



Comparison table for gen-set controllers

- Alphanumeric display
- Graphic backlit LCD
- Programmable and customisable inputs, outputs, alarms
- Set-up and status supervision with remote control software
- TRMS measurement of voltage values
- RS232 communication port



Models	Manual Control		AMF Automatic Mains Failure Control			
	RGK20 (72x72mm)	RGK40 (96x96mm)	RGAM10 (96x96mm)	RGAM20 (96x96mm)	RGAM12	RGAM24
Description	Engine protection	Manual start	Gen-Set controller with AMF	Gen-Set controller with AMF	Gen-Set controller with AMF	
Power supply	9...35VDC		9...35VDC		9...16VDC	13...32VDC
Power key switch	•		-	-	-	
Display	7 digit LCD	LED 4 digits 7 segments	LED 4 digit alphanumeric characters		LED 3 digits 7 segments	
Numbers of Keys / LEDs	1 / 7	3 / 17	6 / 16	8 / 19	9 / 16	
Mains control	-	-	L1-L2-L3	L1-L2-L3	L1-L2-L3	
Generator control	-	L1-L2-L3	L1-L2	L1-L2	L1-L2	
Rated voltage control	-	100...415VAC	100...415VAC	100...415VAC	100...480VAC	
Frequency control input	•	-	-	-	-	
Current control	-	1 phase	-	-	-	
Engine running detection inputs	W-AC+D	W-AC+D	AC+D	W-AC+D	AC+D	
Engine running Pick-Up input	-	-	-	-	-	
Analog inputs	-	-	-	-	-	
Digital inputs	4	6	4	6	8	
Relay output	-	1	5	6	7	
Static outputs	3	4	-	-	-	
I/O expansion	-	-	-	-	-	
RS232 interface	• (1)	• (1)	•	•	•	
RS485 interface	-	-	-	-	•	
Remote control (3)	-	-	-	•	•	
CANbus J1939 interface	-	-	-	-	-	
Events log and data recording	-	-	-	• (2)	• (2)	
RTC (Real Time Clock)	-	-	-	-	-	
Number of parameters	-	-	110	163	80	
Number of I/O functions	-	-	25	50	8	
Number of alarms / User alarms	5/-	8/-	18/-	31/4	17/4	
Alarm property customising	-	-	-	•	-	
Alarm, event and parameter text	-	-	•	•	-	
Number of languages	-	-	1	5	-	
User alarm text customising	-	-	-	-	-	
Alarm/parameter text customising	-	-	-	-	-	
Price	1930.00	3390.00	3490.00	4990.00	8870.00	

(1) Special TTL / RS 232 for fast set-up (use cable 51C11)

- multivoltage power supply 9-35VDC
- key-start facility
- engine monitoring

(2) Data in volatile memory accessible by PC only

- economic AMF controller
- 4 digit LED display
- programmable input/outputs
- RGAM20 remote supervision
- quick step-up via RS232 port

(2) Data in volatile memory accessible by PC only

- standard controller
- 3 digit LED display
- 8 digit inputs
- 7 relay outputs
- RS485 interface



AMF Automatic Mains Failure Control

RGAM40	RGAM41	RGAM42	RGK50	RGK60
Gen-Set controller with AMF	Gen-Set controller with AMF	Gen-Set controller with AMF	Gen-Set controller without AMF	Gen-Set controller with AMF
9...35VDC	9...35VDC	9...35VDC	9...35VDC	9...35VDC
-	-	-	-	-
Graphic LCD 128x64 pixels	Graphic LCD 128x64 pixels	Graphic LCD 128x64 pixels	Graphic LCD 192x64 pixels	Graphic LCD 192x64 pixels
12 / 9	12 / 9	12 / 9	14 / 8	15 / 10
L1-L2-L3-N	L1-L2-L3-N	L1-L2-L3-N	-	L1-L2-L3-N
L1-L2-L3-N	L1-L2-L3-N	L1-L2-L3-N	L1-L2-L3-N	L1-L2-L3-N
100...480VAC	100...480VAC	100...480VAC	100...480VAC	100...480VAC
-	-	-	-	-
3 phases	3 phases	3 phases	3 phases	3 phases
W-AC+D	W-AC+D	W-AC+D	W-AC+D	W-AC+D
●	●	●	●(option card)	●(option card)
Temp.- Pressure - Level	Temp.- Pressure - Level	Temp.- Pressure - Level	Temp.- Pressure - Level	Temp.- Pressure - Level
8	8	8	12	12
7	7	7	7	7
-	-	-	-	-
-	-	-	(option card)	(option card)
●	●	●	●	●
-	●	-	●(option card)	●(option card)
●	●	●	●	●
-	-	●	●(option card)	●(option card)
●	●	●	●(4)	●(4)
●	●	●	●(option card)	●(option card)
177	177	177	161	182
67	67	67	67	71
43/4	43/4	43/4	45/8	47/8
●	●	●	●	●
●	●	●	●	●
5	5	5	5	5
●	●	●	●	●
-	-	●	●	●
7050.00	7800.00	8800.00	8460.00	8780.00

(2) Data in volatile memory accessible by PC only

- "comprehensive" genset controller
- overload protection
- 128 x 64mm graphic backlit LCD
- 8 digital inputs
- 7 relay outputs
- RGAM42 CANbus-J1939 + RTC communication
- 255 Events log

(4) Events and Data in non-volatile memory accessible by key board and PC

- "full feature" genset controller
- RGK50 excludes mains monitoring
- 194 x 64mm graphic backlit LCD
- 12 digital inputs
- 7 relay outputs
- expansion slots
- on-line help