



# FRAKO PQC

The reactive power control relay for maximum operational reliability



Simple to install, easy to operate and automatic 'plug and play' start-up: The FRAKO PQC offers the right characteristic control curve for every duty. It can be relied upon to control the switching in and out of the capacitor stages, automatically adjusting the capacitance of the power factor correction system to match momentary power demand.

This intelligent reactive power control relay is an ideal instrument for control panel builders, electrical installers and electricians who want to reduce costs and minimize the risk of network disruptions.

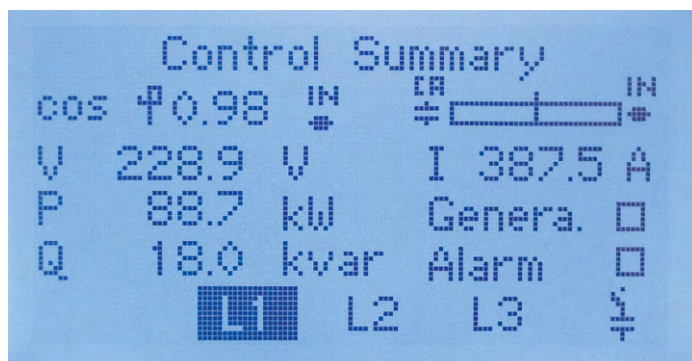
## Special features of the FRAKO PQC

- Optimum cos phi control with 5 programmable characteristic curves
- Quick, user-friendly operation via plain language display
- Simple installation and automatic commissioning plus correction if wrongly connected
- Speedy troubleshooting through integration into management systems via Modbus RTU
- Analysis of harmonics spectrum up to the 50th

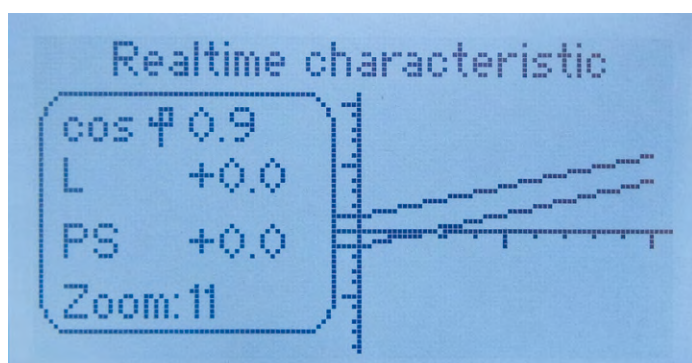
## Optimum performance assured

This reactive power control relay automatically ensures more active power in your network. Its software features five programmable characteristic control curves that produce the optimum power factor for your installation.

Its plain language display makes operation child's play, even when the system is running. In contrast to conventional reactive power control relays, the FRAKO PQC can also be integrated in management systems via fieldbus protocol Modbus RTU. This maximizes the operational reliability of your power factor correction system.



Control summary



Extension of live-view

## Well under control – on every duty:

- 1- or 3-phase measurement of V and I
- Measurement range 100-690 V / 0-5 A
- V and I harmonics up to the 19<sup>th</sup> measured
- Automatic commissioning and correction if wrongly connected
- Automatic identification of the capacitance stages connected
- The first 3 stages can be programmed as fixed
- 6 or 12 stages switchable (3 A, 440 V / 250 V)
- Alarm output, temperature probe input
- Temperature control
- Modbus RTU

## Overview in plain language:

- Voltage
- Frequency
- Active and reactive power
- Momentary and target cos phi
- Capacitor current
- kvar still lacking, kvar per stage
- Analysis of harmonics spectrum (V/I) up to the 50<sup>th</sup>
- Switching cycles

## Information and alarms:

- Corrective power still lacking
- Defective capacitor stages
- Max. number of switching cycles
- Undervoltage
- Over-/Under-Current
- Max. permissible harmonic levels
- Temperature

Please contact us if you have any questions or would like to know more about the possibilities offered by the FRAKO PQC.

