

50 Amp Transfer Relay

Intellitec's 50 Amp Transfer Relay is designed to automatically transfer the electrical power from two separate power sources, such as generator and shore power, to an electrical load. The unit is responsive to one of the loads, typically the generator, and has a built in 15 second delay to allow that source to start without an immediate load being introduced.

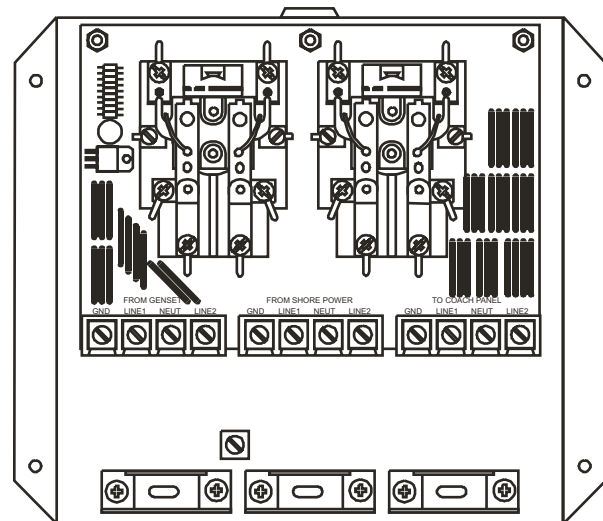
The mechanical design on this Transfer Relay is what is so unique about this unit. Contrary to the traditional design where all the connections are made inside a box with a cover, Intellitec's Transfer Relay's box IS the cover. This allows for easy installation with easy access to all the connections.

The connections are made via screw down connectors, eliminating the need for unreliable crimp type connections and the cost of special connectors. All of the internal connections are made via a PC board which eliminates any wiring errors in our assembly and assures a reliable, long lasting product.

The actual transferring is done by two double pole double throw relays with 50 amp contacts. The neutral leg would be split between two of the contacts, allowing it to carry as much as 100 amps. The relays themselves are DC coils which eliminate any chatter which may occur in low voltage situations.



Box with cover



Cover removed
(inside view)



Intellitec

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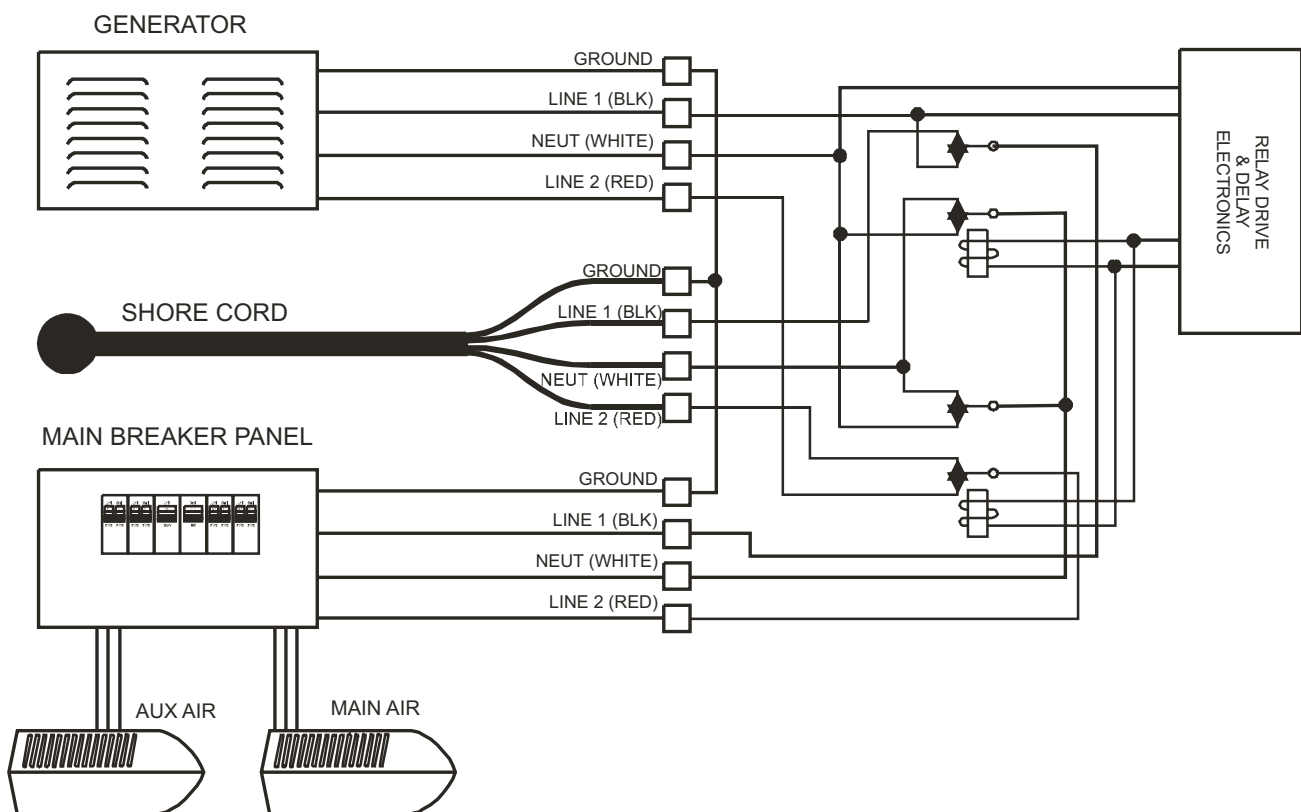
50 Amp Transfer Relay

The **Intellitec 50 Amp** change over operates by sensing the voltage from the generator. When the generator is turned on, a timing circuit is initialized. After approximately 15 seconds, the relays are engaged the power will be directed from the generator.

SPECIFICATIONS

Part Number	00-00768-000
Maximum continuous carry current per line	50 Amps
Maximum continuous carry current on neutral	100 Amps
Maximum ambient temperature	185 Degrees

TYPICAL 50 AMP SERVICE CONNECTIONS



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P/N 53-00768-000 Rev. B 111504



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