

DECLARATION

Declaration of Conformity



Applicant: ComAp a.s.
U Uranie 1612/14a
170 00 Prague 7
Czech Republic

Product type: Controller for Synchronous CHP

Model:	Software version:		Version Grid-Code
	Modul:		
InteliMains 1010	2.1.0	V1.3	

Rating: Supply voltage: 8...36V_{dc}
Measuring AC voltage range: 0...600V_{ac, ph-ph}
Output Voltage: -10...10V_{dc} (analogue output)

A representative test sample of above stated model successfully passed partial testing according to (see test overview in annex).

Standard: TOR Erzeuger Typ A Version 1.1 (tested according to OVE-Richtlinie R 25 Ausgabe 2020-03-01)

Report no: 21PP214-04_1

Certificate no: 22-021-01

Date of issue: 2022-02-21

Kiwa Primara GmbH
Gewerbestraße 28
87600 Kaufbeuren
Germany
Tel. +49 8341 99726-0
primara@kiwa.com
www.kiwa.de

Jürgen Seegger



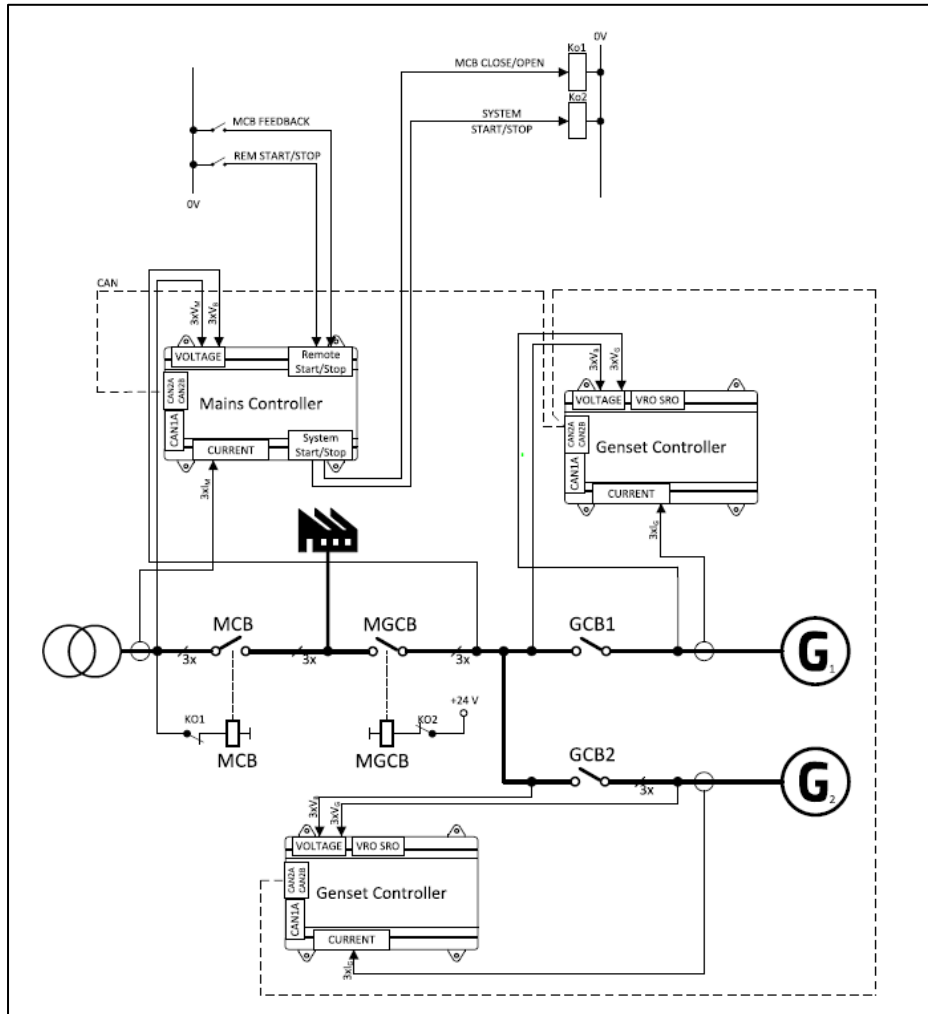


General product information

InteliMains 1010 family controllers are comprehensive Mains supervision controllers for multiple generating sets operating in parallel to the Mains. A modular construction allows upgrades to different levels of complexity.

