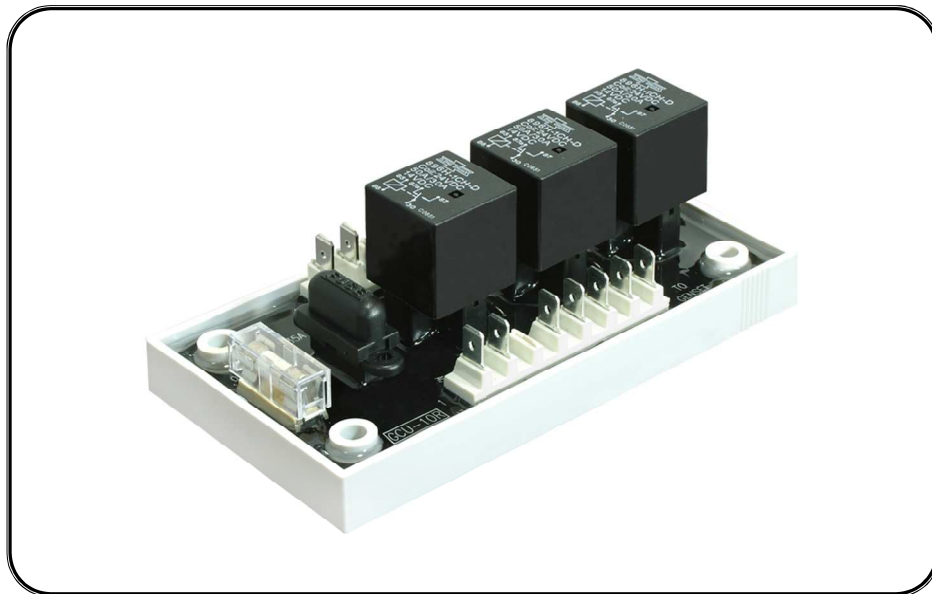


GCU-10R (12/24V)

Prewired Relay Module



Optional Accessory to Save Time in Wiring the Control Panel



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GCU-10R PREWIRED RELAY MODULE

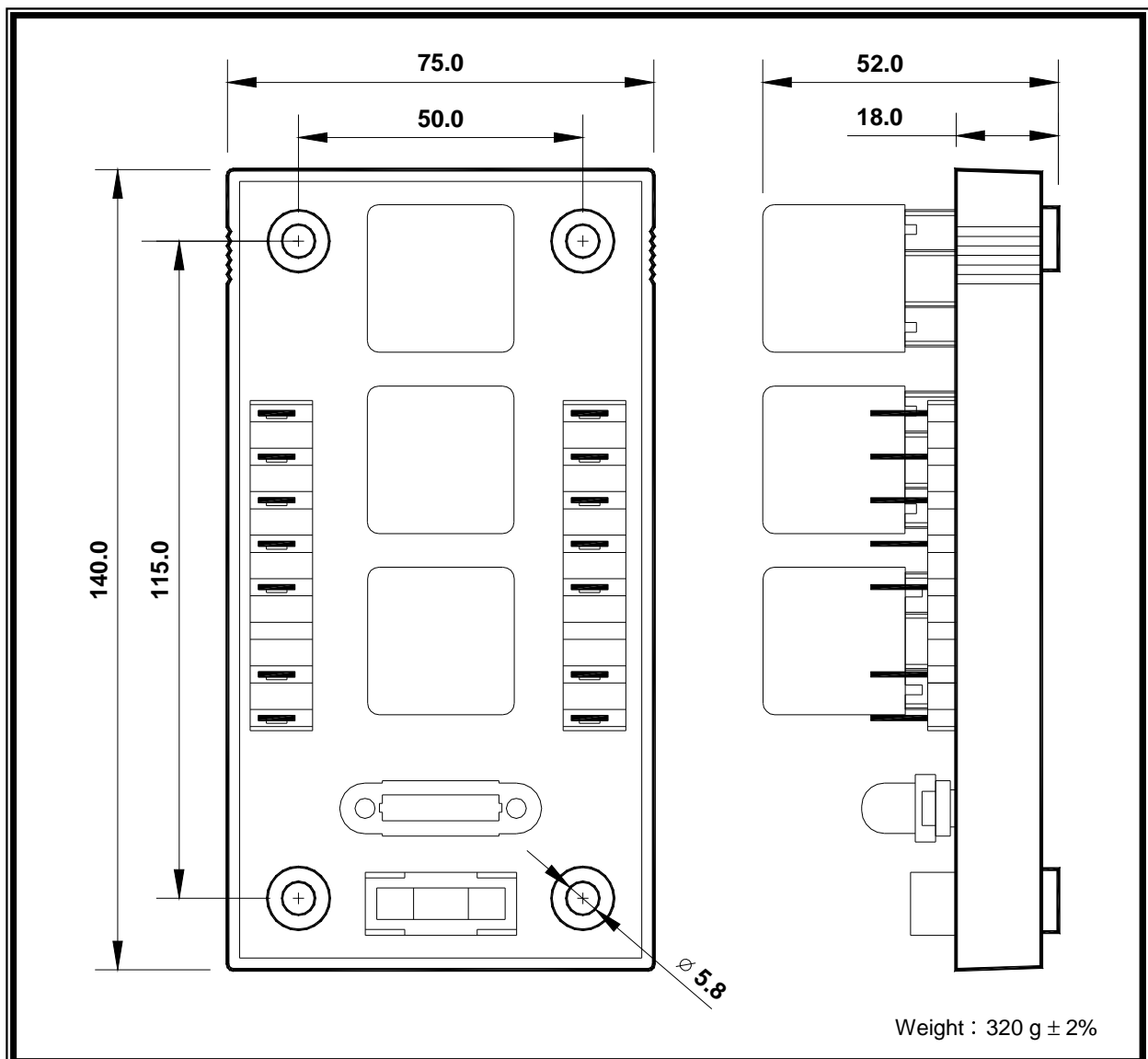
1. INTRODUCTION

GCU-10R Relay Module is designed to simplify wiring between the GCU-10 control module and the genset. The Module is ready with male spade terminals; fuses and power relays. The power relays are used in the high current Preheat, Start, and Stop circuits.

