

**POWER
TRANSFER
SWITCH
CONTROLLER**

www.electronil.com

ENCPTM 6.4

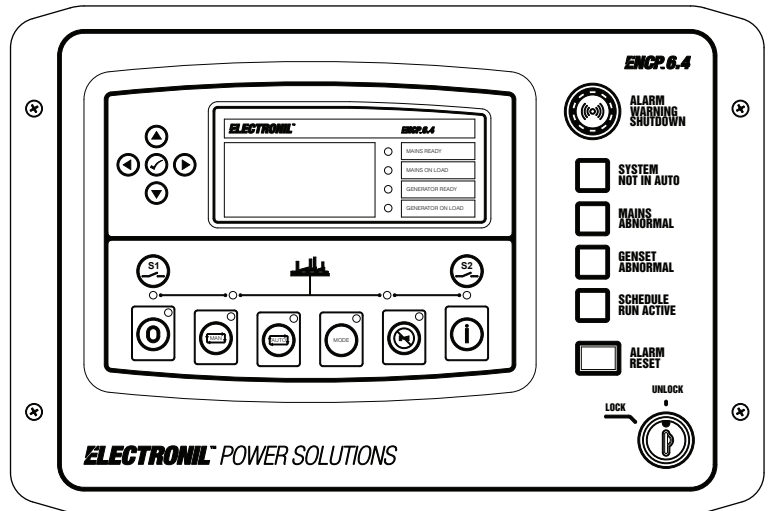


Image for Illustrations Purposes Only, Your Actual Product May Vary.

DESCRIPTION

The ENCPTM 6 Series Power Transfer Switches are designed for a variety of standby power applications. They provide flexibility, reliability and value in a compact package.

The Open Transition Power Transfer Switches will provide fully functioning transfer in applications where a momentary loss of power is acceptable on retransfer from emergency to normal power supply. The ENCPTM 6 Series Power Transfer Switches also permits periodic testing of the emergency source without interrupting power to the loads.

The Closed Transition Power Transfer Switches are designed to Meet application requirements where emergency backup power is required with no momentary loss of power by connecting/short time paralleling both sources before the transfer occurs. Closed transition also permits periodic testing of the emergency power source without interrupting power to the loads.

The Service Entrance Power Transfer Switches are designed to provide standby power emergency power to entire installation loads to protect against utility power interruption; yet allow the ATS to be as close as possible to the point of service entrance. By safely and in code compliance, integrating the necessary overcurrent protection and service disconnecting means into the power transfer switch, a single installation can be made at the service entrance. This design eliminates the need for a separate upstream fault protection and respective interconnections, which in turn reduces installation space, time, and cost. Circuit Breaker based Service Entrance Power Transfer Switches are available from 30A to 4000A.

The ENCPTM 6.4 is a Power Transfer Switch Controller designed to monitor the voltage and frequency of the incoming AC supply from two different sources, which could be from both generator or mains (utility), or a combination of both.

The system will monitor S1 (source 1) and in the event of a failure will issue a start command to S2 (source 2) and control the transfer device to switch the load from S1 to S2. Once the S1 supply returns to within limits, the system will command a load return to S1 and shutdown S2.

Various timing sequences are available to prevent nuisance starting on minor supply breaks.

The ENCPTM 6.4 supports many topologies and features include mains (utility) rated volt-free relays, a clear back-lit LCD 4-line text display, showing system status and warnings and red and green LEDs indicating operational status.

The system includes USB, RS232 and RS485 ports as well as dedicated terminals for system expansion, this gives features such as remote PC monitoring and SMS text alerts (with external modem).

Configurable inputs and outputs make the ENCPTM 6.4 fully flexible to suit a wide variety of applications.

OPERATOR INTERFACE

- 4-line Backlit LCD Text Display.
- LED Status Indicators for Modes of Operation.
- LED for Mains Ready Indication.
- LED for Genset Ready Indication.
- LED Indicator for Loading Status.
- Deferent Modes of Operation (Stop/Manual/Auto).
- External Alarm Horn with Audible/Flash Indicators.
- External Warning Indicator for Not in Auto Mode.
- External Warning indicators for Mains and Genset Abnormal.
- External Warning indicator for Scheduling Run Active.
- External Alarm Reset Pushbutton.
- System Lock Key Switch.

CONTROLLER SPECIFICATIONS

KEY FEATURES

- (12) Configurable inputs
- (6) Configurable volt-free outputs
- (6) Configurable DC outputs
- 4-Line back-lit LCD text display
- Five key menu navigation
- Front panel editing with PIN protection
- LED and LCD alarm indication
- Check sync feature
- Remote monitoring
- Source 1/Source 2 control
- Start inhibit
- Load inhibit
- Manual restore to S1
- Supports multiple topologies
- Automatic switch-over between supplies
- Rotary ATS configuration
- Configurable timers and alarms
- Multiple date and time scheduler
- Power monitoring (kWh, kVAh, kVAh, kVArh)
- Load switching (load shedding outputs)
- USB connectivity
- Backed up real time clock
- Fully configurable via Configuration Suite PC software
- Configurable display languages
- User selectable RS232 and RS485 communications
- Configurable Gencomm pages
- SMS messaging (additional external modem required)
- Additional display screens to help with modem diagnostics
- Integral PLC editor

KEY BENEFITS

- Source 1/Source 2 provides total flexibility for the application of the product
- Fully automatic and switch-over control minimizes the effects of power disruptions
- User friendly set-up and button layout
- 3 phase display and check sync provide enhanced system functionality
- 132 x 64 pixel ratio display for clarity
- Real-time clock provides accurate event logging
- Ethernet communications (via external module), provides advanced remote monitoring at low cost
- The system can be integrated into building management systems (BMS)
- Increased input and output expansion capability
- 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.

All rights reserved.

2020 © ELECTRONIL™ INTEGRATED POWER SOLUTIONS.

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.

