

## DCP-10

### 3. Description

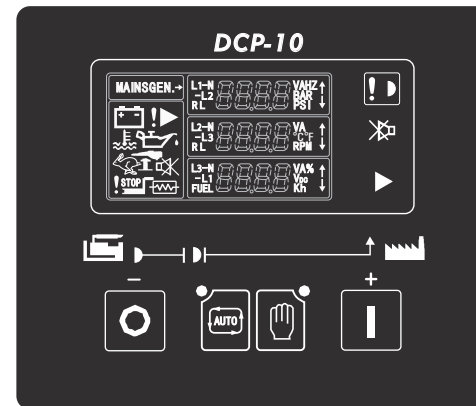
The DCP-10 is an Automatic Controller for generator. When running in "AUTO" mode, it starts the Genset after receiving remote start signal and on failure automatically stops the Genset. The generator's controlling procedure and protection parameters can be modified, which fully meets the Genset's requirements of automatic start, stop control and basic protection.

- The module displays fault conditions, operational status and related metering data on panel LCD.
- LCD has a backlight function so that the operator can read running parameters clearly even in the shadow.
- The controller has 2 modes: AUTO and MANUAL. Either can be chosen through the panel push button.
- Measures and displays generator's output voltage, current, oil pressure, coolant temperature, frequency, DC source voltage, etc.
- True RMS measure of voltage and current, which ensures the data more accurate.
- Control the close/open of generator output switch.
- Equipped with built-in communication interface to configure parameters by PC.
- All connections of controller are by secure plug and socket, for ease and convenience to connect, move, maintain and replace the device.

This manual is only suitable for DCP-10 Automatic control module, user must carefully read this manual first.

## Manual

### DCP-10 Genset Controller



## DCP-10

### 1. Panel Operation

The operation panel consists of 3 sections: LCD display indicating measurement parameters, LED indicator for common failure, and push buttons for Genset and selection of control modes.

The LCD circularly displays different measuring parameters. When failure occurs, LCD displays the corresponding fault icon. LCD also has a backlight so that the operator can clearly read information day or night. After pressing any button the backlight will automatically turn off in a certain time.

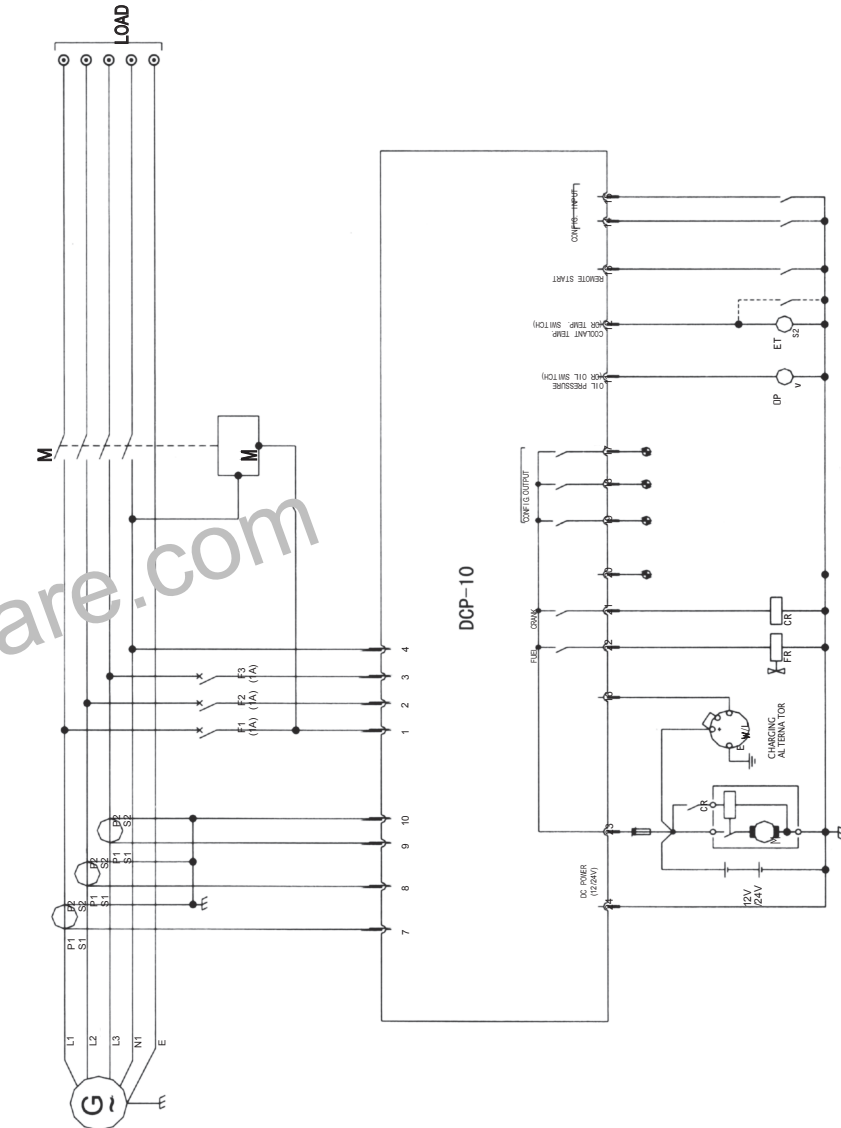
The LCD display and its control push buttons provide a friendly operation interface for the operator to conveniently read information and parameter setting.

#### 1.1 Control buttons and LEDs

Function Description	Tag
<b>Scroll Button</b> Enter into submenu / Modify / confirm modification / scroll menu to display.	
<b>MUTE / LAMP TEST Button</b> When failure occurs, alarm buzzer sounds. Pressing mute button will mute the sound. LCD displays mute icon. Press and hold mute button for 2sec, all LEDs illuminate simultaneously.	
<b>AUTO Mode Button / LED</b> The push button is used for selecting "AUTO mode". When the controller is running in AUTO mode, the LED above the push button illuminated. The activation and deactivation of the "remote start signal input" controls the starting and stopping of the Genset.	
<b>MAN Mode Button / LED</b> The push button is used for selecting "manual mode". When the controller is running in MANUAL mode, the LED above the push button illuminated. The Start and Stop push buttons control the starting and stopping of the Genset..	
<b>START / VALUE INCREASE "+" Push Button</b> The push button is used for manually start the Genset .When the controller is in MANUAL mode, press this push button to start the generator.  When in parameter setting mode, this push button is used to increase values.	
<b>STOP / RESET / VALUE DECREASE "-" Push Button</b> The push button is used for MANUALLY stops the Genset. When the controller is in MAN mode, press and hold this button more than 2sec to stop the Genset.  If failure occurs, press this button, the shutdown alarm lockout can be cleared.  When in parameter setting mode, this push button is used to decrease values.	
<b>COMMON FAILURE LED</b> LED will flash when pre-alarm (Warning) occurs. LED will illuminate permanently when shutdown alarm occurs.	

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### 2. Typical Wiring Diagram



Fuse protection with a rating of 0.5A must be provided externally to the Controller.