GCU-10R saves time and money when wiring the control panel. The working voltage can be changed from 12VDC to 24VDC by changing the relays. The relay module is also compatible with other Engine Control Systems.

The Module is insulated with high anti-corrosion epoxy, suitable for use in the hostile environment inside the genset control panel.

2. GCU-10R OUTLINE DIMENSION



3. GCU-10R TERMINAL DESCRIPTION

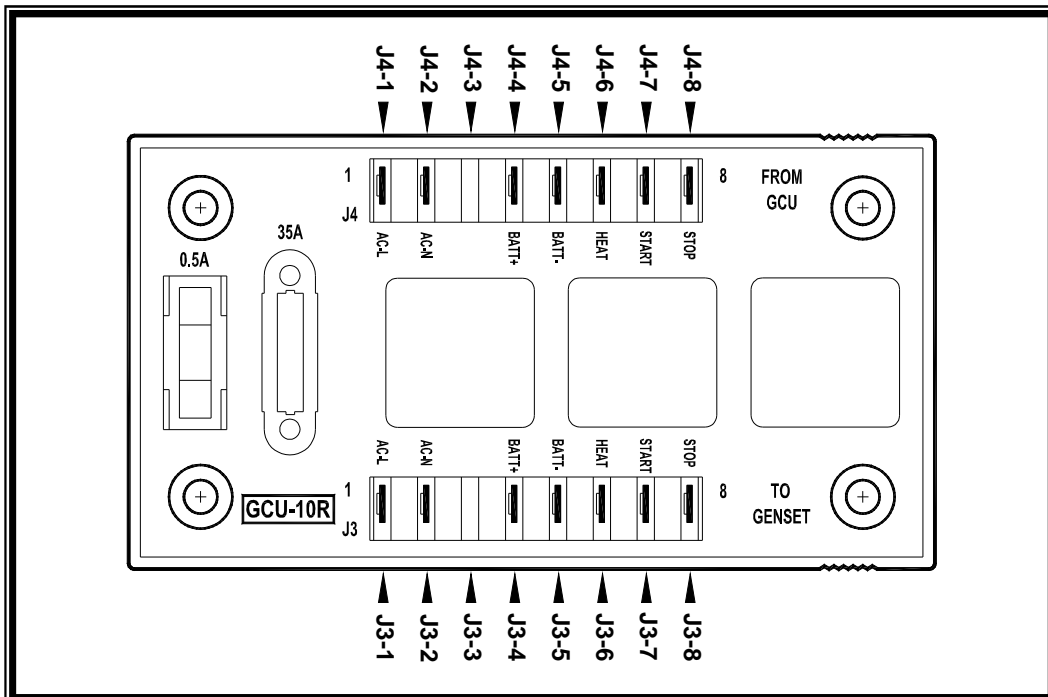
3.1 EXTERNAL WIRING TERMINAL J3

PIN NO.	DESCRIPTION	NOTES
J3-1	AC Sensing Input (L)	Connect to Alternator Phase L (5~300VAC Rated)
J3-2	AC Sensing Input (N)	Connect to Alternator Phase N (5~300VAC Rated)
J3-3	Not used	
J3-4	DC Supply Input (+V)	Connect to Battery Positive (+V)
J3-5	DC Supply Input (-V)	Connect to Battery Negative (-V)
J3-6	Pre-heat Signal Output (+V)	Connect to Internal Heater (Rated Output 35 Amp)
J3-7	Engine Start Signal Output (+V)	Connect to Starter Motor (Rated Output 35 Amp)
J3-8	Engine Stop Signal Output (+V)	Connect to Fuel Solenoid or Valve Control (Rated Output 35 Amp)

3.2 EXTERNAL WIRING TERMINAL J4

PIN NO.	DESCRIPTION	NOTES
J4-1	AC Sensing Output (L)	Connect to GCU-10 Controller AC Sensing Input (J1-1)
J4-2	AC Sensing Output (N)	Connect to GCU-10 Controller AC Sensing Input (J1-2)
J4-3	Not used	
J4-4	DC Plant Supply Output (+V)	Connect to GCU-10 Controller DC supply Positive Input (J1-6)
J4-5	DC Plant Supply Output (-V)	Connect to GCU-10 Controller DC supply Negative Input (J1-7)
J4-6	Pre-heat Signal Input	Connect to GCU-10 Controller Pre-heat Signal Output (J1-4)
J4-7	Engine Start Signal Input	Connect to GCU-10 Controller Engine Start Signal Output (J2-11)
J4-8	Engine Stop Signal Input	Connect to GCU-10 Controller Engine Stop Signal Output (J2-10)

3.3 GCU-10R TERMINAL DIAGRAM



4. GCU-10 With GCU-10R WIRING DIAGRAM

