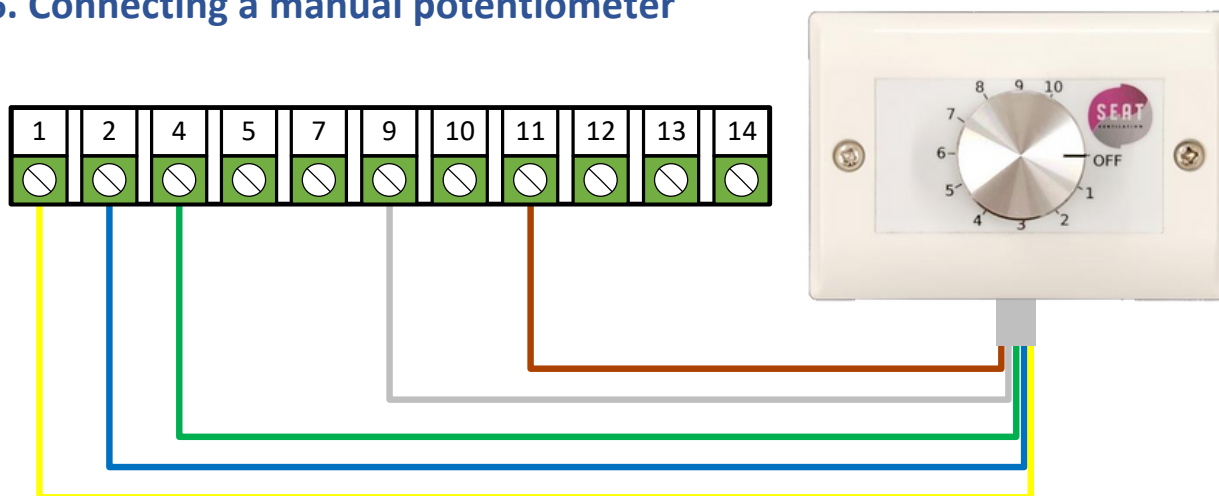
Contact A between terminals 9 and 11 is required to run the drive.

Priority speed 1 is activated with contact B.

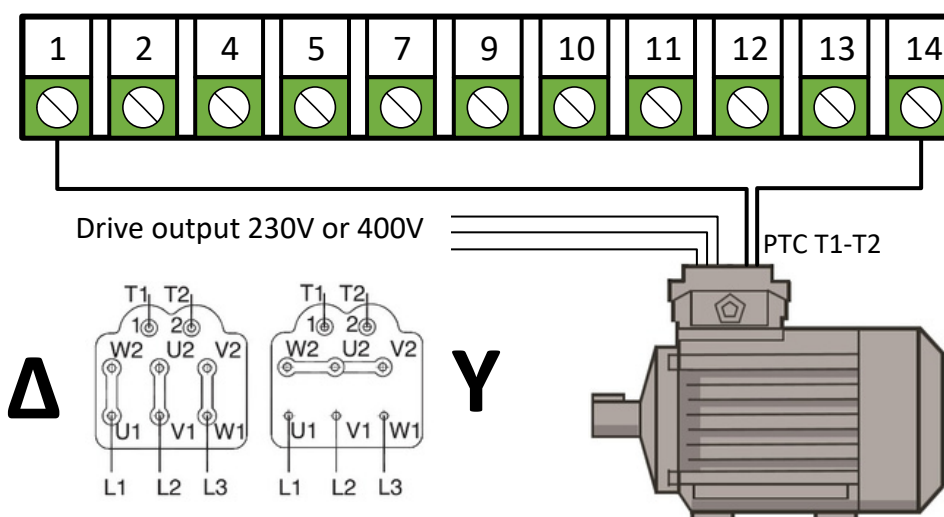
Priority speed 2 is activated with contact C.

Priority speed 3 is activated by operating both contact B and C.

## 6. Connecting a manual potentiometer



## 7. Connecting a PTC sensor



Always check voltage rating for  $\Delta$  and Y connections on motor nameplate.

400 / 690	$\Delta$ connection 400V
230 / 400	Y connection 400V

## 8. Dimensions and cables

Drive	Height		Width		Depth		Fuse rating	Cable size Input		Cable size Output	
	mm	in	mm	in	mm	in		mm <sup>2</sup>	AWG	mm <sup>2</sup>	AWG
5.5kW 3Ph	277	10.91	115	4.53	175	6.89	20	2.5 - 4	12 - 10	2.5 - 4	12 - 10
7.5kW 3Ph	277	10.91	115	4.53	175	6.89	25	4	10	2.5 - 4	12 - 10

The use of a shielded cable is recommended between drive and motor, the shield must be connected to earth using the grounding bracket/clamp.