









and insulation, in areas susceptible to mist or splashes or in outdoor areas.

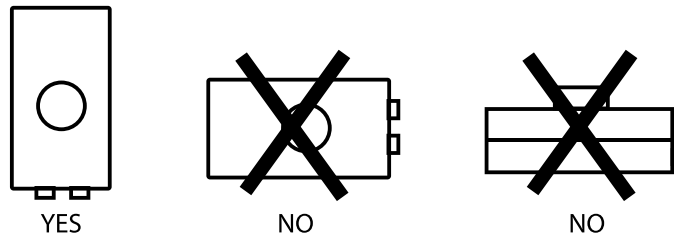
- Do not connect the unit to electric motors (either standalone or integrated) whose current consumption (normally shown in the certificate) exceeds the limit value of the unit load current.
- Do not connect the output terminals of the unit to the electric mains.

## MOUNTING AND SETUP

**ATTENTION!** After transportation or storage under below zero temperatures keep the unit in the specified operation conditions for at least 4 hours before powering up.

- Inspect the unit visually for any damage to the housing.
- Remove the front panel (see Fig. 2).
- Secure the variable frequency drive to the mating surface by using the mounting holes in the rear wall (see Fig. 2).

**Attention: The unit is designed to operate in the vertical position.**



- Complete the electrical connections according to the diagram (see Fig. 3 and Fig. 4). External electrical conductors are connected to the unit by means of screw terminals 4 (see Fig. 2). The conductors are routed to the housing through sealed lead-ins 4 (see Fig. 2). The external lead-in (220 V / 50 Hz) must be equipped with an automatic circuit breaker built into the stationary wiring.

- Apply the supply voltage to the unit and start it up.

