

ENCP 3.3

AUTO START GENERATOR CONTROL SYSTEM

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Specification Sheet

ELECTRONIL CONTROL PANEL SERIES 3 GENSET

ENCP 3.3 Auto & Manual Start Genset Controls



PRODUCT DESCRIPTION

The ENCP 3 Series combines engine and generator controls and monitoring with a single, robust panel for quick access to engine and generator controls, diagnostics, and operating information.

The ENCP 3.3 Generator Control System is suitable for a wide variety of single, diesel or gas, genset applications.

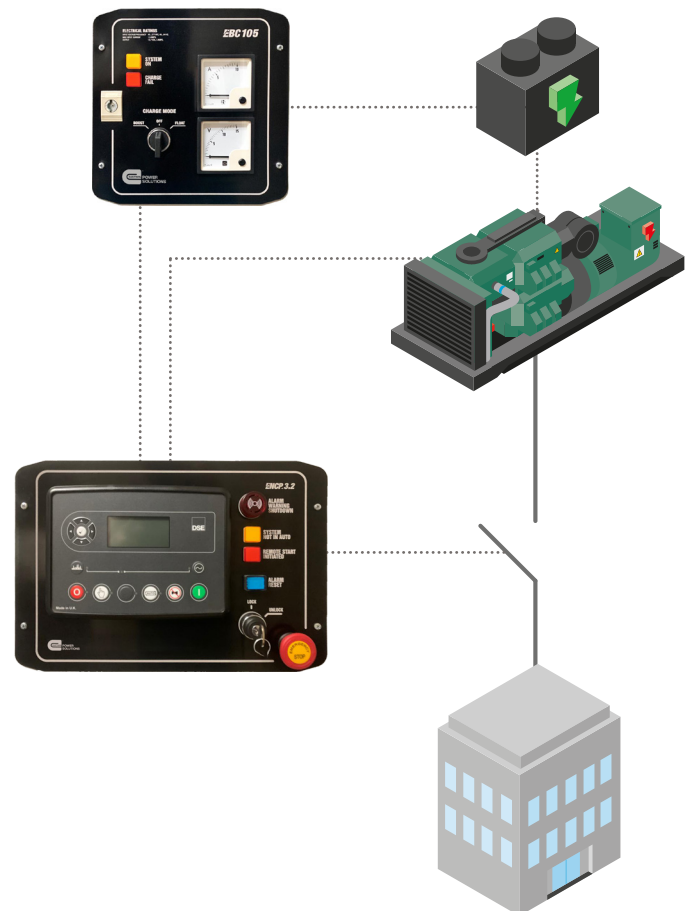
Monitoring an extensive number of engine parameters, the system will display warnings, shutdown and engine status information on the back-lit LCD screen, illuminated LEDs, remote PC and via SMS text alerts (with external modem).

The ENCP 3.3 Include USB, RS232 and RS485 ports as well as dedicated terminals for system expansion.

The ENCP 3.3 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. Dual mutual standby is available Using RS232 or RS485 communications. This provides for a simpler and more convenient installation with more advanced features such as true engine hours balancing.

APPLICATION OVERVIEW



PRODUCT KEY FEATURES

- 4-Line back-lit LCD text display.
- Multiple Display Languages.
- Five key menu navigation.
- LCD alarm indication.
- Heated display option available.
- Data logging facility.
- Internal PLC editor.
- Protections disable feature.
- Fully configurable using USB, RS232 & RS485.
- Front panel configuration with PIN protection.
- Power save mode.
- 3 phase generator sensing and protection.
- Generator current & power monitoring (kW, kVAr, kVA, pf).
- kW and kVAr overload and reverse power alarms.
- Over current protection.
- Unbalanced load protection.
- Independent earth fault protection.
- Breaker control via fascia buttons.
- Fuel and start outputs configurable when using CAN.
- (6) configurable DC outputs.
- (2) configurable volt-free relay outputs.
- (6) configurable analogue/digital inputs.
- (8) configurable digital inputs.
- Support for 0 V to 10 V & 4 mA to 20 mA sensors.
- Configurable 5 stage dummy load and load shedding outputs.
- 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 usage monitor and low fuel level alarms.
- Simultaneous use of RS232 and RS485 communication ports.
- True dual mutual standby using RS232 or RS485 for accurate engine hours balancing.
- MODBUS RTU support with configurable MODBUS pages.
- Advanced SMS messaging (additional external modem required).
- Start & stop capability via SMS messaging.
- (3) configurable maintenance alarms.
- Compatible with a wide range of CAN engines, including tier 4 engine support.
- License-free PC software.
- The system can be integrated into building management systems (BMS) using MODBUS RTU.

PRODUCT KEY BENEFITS

- 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 & 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/Auto).
- Alarm Silence/Lamp Test Buttons.
- Manual Start Button (Active in Manual Mode Only).
- Load Switching Buttons.
- Alarm Horn with Audible/Flash Indicators.
- Warning Indicator for Not in Auto Mode.
- Warning indicator for Remote Start.
- Alarm Reset Pushbutton.
- Genset Lock Key Switch.
- Latching Mushroom Head Emergency Stop (Twist to Release).

OPERATOR INTERFACE DIMENSIONS

