

General Description

GCU-104 is a 3- Phase Automatic / Manual Generator Controller Module including Protection for (STANDBY) GEN - SETS. it uses an advanced single chip microcomputer for an easy and trouble free GEN-SET control in case of mains power failures. If mains fail (over/under voltage. loss of mains voltage), GCU-104 initiates an automatic GEN-SET start cycle including load transfer to generator by switching the generator contactors. After the main is restored the load will be automatically transferred back to mains & the GEN-SET will stop after a cool down time. During all cycles, generator is fully protected against malfunction. All alarms occurring at abnormal GEN-SET conditions are computed displayed either by LED or by LCD Display and if necessary the GEN-SET gets stopped.

Values of over/under voltage. frequency and overload current, cooling down time is programmable. The CGU-104 has 30 powerful programmable parameters to fit the program flow to customer needs.



GCU 104

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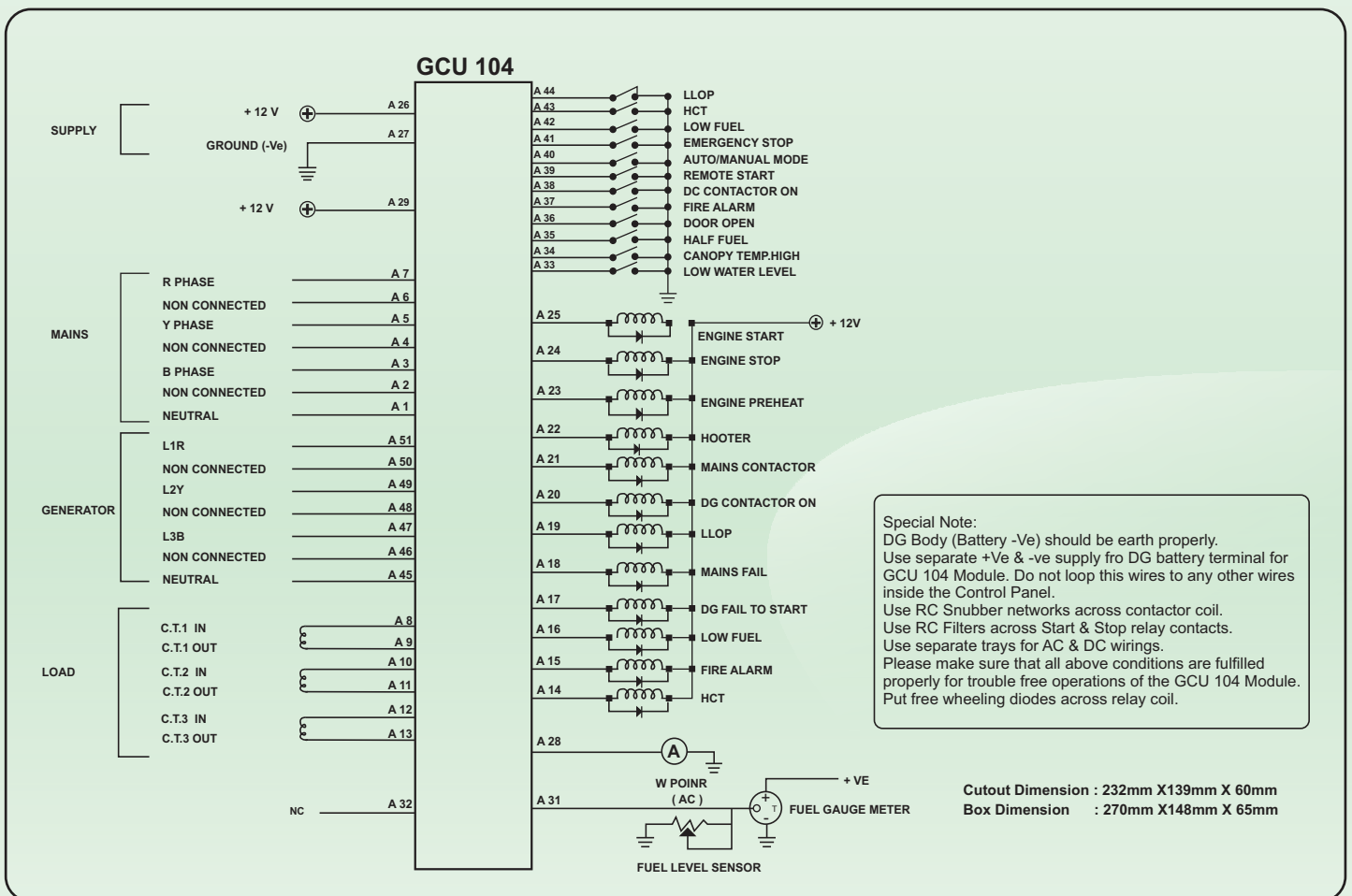
FEATURES

- ❑ Display of Generator Phase 1,2,3 Voltages.
- ❑ Display of Mains Phase 1,2,3 Voltages.
- ❑ Display of Date and Time, Load Current.
- ❑ Display of Mains and DG KWH
- ❑ Display of Power Factor of R,Y,B
- ❑ Display of DG Log dat, fault log data, KWH Log Register.
- ❑ 30 Programmable Parameters. (Programming Protected with Password)
- ❑ Current transformer ratio programmable.
- ❑ Site Code & Sites ID is Programmable.
- ❑ 12 Digital inputs. 12 relay outputs.
- ❑ Relay outputs for mains and generator contactor.
- ❑ Total Mains, DG run hours counter.
- ❑ Display of Load current.
- ❑ DG Run time & Rest time programmable.
- ❑ Service Due Message Provision,
- ❑ TCP/IP Protocol for Measuring and Monitoring the Parameters.

GENERAL CHARACTERISTICS-

SUPPLY	8 - 16 Volts reverse polarity protected
CURRENT TRANSFORMER	5 Amps.
VAC INPUT RATINGS	90-300V @ 50Hz.
VAC MAXIMUM OVER VOLTAGE	600V
SOLID STATE OUTPUT	500 mA
DIGITAL INPUTS	16V Dcmax / Engine Ground
WEIGHT	800 gms.
OPERATING TEMPERATURE	0 to 70 Degree Cent.
DISPLAY ACCURACY	+/- 2% of F.S.D
WARRANTY	1 Year
BOX DIMENSION	270mmX148mmX65mm
CUTOUT DIMENSION	232mm X 139mm

ELECTRICAL DRAWING-



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* Due to continuous product improvements specs. are subject to change without notice.