



Image shown may not reflect actual configuration

The GCCP1.1 Auto Mains (Utility) Failure Control Module is suitable for a wide variety of single gen-set applications. Whilst maintaining functions included within higher end controllers, such as generator and load power monitoring, the controller provides the user with an outstanding size to feature ratio. Monitoring engine speed, oil pressure, coolant temperature, frequency, voltage, current, power and fuel level, the modules will give comprehensive engine and alternator protection. This will be indicated on the largest back-lit LCD icon display in its class via an array of warning, electrical trip and shutdown alarms.

## FEATURES

- Configurable for use as an auto start and AMF control module
- J1939-75 support and CAN alarm ignore function
- Alternator frequency & CAN speed sensing in one variant
- Large back-lit icon display
- Heated display option
- Real time clock provides accurate event logging
- Fully configurable via the fascia or PC using USB communication
- Extremely efficient power save mode
- 3 phase generator and phase mains (utility) sensing
- Compatible with 600 V ph to ph nominal systems
- Generator/load power, Accumulated monitoring (kW, kV A, kV Ar, pf)
- Generator overload protection (kW)
- Generator/load current monitoring and protection
- Fuel and start outputs (configurable when using CAN)
- 4 configurable DC outputs, Digital inputs
- 3 configurable analogue/digital inputs
- Configurable staged loading outputs

- 3 engine maintenance alarms
- Engine speed protection, hours counter, pre-heat, run-time scheduler, idle control for starting & stopping
- Battery voltage monitoring
- Start on low battery voltage
- Configurable remote start input
- LCD alarm indication
- Event log (50)
- Configurable CAN instrumentation (10)
- Tank bund alarm digital input
- Back-light power-save mode
- Adjustable delay crank timer
- Pre/post heat functionality
- Overload protection
- Mains/generator A/C system selection
- Output timer for external audible alarm

## BENEFITS

- Automatically transfers between mains (utility) and generator
- Hours counter provides accurate information for monitoring and maintenance periods
- User-friendly set-up and button layout for ease of use
- Multiple parameters are monitored simultaneously which are clearly displayed on the large back-lit icon display.
- The module can be configured to suit a wide range of applications
- Compatible with a wide range of CAN engines including Tier 4
- IP65 rating (with optional gasket) offers increased resistance to water ingress

## SPECIFICATIONS

### DC SUPPLY

#### CONTINUOUS VOLTAGE RATING

8 V to 35 V continuous

#### CRANKING DROPOUTS

Able to survive 0 V for 50 mS, providing supply was at least 10 V before dropout and supply recovers to 5 V. This is achieved without the need for internal batteries. LEDs and backlight will not be maintained during cranking.

#### MAXIMUM OPERATING CURRENT

85 mA at 12 V, 96 mA at 24 V

#### MAXIMUM STANDBY CURRENT

51 mA at 12 V, 47 mA at 24 V

### OUTPUTS

#### OUTPUT A (FUEL)

15 A DC at supply voltage

#### OUTPUT B (START)

15 A DC at supply voltage

#### OUTPUTS C & D

8 A AC at 250 V AC (Volt free)

#### AUXILIARY OUTPUTS E, F, G, H, I & J

2 A DC at supply voltage

### MAINS (UTILITY)

#### VOLTAGE RANGE

15 V to 415 V AC (Ph to N)

26 V to 719 V AC (Ph to Ph)

#### FREQUENCY RANGE

3.5 Hz to 75 Hz

### OUTPUTS

#### OUTPUT A, B (FUEL)

10 A short term, 5 A continuous, at supply voltage

#### AUXILIARY OUTPUTS C, D, E & F

2 A DC at supply voltage

### GENERATOR

#### VOLTAGE RANGE

15 V to 415 V AC (Ph to N)

26 V to 719 V AC (Ph to Ph)

#### FREQUENCY RANGE

3.5 Hz to 75 Hz

### DIMENSIONS

#### OVERALL

140 mm x 113 mm x 43 mm

5.5" x 4.4" x 1.7"

#### PANEL CUT-OUT

118 mm x 92 mm

4.6" x 3.6"

#### MAXIMUM PANEL THICKNESS

8 mm, 0.3"

#### STORAGE TEMPERATURE RANGE

-40 °C to +85 °C

-40 °F to +185 °F

#### OPERATING TEMPERATURE RANGE

-30 °C to +70 °C

-22 °F to +158 °F