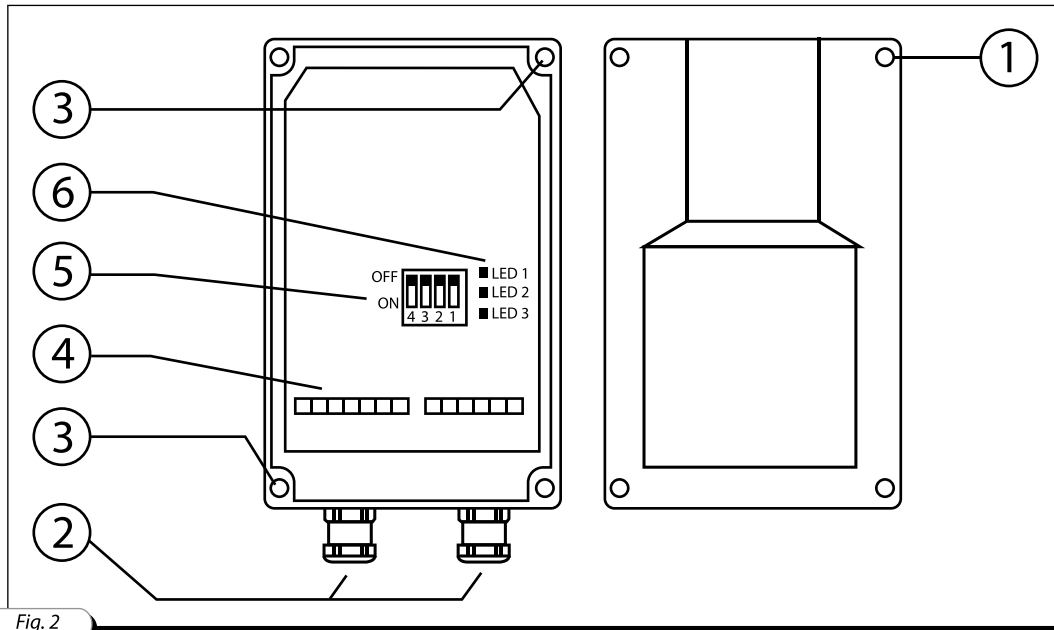


Fig. 2

1. Front panel mounting screws
2. Sealed lead-ins for external conductors
3. Mounting holes

4. Screw terminal
5. Switches
6. Indicators.

## Switch functions

<b>Switch 1</b>	Frequency change
OFF	8 kHz *
ON	16 kHz
<b>Switch 2</b>	Shutdown mode
OFF	Free running *
ON	Braking
<b>Switch 3</b>	Maximum output frequency
OFF	50 Hz *
ON	60 Hz
<b>Switch 4</b>	Control law (voltage/frequency)
OFF	linear * (1)
ON	quadratic

