



RGK 600



RGK900

Automatic mains failure (AMF) gen-set controllers

- Automatic starting of generator and load switching to stand-by emergency source in case of mains failure
- Supervision in “open transition” for contactors, motorised circuit breakers and changeover switches
- Engine protection
- Programmable inputs and outputs
- Programmable alarm properties

type	digital inputs	digital outputs	description
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RGK600 series *144 x 144 mm panel mounting*

- Universal supply: 12 / 24 VDC
- Display: Graphic LCD 128 x 80 pixels with backlight
- Measurement voltage: 100 - 480 VAC
- Current Input: 3PH, /5A or /1A
- Single, two and three phase voltage control - L1-L2-L3-N
- IR programming port on front panel for communication with PC
- 3 analog resistance input for oil pressure, engine temperature or fuel level control
- Customisable alarm text (*8 alarms*)
- Non-volatile memory for event storage
- Modbus-RTU and Modbus-ASCII protocols

RGK600	4	6	stand alone gen-set controller with “W” or magnetic “pickup” for engine speed reading (no CANbus)
RGK601	4	6	stand alone gen-set controller with CANbus-J11939 (no “W” or magnetic “pickup”)
RGK610*	4	6	stand alone gen-set controller (1 exp. slot) with “W” or magnetic “pickup” for engine speed reading (no CANbus)

* 1 slot to accept plug-in expansion modules EXP1010/1011/1012

RGK700 series *180 x 240 mm panel mounting*

As above RGK600 but with following additional features:

- Measurement voltage: 30 - 600 VAC (*programmable VT ratio*)
- IR programming port on front panel for communication with PC
- PLC logic for inputs, outputs and internal status
- RS232 communication port

RGK700	6	7	stand alone gen-set controller
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RGK800 series *180 x 240 mm panel mounting*

As above RGK700 but with following additional features:

- RS485 communication (no RS232 port)
- Neutral current measurement range: 0.050...6A or 1.2A
- 400Hz frequency support
- 1 programmable analog input
- Modbus-TCP communication protocol
- Current leakage control
- RTC clock-calendar
- Expandable with rear plug-in expansion modules (*see page F-5*)

RGK800	8	10	full featured stand alone gen-set controller
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Paralleling controllers for mains - mains and generator - generator

- Mains-generator “closed transition” synchronising
- Mains-generator load sharing with source peak demand control
- Engine protection
- Generator paralleling supervision (*island mode with load sharing*)

RGK900 series *180 x 240 mm panel mounting*

As above RGK800 but with following additional features:

- Voltage measurement range: 30-720 VAC
- Frequency measurement range: 45...65Hz or 360...440Hz
- Display: Graphic LCD 128 x 112 pixels with backlight
- Customisable alarm text (*16 alarms*)
- Modbus-RTU, Modbus-ASCII and Modbus-TCP communication protocols
- 2 analog outputs for engine speed control (*governor*) / voltage regulator (AVR)
- Built-in buzzer, multi-level passwords, sleep function
- Expandable with rear plug-in expansion modules (*see page F-5*)

RGK900SA	13	10	full featured stand alone gen-set controller
RGK900	13	10	mains-generator paralleling control

Control of mains, automatic transfer switching and paralleling on multiple generators controlled by RGK900SA

RGK900MC	13	10	Mains-ATS (<i>Automatic Transfer Switching</i>) controller
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