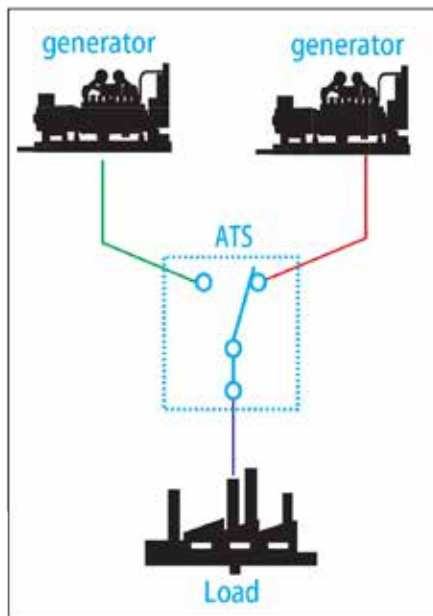
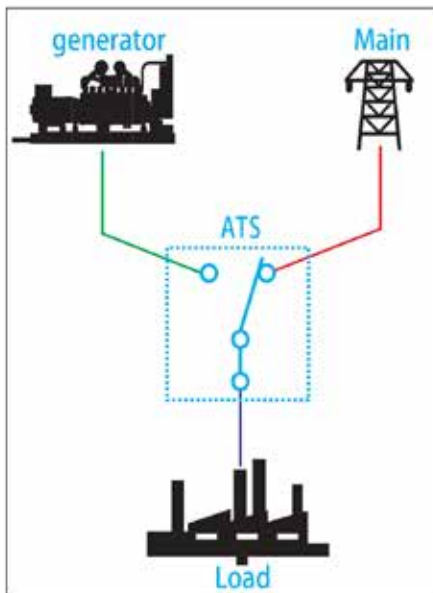


AUTOMATIC TRANSFER SWITCH SYSTEM

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Automatic Transfer Switch System

Automatic Transfer Switch Control Module. The module features 8-Bit microprocessor control. The module is used to monitor two 3-phase AC supply. Once I# AC supply failure is detected (under voltage, over voltage, miss phase), The module Automatically transfer the switch to II# AC supply, and control generator to start.



Specification

Type	ATS1-160A	
Rated voltage	AC 660V, DC 125V	
Rated current	160A	
Connect way	Front	
NO. of Pole	2P	4P
Operation coil capacity (A)	2.7/AC220V	3.8/AC220V
Short-time withstand current	5KA	
National withstand current	12.5KA	
Opening-closing capacity	AC3(10LE closing/8LE opening) Cos φ 3(1.1LE closing/1.1LE opening)L/R=1MS	
Life expectancy	Mechanical 10000 times, electrical 5000 times	
Opening-closing Frequency	4(150 times /Hour)	
Operation time	Open time ≤ 0.06 sec Closing time ≤ 0.20sec	
Weight (kg)	20	
Size (mm)	400*260*570mm	



HAT220 SPECIFICATION

a) Rated Voltage and Rated Frequency:
 3 Phase 4 Wire, AC380V, 50 Hz /60Hz;
 Single phase 2 wire, AC230V, 50 Hz /60Hz;
 Over voltage threshold value:
 264 V (phase-N) Under voltage threshold value,
 172 V (phase-N)
 AC voltage measurement accuracy: 2%
 AC phase voltage measurement range:
 (160~300) V±20%

b) Action time

- Close time: 5 seconds. During this period, if detected close signal is active, immediately disconnect.
- Voltage normal delay: (0~60) seconds (can be adjusted via panel potentiometer).
- Voltage abnormal delay: (0~60) seconds (can be adjusted via panel potentiometer), default: 5 seconds
- Genset start delay: after 1# abnormal delay (range: 0s~60s, can be adjusted via panel potentiometer), genset start relay closes.
- Genset stop delay: after 1# normal delay (range: 0s~90s, can be adjusted via panel potentiometer or PC, default: 90 seconds), genset start relay de-energizes.

c) Power consumption

When module is in rated voltage, power consumption of voltage circuit is not more than 2VA.

d) Environment conditions

Working temperature: (-30~+70) °C Humidity: (20~95) %

e) Weight

Net weight: 0.47Kg

