

Remote access devices



RGK 800 RD



RGK RA



Order code	Description	Qty per pkg	Wt
		n°	[kg]
RGK 800 RD SA	Remote display panel for RGK 800SA, 12/24VDC, IP65 protection degree	1	0.820
RGK 800 RD	Remote display panel for RGK 800, 12/24VDC, IP65 protection degree	1	0.820
RGK 900 RD SA	Remote display panel for RGK 900SA, 12/24VDC, IP65 protection degree	1	0.980
RGK 900 RD	Remote display panel for RGK 900, 12/24VDC, IP65 protection degree	1	0.980
RGK RA	Remote annunciator, graphic LCD, touch screen 128x112 pixels, IP54 protection	1	0.360

Remote display panel characteristics

For remote controller supervision and viewing, the user operates the remote display panel as if directly in front of the generating set.

- 12/24VDC battery power supply
- Graphic LCD with backlight:
 - 128x80 pixels for RGK 800...
 - 128x112 pixels for RGK 900...
- 13 function and setting keys
- 10 Indication LEDs for operating modes and status
- Built-in buzzer
- 4 digital inputs
- 2 digital outputs
- Conductor cross section: 0.2-2.5mm² (24-12 AWG; 18-12 AWG per UL/CSA)
- Tightening torque: 0.56Nm (4.5lbin)
- Front degree of protection: IEC IP65; UL/CSA Type 4X outdoor enclosure installation
- Serial interface ports: opto-isolated RS485 (RGK...RD); CANbus-J1979 (RGK...SA).

Remote annunciator characteristics

Alarm conditions can be viewed on the remote display and alarm silencing can also be activated.

- Dual 100-240VAC / 12-24VDC power supply
- Touch screen 120x112 pixel backlight graphic LCD
- Built-in buzzer
- Static (SSR) output for global alarm signalling
- Opto-isolated RS485 interface port
- Conductor cross section: 0.2-2.5mm² (24-12 AWG; 18-12 AWG per UL/CSA)
- Tightening torque: 0.56Nm (4.5lbin)
- Front degree of protection: IEC IP54; UL Type 1.

Alarm-status relay unit characteristics

External relay expansion unit for alarm and status remoting.

Fixing on 35mm DIN rail (IEC/EN 60715).

Communication with RGK... controllers by CANbus or pulse inputs:

- 12 relay outputs of which 5 with changeover (SPDT) contact rated 5A 250VAC / B300 and 7 N/O (SPST) contact rated 2.5A 250VAC / C300
- 12/24VDC power supply
- Up to 2 RGK RR units can be connected in cascade for a total of 24 relays
- Maximum installation distance from the RGK 6... and RGK 700... RGK 900 controllers:
 - CANbus: 30m/33yd (high speed)
 - Inputs/Outputs: 1,000m/1,094yd (low speed)
- Conductor cross section: 0.2-2.5mm² (24-12 AWG)
- Tightening torque: 0.56 Nm/4.5lbin.

Certifications and compliance

Certifications obtained: EAC; UL Listed, for USA and Canada (cULus – File E93601), as Auxiliary Devices, Generator controllers remote and relay units for all except pending for RGK900... types.

Comply with standards: IEC/EN 61010-1, IEC/EN 61000-6-2, IEC 61000-6-3, UL508, CSA C22.2 n° 14.

For wiring schemes and technical characteristics, refer to technical instructions in Downloads of local or global website or consult Customer Service; see contact details on inside front cover.

Alarm-status relay unit



RGK RR

Order code	Description	Qty per pkg	Wt
		n°	[kg]
RGK RR	Remote unit for alarms/status, 12/24VDC, 12 relay outputs, pulse input, CANbus communication port	1	0.420

Communication devices for RGK 600... - RGK 700... RGK 800... - RGK 900...



CX 01



CX 02



CX 03

Order code	Description	Qty per pkg	Wt
		n°	[kg]
CX 01	USB/optical dongle with PC<->controller connecting cable for programming, data download, diagnostics and firmware upgrade	1	0.090
CX 02	Wi-Fi dongle for PC <-> controller programming, data download, diagnostics and firmware upgrade, project upload/download and controller cloning	1	0.090
CX 03	GSM/GPRS quad-band antenna (800/900/1800/1900MHz) for EXP10 15 expansion module for RGK 800... - RGK 900...	1	0.090

General characteristics

Communication and connection devices for generating set controllers RGK 600-RGK 700-RGK 800-RGK 900... for personal computers, smartphones, tablets, modems, bus drives.

CX 01

The USB/optical connector, complete with cable, allows to connect RGK 600-RGK 700-RGK 800-RGK 900... controllers to a PC without having to disconnect the power supply from the electric panel and to carry out parameter programming, data and event download, diagnostics and firmware upgrade.

The PC identifies the connection as a standard USB.

CX 02

By Wi-Fi connection, RGK 600..., RGK 700..., RGK 800... and RGK 900... controllers can be viewed by PC, smartphone and tablet with no need for cabling and to carry out parameter programming, data and event download, diagnostics project upload/download and controller cloning.

CX 03

Compatible with the major part of worldwide mobile networks thanks to the available frequencies at 800/900/1800/1900MHz.

IP67 IEC protection degree. Fixing by Ø12mm/0.04" drilling.

For wiring schemes and technical characteristics, refer to technical instructions in Downloads of local or global website or consult Customer Service; see contact details on inside front cover.

Accessories



51 C4

Order code	Description	Qty per pkg	Wt
		n°	[kg]
Connecting cables.			
51 C2	For PC <-> controller, 1.8m/2yd long	1	0.090
51 C3	For PC <-> GSM modem 1.8/2yd long	1	0.210
51 C4	For PC <-> RS232/RS485, converter drive, 1.8m/2yd long	1	0.147
51 C11	For PC <-> TTL/RS232 communication port 2.8m/3yd long	1	0.090
RS232/485 converter drive.			
4 PX1	Opto-isolated, 220-240VAC power supply (110-120VAC on request) ①	1	0.600
For RGK 600... and RGK 601... controllers.			
RGK X00	IP65 gasket seal for internal display frame	1	0.100



① RS232/RS485 opto-isolated converter drive, 38,400 Baud rate maximum, automatic or manual TRANSMIT line supervision, 220-240VAC ±10% (110-120VAC supply on request).

General characteristics

CONNECTING CABLES 51 C...

They are used to link the RGK... controllers to personal computers, modems, bus converters.

RS232/RS485 CONVERTER DRIVE

It can interface "slave" devices connected in an RS485 bus with a "master" equipped with RS232 interface port. When configured appropriately, it can also be used as RS485 repeater whenever the devices connected to the bus are many or the maximum distance among the bus devices is longer than the allowed.

GASKET SEAL

To increase the protection degree of RGK600/610 types to IEC IP65, the gasket needs to be installed in the fixing slot on the inside surface of the display frame.