

Static Power Switching Unit (Automatic Transfer Switch)

OVERVIEW

The new Ashe Series SPX-21D 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-21D seamlessly switches one of the two input sources to the output.

The Static Power-21D 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-21D 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 DIN Rail mount execution.

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-21D units are designed for continuous full load operation in tough industrial environments, while ensuring the protection of the powered equipment.



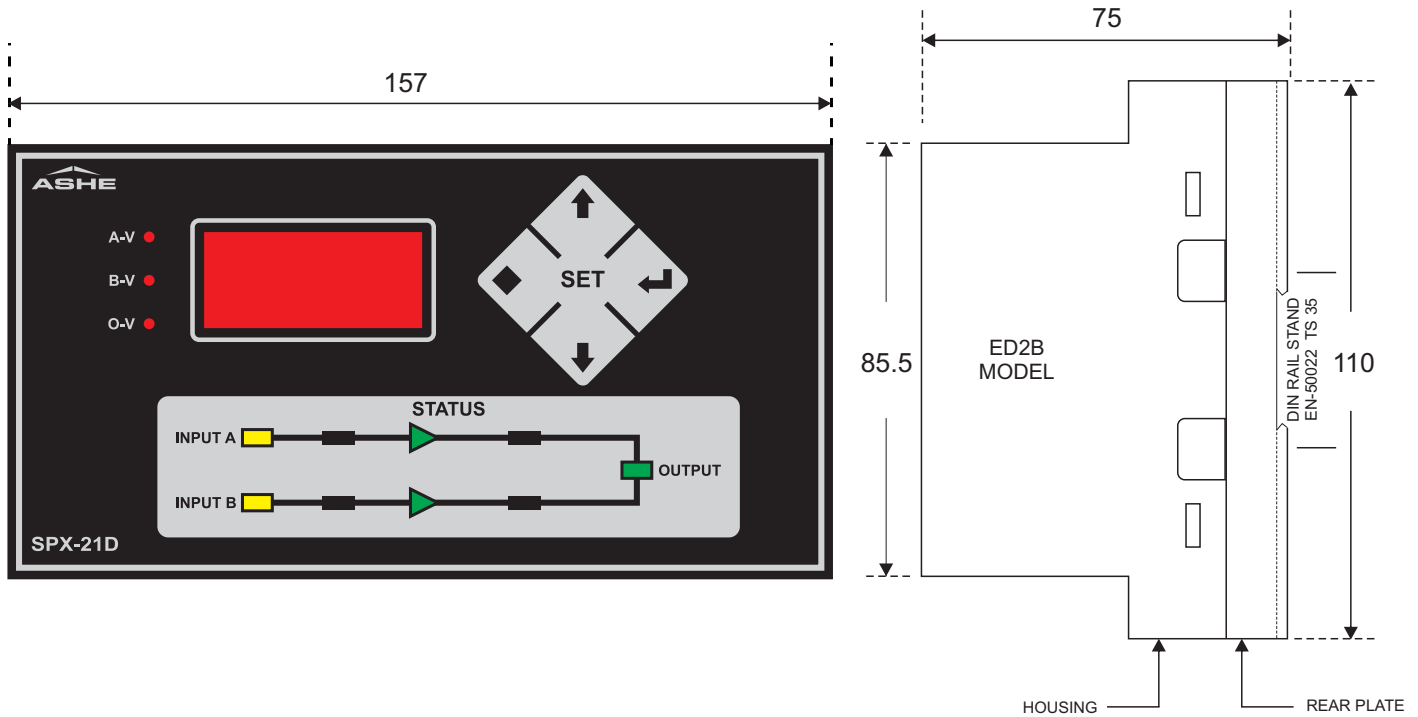
SPECIFICATIONS

Model	ASHE SPX-21D ASHE SPX-31D
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 V or 230 VAC, single phase, 45 to 65 Hz.
Voltage Channel B	110 V or 230 VAC, single phase, 45 to 65 Hz.
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	21 / 31 Ampere.
Selection Options	Primary Source selection, Sound On/Off, Range for Voltage watch-dog, Range for Current watch-dog, etc.
Switching Time	<15 mSec.
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.
Settings	By four-key Membrane Switchpad on front panel.
Switching Devices	Opto-Triacs.
Execution	DIN Rail mounting.
Enclosure	Industrial grade ABS enclosure
Dimensions	157 x 110 x 75 mm [W X H X D]
Weight	Approx 1.5 kg.
Operating Temperature	0 to 55°C.

FEATURES

- Microcontroller based Thyristorized design
- Load Ratings of 21, 31 Ampere
- Ultra High-speed switching for seamless power transfer (<15 mSec.)
- Watchdog for power feeders
- Automatic recovery after power failure
- Various AC Power Inputs.
- 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

DIMENSIONAL DIAGRAM



How To Order

STATIC POWER SWITCHING UNIT (Automatic Transfer Switch)	SPX			
CONFIGURATION AND ADD-ON OPTIONS				
1 LOAD CURRENT				
▶ 21 Ampere		21		
▶ 31 Ampere		31		
▶ 41 Ampere (Ask for 2U/19")		41		
2 EXECUTION				
▶ DIN Rail Mounting			D	
▶ 19" Rack Mounting - 1U & 2U			U	
3 POWER SUPPLY				
▶ 230 V AC, Single Phase 45 to 65 Hz				A
▶ 110 V AC, Single Phase 45 to 65 Hz				H

OUR OTHER PRODUCTS



FLOW TOTALIZER

SIGNAL ISOLATORS & TRANSDUCERS

TEMPERATURE SCANNER

FLAMEPROOF INSTRUMENTS

STATIC POWER SWITCHES



Designed and Manufactured by :

ASHE CONTROLS PRIVATE LIMITED

6/317, 318 & 319, Jogani Industrial Complex, Near ATI, Sion-Trombay Road, Chunabhatti (East), Mumbai - 400 022, India.

Phone : (022) 2405 1561, 2405 5791, 2405 5543 • E-mail : sales@ashecontrols.com • Website: http://www.ashecontrols.com