GenOnCall® GC4K-E

Auto Start Genset Control & Protection Module for Electronic J1939 Engine

Features

- 7-inch IPS display panel with resolution 1280 x 800 and front panel meets IP65
- User-friendly, intuitive touch-screen interface to input all settings
- Integrated, modular design control panel with Mode Selector Switch, Emergency Stop Button, and Alarm Speaker
- Digital and Analog gauge displays for all electrical parameters
- Wi-Fi, 3G/4G Mobile Router and physical Ethernet network connections
- Free iOS and Android GenOnCall® App download enables remote operation, monitoring and configuration for smart phone or tablet
- Choice of Chinese, English, Spanish language display
- Engine Start Voice Warning broadcast in ten most common languages – also allows for user recorded engine start voice warnings
- Free online updates of controller firmware and GenOnCall® apps
- Provides generator location services (GPS)
- Push notification for Engine Start / Stop and Fault Alarms – records up to 250 events
- Real-time graphic display of AC current and voltage curves
- Transfer Settings function (dump function) eliminates need to program each controller individually

GC4K-E   GC4K-D07

GCU-4K
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- Supports Modbus / SNMP / RS-485 protocols (via optional modules)
- Allows for one Operator and up to seven Viewers to connect simultaneously for remote monitoring and control
- Battery power removed and Genset position Shifted alarm for theft alert
- Two user-defined outputs and inputs for control or protection
- Displays up to 53 electronic engine control ECU (SAE J1939) parameters

System Protections and Fault Alarms

- Full phase Over Voltage / Under Voltage and lost phase
- Current overload
- High Coolant Temperature
- Low Oil Pressure
- Engine Over Speed / Under Speed protection
- Low Fuel Level
- Charging Alternator failure
- Battery abnormal voltage
- Scheduled Maintenance notification
- Emergency Stop alarm
- Wi-Fi signal strength too low warning
- User-defined input
- ECU (SAE J1939) Communication Failure

Color Touch-screen Displayed Parameters

- AC power parameters – $V_{(RMS)}$, $A_{(RMS)}$, Hz, KW, KWH, KVA, KVAR & PF
- Operating Hours / Maintenance Hours / DC Battery Voltage
- Operating Temperature (˚C or ˚F), Oil Pressure (PSI or Bar) and Fuel Level (%)
- Real-time graphic displays of current and voltage power quality
- Records up to 250 events – Engine Start / Stop and all Fault Alarms
- Genset GPS location map (only on remote monitoring app)
- Displays electronic engine control unit ECU (SAE J1939) parameters

Specifications

DC Supply	9 to 40 Vdc	**Static Power Consumption**	GC4K-E: below 1W
AC Voltage Input	15 to 500 Vac (Phase to Phase)		GC4K-D07: below 3W
AC Voltage Frequency	50/60 Hz	**Current Transformer (CT)**	25 to 3000A / 5A or 1A
USB	USB 2.0		Rated burden greater than 2.5 VA

Environment

Operating Temperature	-20 to +60 ˚C
Relative Humidity	Max. 95%
Maximum Vibration	5.0 Gs @ 60 Hz

Physical Specifications

GC4K-E	274.0 (L) x 160.0 (W) x 53.0 (H) mm	480 g +/-2%
GC4K-D07	233.0 (L) x 202.0 (W) x 82.0 (H) mm	730 g +/-2%
GC4K-D10	400.0 (L) x 242.0 (W) x 78.0 (H) mm	820 g +/-2%

Standard Accessories

GC4K-D07 Operator Display	x 1
GC4K-E Control Unit	x 1
A-type USB Cable (1 meter)	x 1
DB9 Cable (1 meter)	x 1
Mounting Screws	x 1
User Manual DVD	x 1

Optional Accessories

ModBus Communication Module (KCU-05)	
SNMP Communication Module (KCU-06)	

ISO 9001
ETC