

GENERAL INFORMATION

The Parallax Power Supply ALS 20 automatic load shed is designed to automatically switch off a secondary load in a high current situation. This allows for the connection of two high current devices to a single 20-amp breaker. Often, the job of the ALS 20 has been performed by a manual device selector switch.

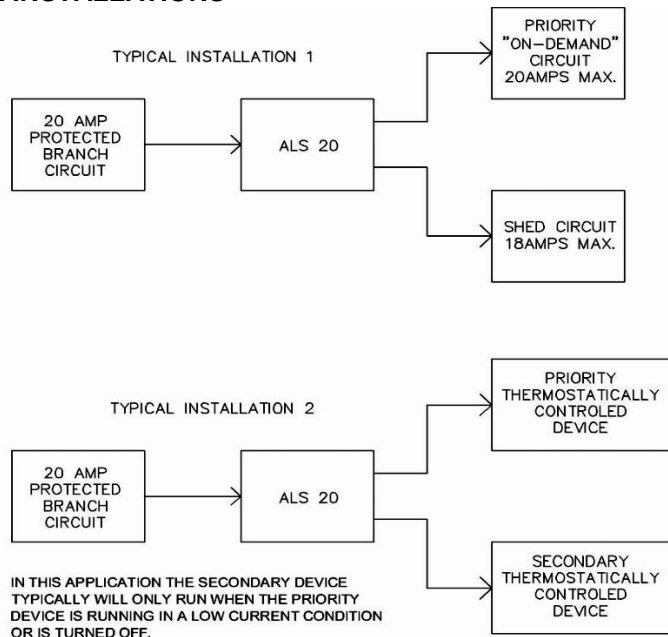
Typically the ALS 20 will be configured so that when the on demand current is at a very high level the ALS 20 will automatically shed, or disconnect a secondary load such as a water heater whose operation can be temporarily postponed without directly affecting the user. This situation would normally occur by activating a high current on-demand device such as a microwave or hair dryer. In addition the ALS 20 may also be installed to allow for the operation of more than 2 thermostatically controlled devices on a 120V 30AMP service, as per the NEC 551-42(c). After the current demands drop on the circuit, and a short safety delay the ALS 20 will automatically switch the disconnected load back on.

Refer installation and servicing of this product to qualified service personnel. Technical or service information is provided solely for use by licensed electricians and certified RV technicians. No endorsement of technical expertise is expressed and/or implied. User assumes all liabilities arising from use of this information.

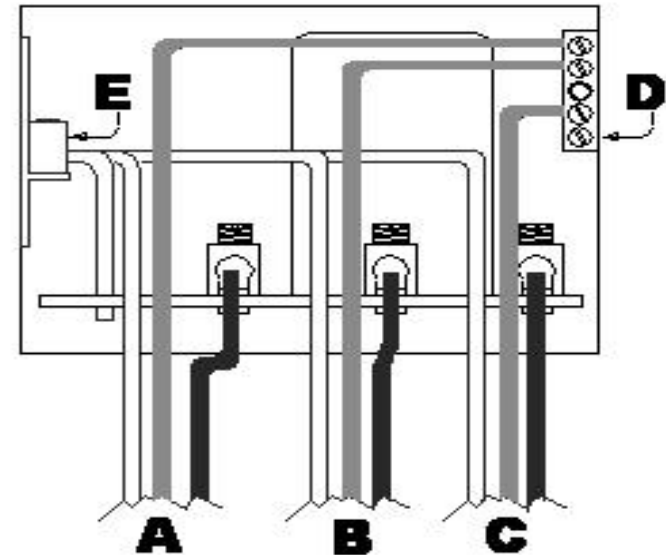
OPERATION

After the ALS 20 unit is installed, using one of the typical installations shown in this manual, it will be ready for years of trouble-free service. Operation is automatic and no maintenance is required.

TYPICAL INSTALLATIONS



WIRING INSTRUCTIONS



WIRING	←	←	←	NEUTRAL (WHT)
COLOR	←	←	←	GROUND (GREEN / BARE)
CODE	←	←	←	LINE (BLK)

- A - 120VAC 20AMP MAX. PROTECTED BRANCH CIRCUIT
- B - PRIORITY LOAD: 120VAC 20AMPS MAX.
- C - SHED LOAD: 120VAC 18AMPS MAX.
- D - BONDED EQUIPMENT GND. CU 8-12; COPPER WIRE ONLY.
- E - ISOLATED NEUTRAL BAR. CU 10-12; COPPER WIRE ONLY.

TERMINAL TORQUE RATINGS:		
AWG CU	INCH-POUNDS	
10-12	35	
8	40	

CAUTION:

Observe the polarity and torque specifications per the installation label included on the inside cover of each unit.

MOUNTING LOCATION

The ALS 20 is designed for indoor use only.

DO NOT mount in harsh environments; avoid areas where high levels of dust, dirt, or moisture may occur.

DO NOT mount in the same compartment as batteries or other flammable materials such as gasoline.

The ALS 20 may be mounted in any position, leaving room for routing input and load conductors.

Mounting requirements: 4 surface-appropriate fasteners for the 4 holes provided in the flanges.

SPECIFICATIONS

(Subject to change without prior notice)

Electrical rating: 120VAC, 20 amp

Relay: DPDT rated 30-amp

Coil: 110VDC

Input: 120VAC, 20 amp protected branch circuit.

Priority load circuit: 120VAC, 20 amp MAX.

Shed load circuit: 120VAC, 18 amp MAX.

Dimensions:

Width: 4.75"

Height: 4.125"

Length: 6.250"

Mounting Baseplate:

Width: 6.00"

Length: 6.25"

Weight: 3.75 pounds (all models)

Not ignition protected

WARRANTY INFORMATION

Reference the enclosed **Parallax Power Supply Warranty Policy** or download the policy at: <http://www.parallaxpower.com/warranty>

Parallax Power Supply

Phone: (800) 443-4859 ▪ Fax: (765) 608-5235



Powering the RV Adventure

ALS 20 AUTOMATIC LOAD SHED OWNER OPERATION GUIDE

Visit our website at www.parallaxpower.com

Congratulations on the purchase of your new Parallax Power Supply product!

The Parallax ALS 20 automatic load shed have been designed to give safe, reliable, and maintenance-free service.

We hope it provides many years of enjoyment.



Listed for RV use in the U.S.A. and Canada