

POWER TRANSFER SWITCH CONTROLLER

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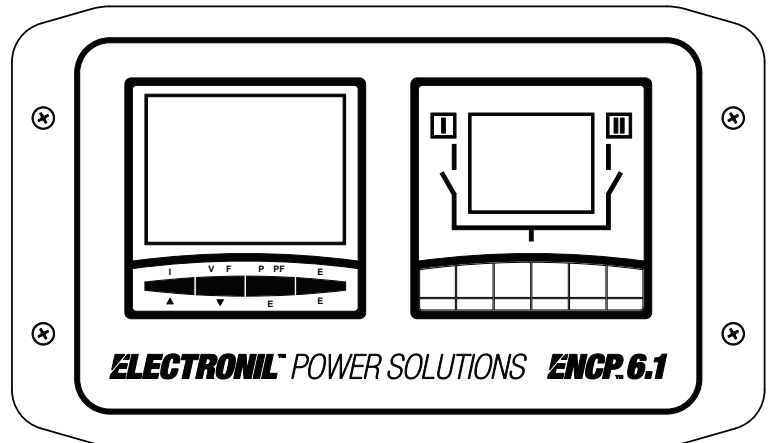


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ENCP™ 6.1

DESCRIPTION

The ENCP™ 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 ENCP™ 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 ENCP™ 6.1 is a Power Transfer Switch Control System. Designed to ensure the automatic transfer of remotely controlled power transfer switches, changeover switches, contactors, circuit breakers or other motorized switches.

The integrated panel mounted digital meter displaying multi-measurement and energy values directly on its large backlit LCD display. It is designed for utilization on three-phase or single-phase networks and is suitable for applications of up to 6000 A. The product can be configured by the user via the keypad and the display.

OPERATOR INTERFACE

- 2 Backlit LCD displays.
- Integrated panel mounted digital multimeter.
- Multiple viewing screens with direct pushbutton access.
- Direct access key for currents (instantaneous and max. values), current THD.
- Direct access key for voltages, frequency and voltage THD.

CONTROLLER SPECIFICATIONS

KEY FEATURES

- 2 Backlit LCD displays.
- Direct access key for currents (instantaneous and max. values), current THD.
- Direct access key for voltages, frequency and voltage THD.
- Pushbutton for active, reactive, and apparent power (instantaneous and max. values) and power factor.
- Direct access key for energies, hour meter and programming menu.
- Inputs for auxiliary contact position information.
- 3 phase measurement on source 1 and single phase on source 2.
- 2 programmable inputs for the following functions: test on/off load, manual retransfer, start/stop transfer cycle.
- Up to 2 programmable outputs for the following functions: source availability information and circuit breaker control.
- 1 relay output for genset control (Remote Start Signal).
- Designed with a remote interface for transferring data or controls to the front panel controller.

KEY BENEFITS

AUXILIARY POWER SUPPLY

Two versions of AC supply are available.

- One version with an AC supply via the measurement inputs.
- Another with a DC auxiliary supply.

MODULAR DEVICE

- DIN-rail mounted controller with remote panel mounted interface and digital multimeter.

EASY TO USE

- Thanks to its large backlit LCD display and its multiple viewing screens with direct pushbutton access, The ENCPT™ 6.1 provide clear readings and easy to use.
- The ENCPT™ 6.1 Directly display a number of multi measurement and metering values.

ADVANCED FUNCTIONALITIES

- The ENCPT™ 6.1 offers input/output functions as standard and has a pulse output or RS485 MODBUS communication output.

- 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.

