

Setup Assistant

3.5" Colorful TFT Display

Dynamic Step Diagnosis

Optimum Step Value Recommendation

Preventive Maintenance with Daily Records

Safe and Continuous Power Factor Correction



RKR S18

TECHNICAL FEATURES

- Three-phase power supply technology that can operate as long as there is voltage on any phase.
- Slim ergonomic design with a total depth of 42 mm inside the panel including terminal blocks.
- Compensation recovery and continuous response with detection of voltage and current connection failure.
- Dynamic diagnosis of compensation steps and automatic value update
- Bidirectional compensation for energy consumption and generation
- Monitoring generator consumption and line magnitudes with indices different from network indices when the utility is fed from the generator
- High resolution colorful, fast and smooth TFT display with smart menu and user-friendly interfaces.
- Measurement up to 63rd harmonic for current and voltage
- Hybrid compensation with SVC steps with 10,000 step resolution
- Automatic current-voltage matching and current direction detection with three-phase and single-phase steps in installation.
- Quick configuration of device parameters and start installation with the Setup Assistant.
- Setup option with capacitor, reactor or SVC steps only
- Setup and compensation option with single current transformer
- Compensation protection in low voltage, over voltage, over harmonic, over temperature conditions
- Temporary / Permanent inductive and capacitive unmetered reactive power setting for loads measured by the operating meter but not seen by the compensation system
- Temporary and permanent target Cos φ setting.
- Different Cos φ2 setting when the generator is on.
- Hybrid compensation with both contactors and thyristors by differentiating step groups' discharge times
- Measurement, control and management of the AC/DC voltage levels of the step groups' supply commons
- Optimum step value recommendation through advanced Reactive Power Profile (RPP) analysis
- Sensitivity to recognize 3-phase capacitor/reactor at 500 VAr with 1000/5 current transformers
- Co-aging option for steps
- Safe hardware against connection failure in voltage, current, step commons and thermal inputs
- Preventive maintenance infrastructure with detailed event/warning/error logging support with date and time signature