

AUTOMATIC TRANSFER SWITCH

Most mid-level to high-line RV's equipped with a generator employ the use of an automatic switching device to prioritize the power available to the RV. Before this "auto-transfer switch" became commonplace in motor homes it was necessary to plug the shore code into a power receptacle, commonly referred to as the 4x4 box, in order to get power from the on-board generator into the coach. This receptacle was usually located near the shore cord in an exterior storage compartment. The shore cord was plugged into an outside power source or, when utilizing the generator, into this 4x4 box.

The ATS switch eliminates the need to plug the shore cord into the 4x4 box to use the onboard generator as your power source. Both the shore cord and the generator are wired directly into the ATS switch which utilizes relays to prioritize the power source that is supplied to the RV's load center.

Winnebago Industries, Inc. has used various Automatic Transfer Switches over time, depending upon the application. The following information applies to the TRC brand Surge Guard Plus that we are currently installing in our diesel coaches. Note that this device also provides protection against various electrical faults.



Surge Guard Plus

- Automatic Transfer Switch with RV Power Protection
- Rated 120/240V, 50A, 60 Hz
- Protects your RV bumper to bumper from the most damaging common electrical faults.

Automatic Transfer Switch Features

- Unit will transfer to either shore power or generator automatically when energized. In the event both shore and generator powers are available, generator power will dominate after a 30 second delay.
- Open Neutral Protection
- Reversed Polarity Protection
- Multi-mode Surge Protection
- 34 Second Delay for Cold Generator Starts
- 50 FLA Rated Contractors (Full inductive load rated)
- Mechanical Interlocking Contractors
- Electrical Interlocked Control Circuit
- Black Powder-coated Steel Enclosure
- Rugged Heavy-duty Construction
- UL Approved ATS – full transfer switch rating, UL1008 (not general control)
- 2600 Joules at 76,400 Amps