

GENERATORS PARALLEL BUS PARALLELING CONTROLLER

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ENCP™ 9b

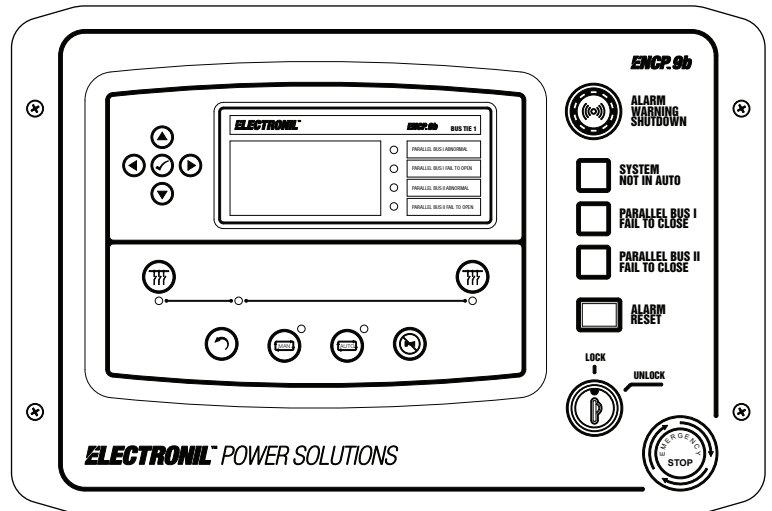


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DESCRIPTION

The ENCP™ 9 Series is an easy to use Auto Start Generator Paralleling Controllers Suitable for use in a multi-generator synchronizing and load sharing system.

The ENCP™ 9 Series features a graphical display with an adjustable backlight as well as an advanced engine monitoring system. These features add to the sense of value and dependability that comes with your purchase of ELECTRONIL™ Products.

The ENCP™ 9b is designed to control a generators bus-tie breaker. The system manages the synchronizing and check-sync across the breaker automatically, when opening or closing the bus-tie breaker.

The ENCP™ 9b has been designed to work with the ENCP™ 9.1 and ENCP™ 9.3 Load Share control modules which support up to sixteen ENCP™ 9bs with no ENCP™ 9.3 or up to two ENCP™ 9bs with one to fourteen ENCP™ 9.3s. This provides a standalone, fully integrated solution, without the need for PLC.

With all communication ports capable of being active at the same time, the ENCP™ 9b is ideal for a wide variety of demanding load share applications.

OPERATOR INTERFACE

- 4-Line backlit LCD text display.
- LED Status Indicators for Modes Of Operation.
- LED for Bus I Ready Indication.
- LED for Bus II Ready Indication.
- LED Indicator for Bus-Tie Status.
- Built in synchroscope with synchronizing check.
- Five Buttons Navigation Keypad.
- Deferent Modes of Operation (Manual/Auto).
- Alarm Silence/Lamp Test Buttons.
- Load Switching Buttons.
- External Alarm Horn with Audible/Flash Indicators.
- Not in Auto Warning Indicator.
- Bus I Fail to Close Warning Indicator.
- Bus II Fail to Close Warning Indicator.
- External Alarm Reset Pushbutton.
- System Lock Key Switch.
- External Latching Mushroom Head Emergency Stop (Twist to Release).

CONTROLLER SPECIFICATIONS

KEY FEATURES

- Comprehensive synchronizing & load share capabilities
- Connects to two MSC links, one for 'bus 1' and another for 'bus 2'
- Advanced integral PLC editor
- (11) Configurable inputs
- (8) Configurable outputs
- User configurable RS232, RS485 and Ethernet communications
- Remote SCADA monitoring via various software applications
- MODBUS RTU & TCP support
- User configurable MODBUS pages
- Advanced SMS control and fault messaging (additional GSM modem required)
- Easy access diagnostic pages including modem diagnostic pages
- Data logging and trending
- Front panel editing with PIN protection
- 4 Line back-lit LCD text display
- LED and LCD alarm indication
- Configurable display languages
- Customizable status screens
- (250) Configurable event log
- Backed up real time clock

KEY BENEFITS

- Automatic control of the other ENCP™ 9 when the breaker is opened/closed for synchronizing
- Instrumentation shows the status and measurements of both buses
- Built-in RS232, RS485 & Ethernet can be used at the same time
- High number of inputs and outputs
- Worldwide Language Support
- Compatible in old load share systems. Contact our Technical Department for further details.
- 132 x 64 pixel ratio display for clarity
- Real-time clock provides accurate event logging
- Ethernet communications, provides advanced remote monitoring at low cost
- Can be integrated into building management systems (BMS)
- License-free PC software
- PLC editor allows user configurable functions to meet specific application requirements

- Some digital inputs, analogue inputs and Digital outputs might be used for the operator interface, Consult our Technical Support Team for the Exact Number of Free Inputs and Outputs.



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Materials and specification characteristics may change without notice.

Dimensions and weights are for preliminary purposes only. Please consult ELECTRONIL™ Technical Support Team for detailed installation drawings.

All information in this document is substantially correct at time of printing and may be altered subsequently.