



Automation & Control Pvt. Ltd.

GCU 107



Generator Controller Unit

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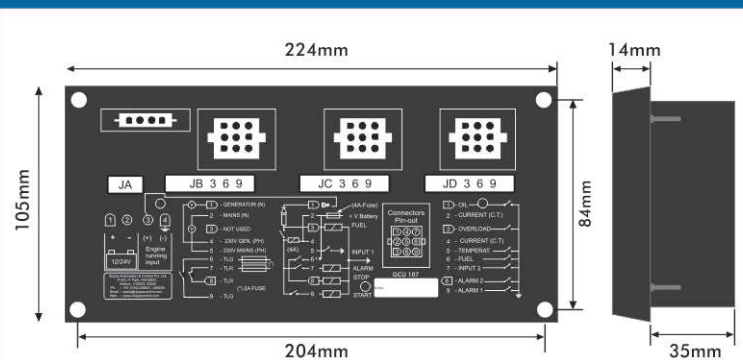
GCU 107 provides inexpensive A.M.F and generating set control & monitoring with digital accuracy. This microprocessor based controller includes 6 push buttons, 24 LED lamps, 4-digit display, 6 relay outputs, 8 digital inputs, 5 analogue inputs, 37 programmable parameters, Hour-Meter, Digital Calibration, LED Alarm Indications

GCU 107 MODULE PARAMETER

1	Start Delay
2	Mains Restore Time
3	Mains Under Volt.
4	Mains Over Volt.
5	Warm Up Time
6	Cool Down Time
7	DG Under Volt
8	DG Over Volt
9	Dg Under Freq.
10	DG Over Freq.
11	CT ratio
12	DG Over Load
13	DG Fail Alarm
14	Glop/Chock Time
15	Crank Time
16	Engine Running Trigger
17	Rest Time
18	Crank Attempts
19	LLOP, Tem, Alarm 1 Bypass Time
20	Stop Time
21	Horn Time
22	JC 7 O/P Control
23	I/P 1 Control
24	Belt Break Control
25	Temp. S/W
26	Alarm 2 S/W
27	Auto Periodic Test
28	Test Time Duration
29	RPM Selection
30	Contactor Control
31	Fail to Stop Control
32	LLOP S/W
33	Crank Disconnect DG Volt
34	DG Run Time
35	DG Rest Time
36	Fuel Type
37	Low Battery Volt.

Rear View

Side View



TECHNICAL DATA

JA1	+V Battery (Supply)
JA2	-V Battery (Supply)
JA3	Charge Control Input
JA4	Charge Control Input
JB1	Generator Voltage Input
JB2	Mains Voltage Input
JB3	Not Used
JB4	Generator Voltage input
JB5	Mains Voltage input
JB6	KG Relay Output (n.o)
JB7	KM Relay Output (n.c)
JB8	KM Relay Output (n.c)
JB9	KG Relay Output (n.o)
JC1	Charger Excitement Output
JC2	+V Relay Contact Supply
JC3	Fuel Solenoid Output
JC4	Not Used
JC5	Mains Simulation/Test Switch Input
JC6	Stop Solenoid Output/Dry Contact
JC7	Alarm/Preheat/Choke Relay Output
JC8	Stop Solenoid Output/Dry Contact
JC9	Start Relay Output
JD1	Oil Pressure Contact Input
JD2	Current Transformer Input
JD3	Over load Relay Input
JD4	Current Transformer Input
JD5	High Temperature Switch Input (Note)
JD6	Low Level Fuel Switch Input
JD7	Remote Lock Switch Input
JD8	Alarm2 Switch Input (Note)
JD9	Alarm1 Switch Input

Note:- The Polarity of Switch is Programmable

SPECIFICATIONS:-

- **DC Supply:**
Battery plant: 12V-30VDC / 250mA Max
Reverse Polarity Protected
- **Mains / Generator Input Voltage Range:**
24 Vac up to 500Vac
- **Operating Temperature Range / Humidity:**
30°C to +70°C / 0-95% non condensing
- **DIN Size / Cut Out:**
DIN 492X96 (Double Size 96X96)/ 190mm X 93mm
- **DC Relay Outputs:**
4 Amps dc at supply voltage (total current of the Outputs)
- **AC Relay Outputs:**
8 Amps / 250Vac (external 1A Fuses are required)
- **Shipping Weight / Box Dimensions:**
350Gr. / 245mm X 135mm X 60mm



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