



Static Power Switching Unit (Automatic Transfer Switch)





The new Ashe Series SPX-Series Static Power Transfer Switches are a range of microcontroller based thyristorized AC power switching units. The instrument is used as a watchdog for the AC mains power line in industries. It accepts two single phase power feeders as input lines. Depending upon the preset selections for load voltage and current limits, the SPX-Series seamlessly switches one of the two input sources to the output.

The Static Power SPX-Series Switch provides a selection of one primary feeder out of two input power feeders. Further, it monitors the voltage and current continuously and sequentially displays these values on the front panel digital display. The instrument has a membrane switchpad on the front panel through which one may set all the parameters. An active LED mimic indicates the status of the input and output signals.

The Ashe SPX-Series Power Switching unit has intelligent Auto-Recovery facility - hence when power is restored, the instrument automatically returns to the primary power feeder. It is offered in slim and aesthetically designed enclosures of 1U, 2U & 3U/19" Rack mount execution and consumes minimal panel space.

The design uses state of the art techniques in high speed bump-less power switching, providing excellent voltage monitoring, high efficiency and low power dissipation. It is offered in a wide range of output voltages and power ratings. The Series SPX-Series units are designed for continuous full load operation in tough industrial environments, while ensuring the protection of the powered equipment.





SPECIFICATIONS

Model ASHE SPX-Series

ASHE SPX 21 ASHE SPX 31 ASHE SPX 41 ASHE SPX 51

Type Microcontroller-based Thyristorized Static Power Switching

unit for seamless AC Voltage switching, with digital indication.

Inputs Two nos. AC Voltage inputs.

Output One AC Voltage output (depending on input status)

Voltage Channel A 110 VAC Single phase 50 Hz

230 VAC, Single phase 50 Hz (to be Pre-specified).

Voltage Channel B 110 VAC Single phase 50 Hz

230 VAC, Single phase 50 Hz (to be Pre-specified).

Priority Precedence to Channel A. If channel A fails, power source will

be seamlessly switched to Channel B. When Channel A is restored, power source will be switched back to Channel A.

Current Switching Up to 65 Ampere

Selection Options Primary Source selection, Sound On/Off, Range for Voltage

watch-dog, Range for Current watch-dog, etc.

Switching Time <15 mSec.

Settings

Alarm Output Relay changeover contacts on switch-over.

Indications a) 3-digit seven-segment LED display for Input indications and

menu selections.

b) Active LED Mimic for status indications of Input sources

and Output condition. By four-key Membrane Switchpad on front panel.

Switching Devices Solid State Relays @90A

Execution 19" Rack Mounting 1U, 2U & 3U

1U SPX-21 & 31 - 44.5 X 483 X 185 mm [H X W X D] Dimensions

> SPX-41 & 51 - 89 X 483 X 250 mm [H X W X D] 3U SPX-60 - 133.5 X 483 X 340 mm [H X W X D]

Approx 4 kg. **Operating Temperature** 0 to 55°C.

FEATURES

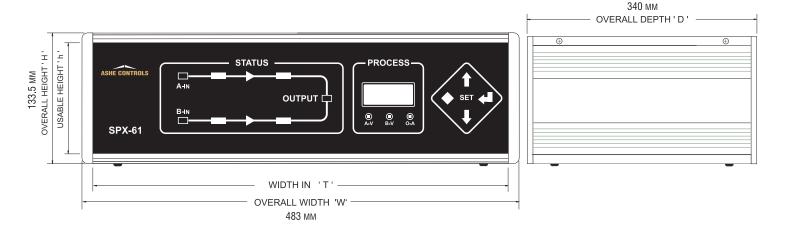
- Microcontroller based Thyristorized design
- Load Ratings of up to 65 Ampere
- Ultra High-speed switching for seamless power transfer (<15 mSec.)
- Watchdog for power feeders
- Automatic recovery after power failure
- Various AC Power Inputs (Pre-specified)
- Configurable load current and voltage
- Relay changeover on switch-over
- Very low power consumption and heat dissipation
- RFI and EMI filters provided
- Industrial grade ABS enclosure
- Digital metering for both Input Voltages
- Control Relay output for remote power fail alarm
- High Noise immunity
- Aesthetically designed slim execution
- Proven record of hundreds of installations

SIDE VIEW



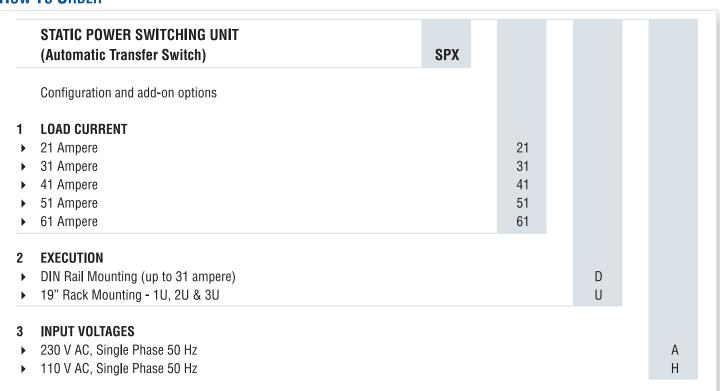
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DIMENSIONAL DIAGRAM



FRONT VIEW

How To Order



OUR OTHER PRODUCTS





Designed and Manufactured by :

ASHE CONTROLS PRIVATE LIMITED

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