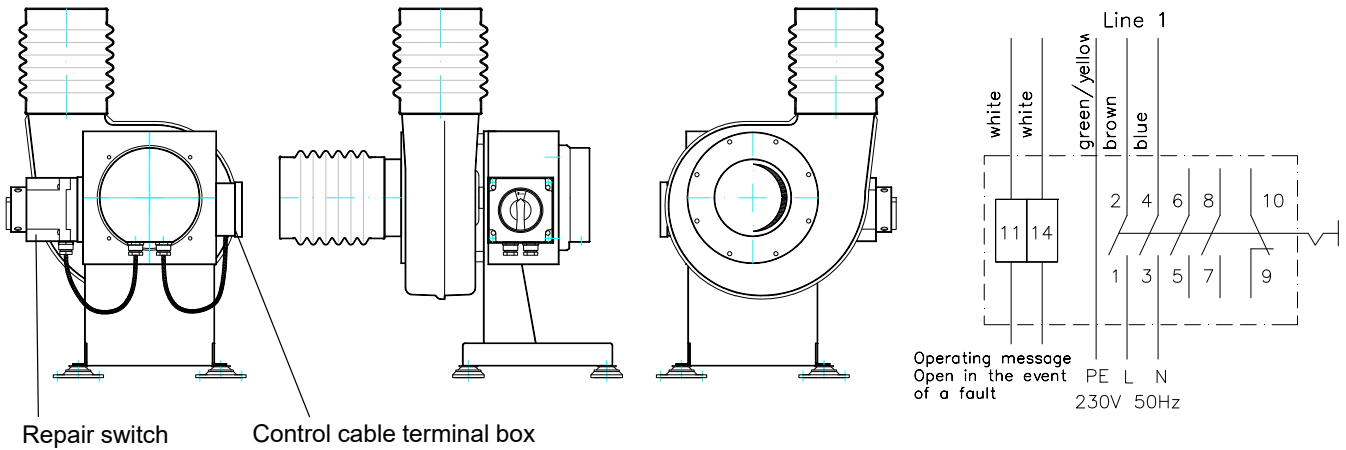


The VRE-EC fan was developed on the basis of the proven VRE series. This device is preferably used in systems with variable volume flows. All specifications and instructions in the "Radial fans VRE" operating instructions also apply to its use and operation.

1. Mains connection



The power supply is connected to the repair switch mounted on the fan.

A fault signal can be connected to terminals 11 and 14 (max. contact load AC 250V 2A). The contacts are closed during normal operation and open in the event of a fault in the motor.

2. Connecting the control cable

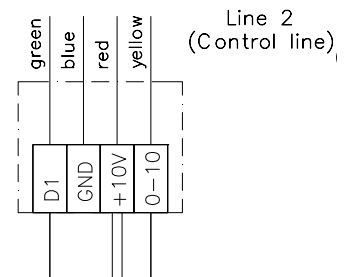
The control cable is connected in the terminal box.

Three operating modes are possible for speed control.

2.1. Operation with fixed speed (factory setting)

Due to the bridge between the internal 10V voltage source and the 0-10V input, the fan runs at its maximum speed.

The bridge between +10V and D1 causes a start command.



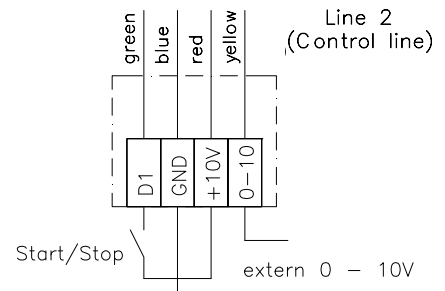
2.2. Activation via an external control signal

An external 0-10V signal is connected to the 0-10V and GND terminals.

0V --> Speed = 0

10V --> Speed = Maximum fan speed

A start/stop switch is connected to the +10V and D1 terminals.



2.3. Control via an external potentiometer

The speed is changed via an external potentiometer. The resistance should be 10kOhm so that the motor's internal voltage source is not overloaded.

We recommend the POT10K potentiometer, which can be surface-mounted or flush-mounted.

