



# Frequency inverter Type 650 V

## Application

The Frequency inverter is used for operation of actuators Pi-EI, type WV-110.

## Design

The Frequency inverter is designed to adjust actuator Pi-EI type WV-110 via an analogue input signal. The Frequency inverter's analogue input compares with the actuator's feedback potentiometer and adjusts the actuator so that balance is attained. The Frequency inverter can adjust the piston speed and torque. Alarm for internal error in the frequency inverter and error in the actuator is indicated via the digital outlets. The Frequency inverter is adjusted with the actuator but it could be reprogrammed via the display module or via a PC (option).



## Technical specification

|                            |   |
|----------------------------|---|
| <b>Power supply</b>        | 220 - 240 Vac   |
| <b>Output voltage</b>      | 3 x 240 Vac, 750V   |
| <b>Input</b>               |   |
| <b>Analogue</b>            | Setpoint 0/4-20 mA, 0-10 Vdc, Potentiometer min 0-1 kohm. Feedback potentiometer min 0-1 kohm   |
| <b>Digital</b>             | The Actuator's outer limit switch 24 Vdc<br>The Actuator's inner limit switch 24 Vdc<br>The Actuator's thermo-protection 24 Vdc<br>Run/Reset 24 |
| <b>Output</b>              |   |
| <b>Analogue</b>            | Position indicator 0-10 Vdc   |
| <b>Settings</b>            | Speed adjustable between 20-150%  |
| <b>Hysteresis</b>          | 0.3% at max load  |
| <b>Enclosure rating</b>    | IP 21   |
| <b>Measurement</b>         | 142 x 73 x 132 mm (DxWxH)   |
| <b>Ambient temperature</b> | 0-40°C  |
| <b>Cabling</b>             | Max length 30 m. Afterwards mounting of chokes for the motor current is required  |
| <b>CE-marking</b>          | The Frequency inverter is supplied with interference filter and is CE-mark according to EMC- and low tension directive                          |