The controller automatically connects the group of Gen-sets to the Mains.

A typical application of a mains control device is shown in the following figure.

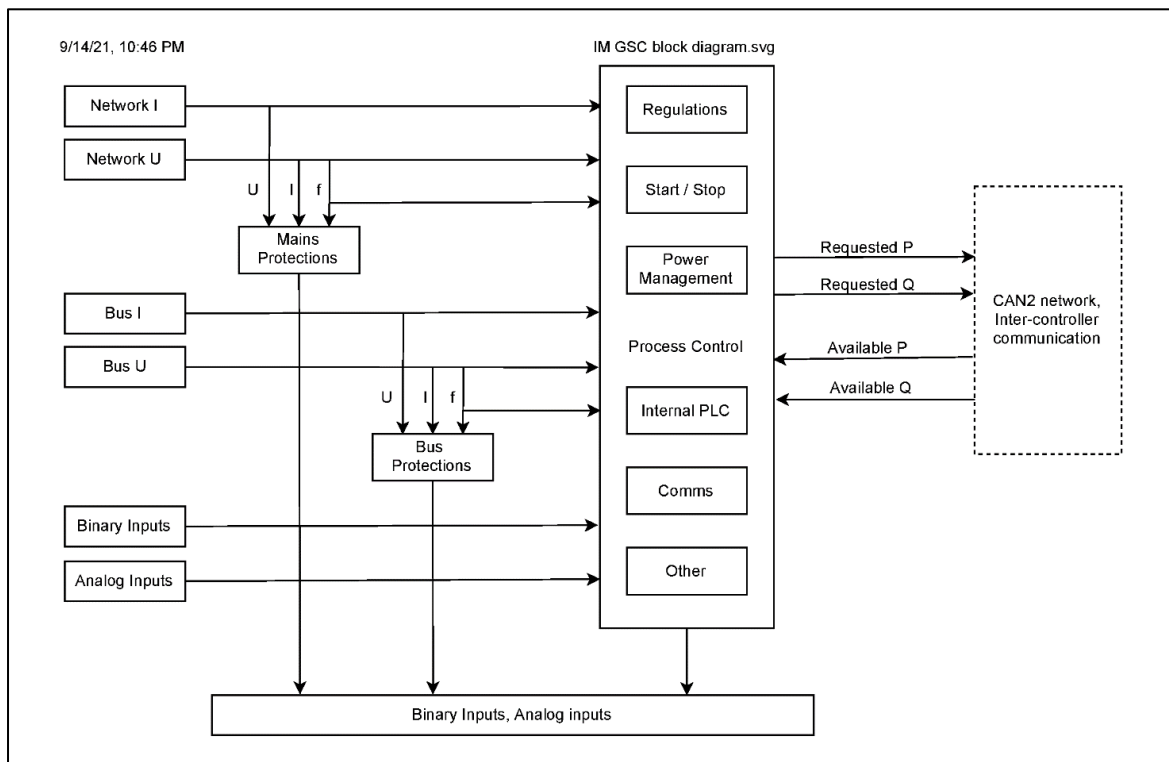


Among other things, it is possible to operate the generator in the stand-alone grid as well as in parallel with the grid.

Only the grid-parallel operating mode was considered in this declaration of conformity.



Block diagram



Test overview

The controller was tested with a "starter kit" simulation setup, in which the various feed-back signals were implemented via switches and potentiometers in order to simulate realistic operation. Only the manipulated variables were measured and not their controlled variables. This means that the control loops for active and reactive power were not closed (open loop).

OVE-Richtlinie R 25 Ausgabe 2020-03-01		
Clause	Test	Result
5.3.2	Measurement of active and reactive power range	P
5.3.6	Active power reduction following voltages changes P(U)	P
5.3.9	Reactive power control by setpoint Q fix	P
5.3.10	Voltage dependent control functions Q(U) and P(U)	P