

NOVAR 1312

Real-time Power Factor Controller

NOVAR 1312 power controllers are designed for dynamic compensation systems. These are typically systems with rapid changes in reactive power (elevators, welding machines etc.). Other typical application is a system with strict requirements on power quality and EMC. The controller has fast transistor outputs to control dedicated switching modules. Its processor and algorithm allows up to 25 control interventions in one second. Together with KATKA thyristor switching modules it provides perfect control of fast PFC cabinet.

The controller also supports combined system by combining both KATKA thyristor switching modules and classical electromechanical contactors. Optional RS-485 or Ethernet communication port allows to monitor all measurement values and set instrument's parameters using a remote PC.

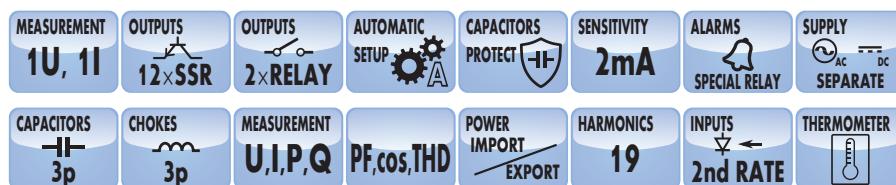
NOVAR 1312-3 is a special modification. It provides 3 independent current inputs and measures sum of all three phase current signals instead of 1. Therefore, it allows fast compensation according to a more precise three-phase power factor.

Typical applications: real time compensation, thyristor switched capacitors (TSC), combined compensation systems with fast thyristor modules and classic mechanical relays.

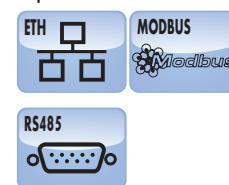
Key features:

- up to 25 control intervention per second
- 12 transistor switched outputs and 2 conventional relay outputs + alarm
- current measurement sensitivity 2 mA
- compatible with KATKA Thyristor Switching Modules
- allows combined compensation systems for both thyristor switching modules and contactors
- optional RS485 or Ethernet remote communication interface

Standard



Optional



Ordering Options

NOVAR 1312 E

Instrument Class
NOVAR = Automatic power factor controller

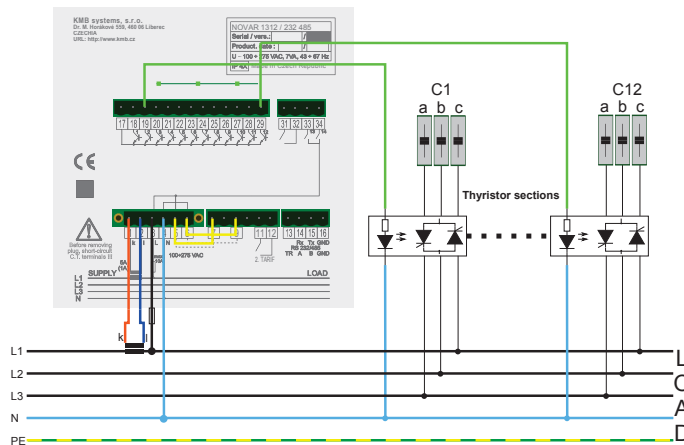
NOVAR model
13 = Real time (fast) power factor controller

Outputs
12 = 12 transistor outputs, 2 relay outputs + 1 alarm relay

Current inputs
__ = 1 input for CT
-3 = 3 inputs for CT, three phase PFC

Remote Communication Interface
_ = Without remote communication interface
4 = RS-485 (KMB short communication protocol only)
E = Ethernet (KMB short communication protocol only)

Typical connection schema



Mechanical dimensions

