

ENCP 7.2

AUTO MAINS FAILURE CONTROL SYSTEM

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Specification Sheet

ELECTRONIL CONTROL PANEL SERIES 7 AMF

ENCP 7.2 Auto Mains Failure Genset Controller



PRODUCT DESCRIPTION

The ENCP 7 Series combines engine, generator and utility controls and monitoring with a single, robust panel for quick access to engine, generator and utility controls, diagnostics, and operating information.

The ENCP 7.2 Automatic Mains Failure Generator Control System is suitable for a wide variety of standby single, diesel or gas, genset applications.

Monitoring an extensive number of engine parameters, the modules will display warnings, shutdown and engine status information on the back-lit LCD screen, illuminated LEDs and remote PC.

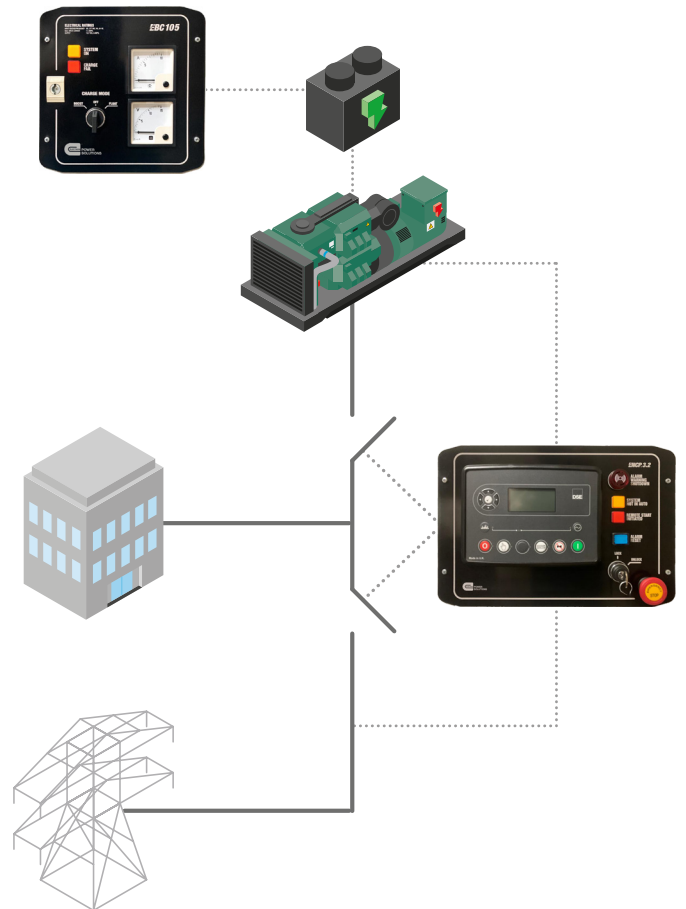
The ENCP 7.2 will also monitor the mains (utility) supply. The systems include USB connection and dedicated terminals for system expansions.

The ENCP 7.2 is compatible with electronic (CAN) and non-electronic (magnetic pick-up/alternator sensing) engines and offer an extensive number of flexible inputs, outputs and extensive engine protections so the system can be easily adapted to meet the most demanding industry requirements.

The extensive list of features includes enhanced event and performance monitoring, remote communications & PLC functionality.

The system can be easily configured using the Configuration Suite PC software. Selected front panel editing is also available.

APPLICATION OVERVIEW



PRODUCT KEY FEATURES

- 4-line back-lit LCD text display.
- Multiple display languages.
- Five-key menu navigation.
- LCD alarm indication.
- Data logging facility.
- Internal PLC editor.
- Protections disable feature.
- Fully configurable via PC using USB communications.
- Front panel configuration with PIN protection.
- Power save mode.
- 3-phase generator sensing and protection.
- 3-phase mains (utility) sensing and protection.
- Automatic load transfer control.
- Generator current and power monitoring (kW, kVA, kVAr, pf).
- Mains (utility) current and power monitoring (kW, kVA, kVAr, pf).
- kW overload alarm.
- Over current protection.
- Breaker control via fascia buttons.
- Fuel and start outputs configurable when using CAN.
- 6 configurable DC outputs.
- 4 configurable analogue/digital inputs.
- Support for 0 V to 10 V & 4 mA to 20 mA sensors.
- 8 configurable digital inputs.
- CAN, MPU and alternator frequency speed sensing in one variant.
- Real time clock.
- Manual and automatic fuel pump control.
- Engine pre-heat and post-heat functions.
- Engine run-time scheduler.
- Engine idle control for starting & stopping.
- Fuel level alarms.
- 3 configurable maintenance alarms.
- Compatible with a wide range of CAN engines, including Tier 4 engine support.
- License-free PC software.
- IP65 rating (with optional gasket) offers increased resistance to water ingress.
- Configurable CAN read & transmitted information.
- 1 alternative configuration.

PRODUCT KEY BENEFITS

- Automatically transfers between mains (utility) and generator for convenience.
- Hour's counter provides accurate information for monitoring and maintenance periods.
- User-friendly set-up and button layout for ease of use.
- Multiple parameters are monitored & displayed simultaneously for full visibility.
- The system can be configured to suit a wide range of applications for user flexibility.
- PLC editor allows user configurable functions to meet user specific application requirements.

OPERATOR INTERFACE

- 4-Line Backlit LCD Text Display.
- LED Status Indicators for Modes of Operation.
- LED for Genset Ready Indication.
- LED Indicator for Loading Status.
- Five Key Menu Navigation Keypad.
- Deferent Modes of Operation (Stop/Manual/Test/Auto).
- Alarm Silence/Lamp Test Buttons.
- Manual Start Button (Active in Manual Mode Only).
- Load Switching Buttons.
- External Alarm Horn with Audible/Flash Indicators.
- External Warning Indicator for Not in Auto Mode.
- External Warning indicator for Mains Abnormal.
- External Alarm Reset Pushbutton.
- System Lock Key Switch.
- External Latching Mushroom Head Emergency Stop (Twist to Release).

OPERATOR INTERFACE DIMENSIONS

