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WWW.UNITRAFO.SE

## ORION PLUS stabilisers:

The ORION PLUS voltage stabilisers are supplied with independent regulation on each phase. It is regulated by toroidal voltage regulators

The ORION PLUS type is used when the main is unbalanced and when unbalanced three-phase loads and/or single-phase loads need to be supplied. In this situation the presence of the neutral wire is required.

The stabilisers are air cooled (natural convection with cabinet internal temperature lower than 45°C).

The measuring instrumentation for the ORION PLUS stabilisers is incorporated in a control panel on the cabinet door and consists of **two multi-task digital network analysers**. Such instruments are able to provide with information regarding the status of the lines upstream and downstream the voltage stabiliser such as phase and linked voltages, current, power factor, active power, apparent power, reactive power, etc.

LED lights are provided for each phase signalling 'power on', reaching of voltage regulation limits and direction of voltage regulation (increase/decrease). Alarms for minimum and maximum voltages, maximum current, over-temperature and ventilation failure are also indicated. The alarm indicators are accompanied by an acoustic alarm. All these signals are located on the control panel mounted on the cabinet door. Automatic circuit breakers are provided on the regulation circuit to protect against overload and short circuit on the voltage regulator. The auxiliary circuit is protected by fuses.

**The logic control, performed on the true rms voltage, is based on the 2-way DSP microprocessor. By using this device, setting the stabiliser parameters via a PC connection is made possible.**

### ORION PLUS STANDARD FEATURES

<b>FREQUENCY</b>	<b>47/65Hz</b>
<b>ADMITTED LOAD VARIATION</b>	<b>from 0 to 100%</b>
<b>ADMITTED LOAD UNBALANCE</b>	<b>up to 100%</b>
<b>MAINS WAVEFORM DISTORTION INCREMENT</b>	<b>&lt; 0.2%</b>
<b>COOLING</b>	<b>Natural Air (Aided Air over 45°C)</b>
<b>AMBIENT TEMPERATURE</b>	<b>-15/+45 °C</b>
<b>STORAGE TEMPERATURE</b>	<b>-25/+60°C</b>
<b>RELATIVE HUMIDITY</b>	<b>95%</b>
<b>ADMITTED OVERLOAD</b>	<b>200% 2min</b>
<b>COLOUR</b>	<b>RAL 7035</b>
<b>PROTECTION</b>	<b>IP 21</b>
<b>INSTALLATION</b>	<b>Indoor</b>