ASHE CONTROLS PVT LTD
an ISO 9001:2015 certified company

SPX-31D

SPX-Series Static Power Switching Unit (Automatic Transfer Switch)

Single Phase, DIN-Rail mount



RoHS Compliant

MAKE IN INDIA

Overview

The new ASHE Series SPX-31D 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-31D seamlessly switches one of the two input sources to the output.

The Static Power Switch SPX-31D 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-31D 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 in 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 for both, 110 VAC and 230 VAC, 50/60 Hz single phase voltages in various power ratings. The Series SPX-31D units are designed for continuous full load operation in tough industrial environments, while ensuring the protection of the powered equipment.

This product is backed by a full two-year warranty, covering all manufacturing defects and workmanship issues under normal operating conditions.

Specifications

Model	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 VAC, 50/60 Hz Single phase OR 230 VAC, 50/60 Hz Single phase (to be Pre-specified).
Voltage Channel B	110 VAC, 50/60 Hz Single phase OR 230 VAC, 50/50 Hz Single phase (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	31 Ampere.
Selection Options	Primary Source selection, Range for Voltage watch-dog, Range for Current watch-dog, etc.
Switching Time	<10 mSec.
Alarm Output	Relay changeover contacts on power 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 status.
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^{0}C.

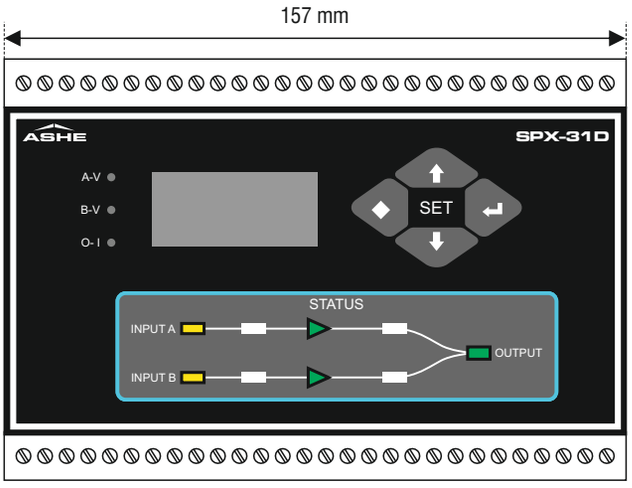
Features

- Microcontroller based Thyristorized design
- Load Rating of 31 Ampere
- Ultra High-speed switching for seamless power transfer (<10 mSec.)
- Watchdog for power feeders
- Automatic recovery after power failure
- 110 VAC or 230 VAC Power Inputs (Pre-specified)
- Configurable load current and voltage settings
- Relay changeover contacts on power switch-over
- Very low power consumption and heat dissipation
- Industrial grade ABS enclosure
- Digital metering for both Input Voltages and load Current
- High Noise immunity
- Aesthetically designed slim execution
- Two-year Performance Warranty
- Proven track record of successful site installations

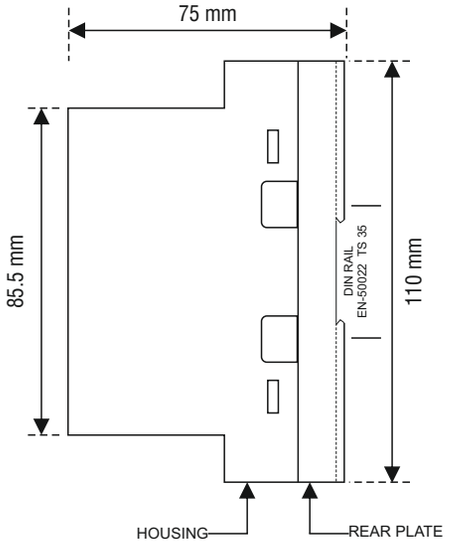
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Single Phase, DIN-Rail mount

Dimensional Diagram



FRONT VIEW



SIDE VIEW

How To Order

	STATIC POWER SWITCHING UNIT (Automatic Transfer Switch)	**SPX**						
	Configuration and add-on options							
1	**LOAD CURRENT**							
▸	31 Ampere		31					
2	**EXECUTION**							
▸	DIN Rail Mounting			D				
▸	Rack Mounting			U				
3	**INPUT VOLTAGES**							
▸	110 VAC, 50/60 Hz				H			
▸	230 VAC, 50/60 Hz				A			
4	**SWITCHING POLES**							
▸	Single					S		
▸	Dual (Only in Rack Mount)					D		
5	**TERMINATION**							
▸	Screw terminal						S	
▸	Power socket (Only in Rack Mount)						P	

Our Other Products


FLOW TOTALIZER


SIGNAL ISOLATORS & TRANSDUCERS


TEMPERATURE SCANNER


FLAMEPROOF INSTRUMENTS


STATIC POWER SWITCHES

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