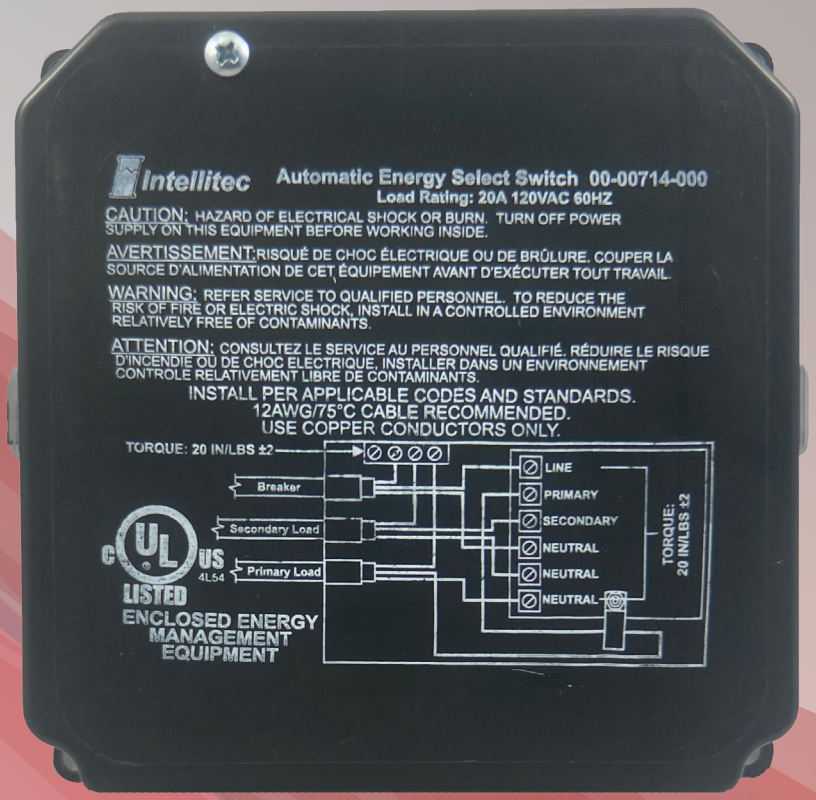
Intellitec



Automatic Energy Selector Switch

P/N: 00-00714-000

Load Switching for a Shared Circuit

The Automatic Energy Selector Switch (AESS) allows you to share two intermittent loads on a single breaker.

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Automatic Energy Selector Switch

Load Switching for a Shared Circuit

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Limited on Available Circuits?

SHARE LOADS ON A SINGLE CIRCUIT

The concept behind the AESS is that certain items used in a RV, such as the microwave, oven, hair dryer, or toaster, need to always be available when the owner wants to use them, also known as "on demand" appliances. The use of others, such as the washer/dryer, water heater, or fire place can be delayed to a slightly later time with little inconvenience to the owner. These are postpone-able loads. Postponing the use of these appliances leaves enough power to operate the "on demand" appliances.

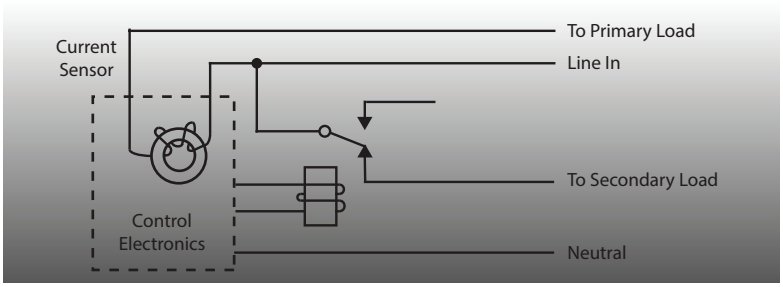
Power is supplied to the AESS from a single circuit breaker. An "on demand" load is connected as the primary load and a "shed-able" load is connected as the secondary load. When power is applied to the RV, it is supplied to both loads. When the primary load is turned off and at least 45 seconds has passed, power to the secondary load will be reapplied.

Automatic Energy Selector Switch

Features

- Allows two 20 Amp loads to operate from a single 20 Amp breaker
- Automatically switches between two loads as the demand requires
- Meets NEC section 551-42(c) for adding breakers over the maximum limit of five and allowing for more than two, thermostatically controlled appliances
- Minimizes circuit breaker tripping
- Eliminates manual appliance select switches
- New Smaller Footprint (LxWxH): 5.75” x 5.75” x 2 1/8”

OPERATION & DIAGNOSTICS



The AESS controls power to two loads. The primary or “on demand” load is connected to the primary output and a shed-able load is connected to the secondary output. The output to the secondary load is carried through a relay.

When the shore cord is first plugged in, power flows through the AESS to both the Primary and Secondary load. When the Primary load turns on, the secondary load is isolated. 45 seconds after the primary load is turned off, power will be re-applied to the secondary load.