\* - factory setting  
(1) – for pumps and fans

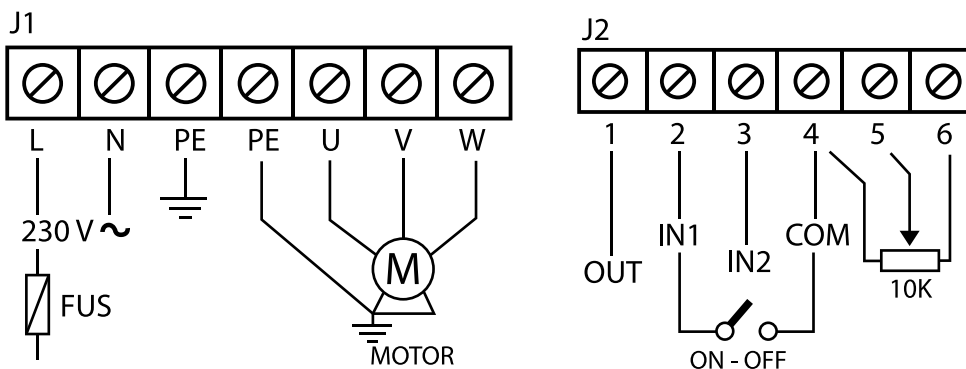
## Indicator functions

<b>LED 1</b>	Power
<b>LED 2</b>	Malfunction
<b>LED 3</b>	Motor start/shutdown

## WIRING DIAGRAM

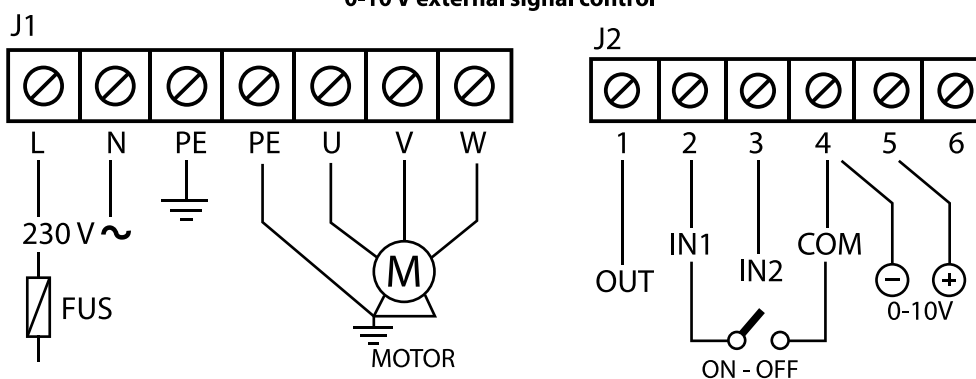
## VFED-200-TA AND VFED-200-TA ELECTRICAL CONNECTIONS DIAGRAM

## Potentiometer control



OUT and IN2 outputs are out of use

## 0-10V external signal control

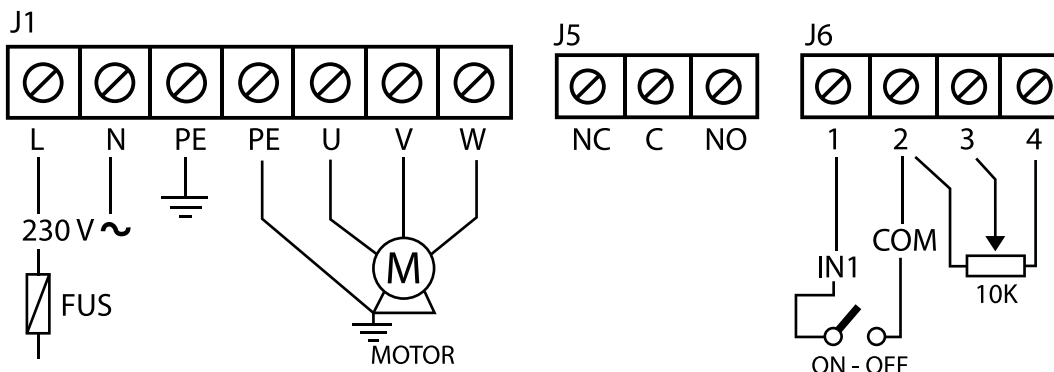


OUT and IN2 outputs are out of use

Fig. 3

## VFED-750-TA, VFED-1100-TA AND VFED-1500-TA ELECTRICAL CONNECTIONS DIAGRAM

### Potentiometer control



### 0-10 V external signal control

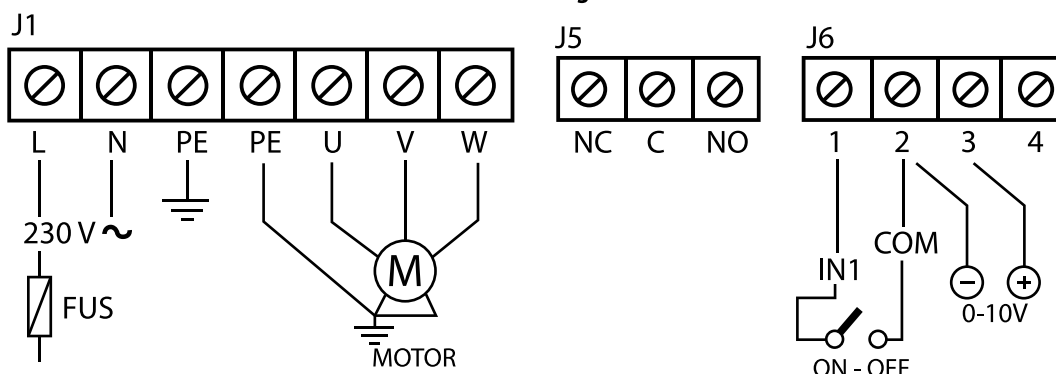


Fig. 4

## MAINTENANCE

- From time to time clean the air vents of the unit from dust, filaments and similar contaminants.
- Make sure that the external electrical leads are securely attached to the screw terminals of the unit.

## TRANSPORTATION REGULATIONS

- The unit can be carried in the original packing by any mode of transport without limitation to distance and speed. The units delivered to the end user must be stored in the original packing at ambient air temperatures from -40 °C to +35 °C at relative air humidity below 80%. The storage space must be free from dust and corrosive acid or alkaline vapours.

## MANUFACTURER'S WARRANTY

The automatic transformer has a guaranteed service life of 12 month counted from the sale date within the guaranteed shelf life period. The guaranteed shelf life period is 24 months from the manufacture date. In case of no confirmation of the sale date and vendor's stamp the warranty period is calculated from the automatic transformer manufacture date. In the event of any malfunction in the automatic transformer operation during the warranty period through the manufacturer's fault the user shall be entitled to repair provided free of charge.



**ATTENTION! The manufacturer shall not be liable for any personal injury or property damage resulting from non-observance of the installation and operation regulations herein.**

**Please make sure that the automatic transformer acceptance and sale certificate is properly completed with the following information: manufacture date and sale date, manufacturer's stamp and vendor's stamp.**

