



A Genelec automatic transfer switch monitors incoming voltage from the utility line, around the clock. When utility power is interrupted, the automatic transfer switch immediately senses the problem and signals the generator to start. Once the generator is running at proper speed, the automatic transfer switch safely connects the supply from the generator. Within seconds, your generator system begins supplying electricity to the critical emergency circuits of your home or business. The transfer switch continues to monitor the utility line conditions. When the automatic transfer switch senses the utility line voltage has returned to a steady state, it re-transfers the electrical load back to the utility line and resumes monitoring for subsequent utility loss. The generator will continue to run for an engine cool-down period of several minutes while the entire system stands ready for the next power outage. While mains utility is present, the automatic battery charger in the ATS, maintains the generator's starting batteries at an optimum level of charge, so that your machine is always ready to start.

Features

- Ratings 50 to 6300 Amps
- 3 or 4 poles
- 50 or 60Hz up to 600VAC
- Circuit breaker, contactor or motorised changeover switch type
- High transfer speed
- Standard open transition
- ISO 9001 manufactured
- Designed for emergency and standby applications
- Easy to use and Intuitive settings
- Electrically and mechanically interlocked
- Automatic and manual operation.
- Open or closed transfer available

Design and Construction Features

- 3 phase sensing on both sources
- Adjustable voltage and frequency settings
- Test switch (fast test/load/no load) to simulate normal source failure.
- Form 1 floor standing steel panel.
- Lockable doors
- Bottom, top or rear cable entry
- Front access
- Type tested panels & bus bar
- Copper bus bar connections
- Optional withdrawable Circuit Breaker disconnect for safe maintenance
- Components accessible for inspection and maintenance
- Microprocessor based controller, displaying all electrical parameters, all alarms and status notifications and providing easy push-button control of the system
- Open or closed transition, for no-break operation



ATS Technical Data	
Max voltage	600V AC
Amps Ratings	50, 65, 80, 95, 125, 150, 180, 220, 300, 400, 600, 800, 1000A, 1250A, 1600A, 2000A, 2500A, 3200A, 4000A, 5000A and 6300A
Cooling	Natural
Ambient	0 - 40C (Optional 50C)
IP rating	IP54
Color /paint	RAL 7035 /epoxy polyester
Separations	Form 1
Standards and Certifications	IEC 609471-6- IEC/EN 60947 AC1 ISO 9001 Quality System Registered CE certification.

Options

The Genelec ATS is offered with the below optional features.

Electronic Trip Unit

This option elegantly adds an electronic tripping device to one of the air circuit breakers.

The tripping unit is the ABB electronic PR122 LSI type or equivalent. Using this option one can perform 50 and 51 ANSI protection with the ATS.

One can add the protection to one or to both source sides of the ATS. If the unit is needed on both sides, please add the option twice.

Please select the appropriate option of 3 or 4 poles.

Withdrawable Breaker

This option converts a fixed circuit breaker into a withdrawable one.

It adds a compatible drawer to the cabinet.

Using this option one can easily perform

- Service visits of the ATS
- Manual and visible lockout functions with the ATS.

One can add the protection to one or to both source sides of the ATS.

If option is needed on both sides, please add the option twice.

Please select the appropriate option of 3 or 4 poles.

Closed Transition Changeover

The switching devices in the ATS may be configured to «make before break» mode, if a "no break transfer" is preferred. This operation, requires that the generator and mains supply, be momentarily connected together. This mode will allow the mains to take over from the generator, without a visible power outage.

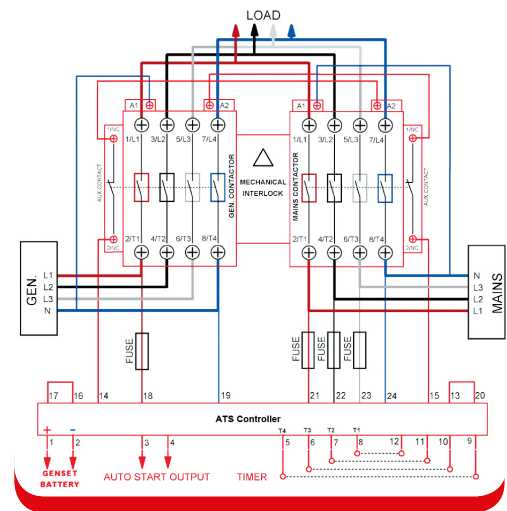
Multi Source

We can supply transfer switches for any number of sources and in any combination of transition types, for applications like 2 bus load management, or changeover between utility, generator and renewable energy sources, together with smart management systems.

Relay Logic

The relay logic is a classic relay type control of the ATS. It replaces the electronic controller.

This option is useful in rare applications where an electronic controller is not acceptable.



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