



Model 247

Safety Information

Important Information

Read these instructions carefully and look at the equipment to become familiar with the device before trying to install, operate, service or maintain it. The following special messages may appear throughout this bulletin or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.



The addition of either symbol to a “Danger” or “Warning” safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to physical injury. The safety alert symbol shall not be used with this signal word.

Please Note

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by ASCO Power Technologies for any consequences arising out of the use of this material.

A qualified person is one who has skills and knowledge related to the construction, installation, and operation of electrical equipment and has received safety training to recognize and avoid the hazards involved.

Introduction

The **ASCO Model 247** relocatable power tap is specifically designed for rack mounted equipment. Status LEDs indicate power is supplied to the unit, whether the unit is grounded and whether the surge components are still functioning. Model 247 features a digital meter mounted on the front of the unit, which monitors voltage, current, and power supplied to the connected loads.

DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Apply appropriate personal protective equipment (PPE) and follow safe electrical work practices. See NFPA 70E, NOM-029-STPS or CSA Z462.
- This equipment must only be installed and serviced by qualified electrical personnel.
- Turn off all power supplying this equipment before working on or inside equipment.
- Always use a properly rated voltage sensing device to confirm power is off.
- Replace all devices, doors and covers before turning on power to this equipment.
- This equipment must be effectively grounded per all applicable codes. Use an equipment-grounding conductor to connect this equipment to the power system ground.
- Do not exceed 15 Amps continuous current for 247120NF015ALCN0.
- Do not exceed 20 Amps continuous current for 247120NF020ALCN0.

Failure to follow these instructions will result in death or serious injury.



WARNING: This product can expose you to chemicals including DINP, which is known to the State of California to cause cancer, and DIDP which is known to the State of California to cause birth defects or other reproductive harm. For more information go to: www.P65Warnings.ca.gov.

NOTICE

LOSS OF SURGE SUPPRESSION

- Make certain that Surge Protective Device is disconnected from the circuit it is protecting before conducting high potential insulation testing.

Failure to follow these instructions can result in equipment damage.

Installation

1. Turn off all power supplying this equipment before working on or inside any enclosure containing this equipment.
2. The rackmount devices are designed to be installed in a standard 19 inch equipment rack and take up 1 unit (1U) of space. Mount the unit to rack using the four slots and four screws (not provided).
3. Plug AC power cable into a properly grounded NEMA 5-15R or 5-20R receptacle, (depending on the model).
4. Plug equipment into receptacles on back of Model 247.
5. Equipment may be re-energized after all the above steps are complete.
6. Press on/off switch on front of device to the "on" position.
7. Provides power for up to 12 individual circuits.

Diagnostic Operation

⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

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Failure to follow these instructions will result in death or serious injury.

Indicator Status ON =

Three green status LEDs are located on the front panel indicating incoming power, grounding and surge component status.

Indicator Status OFF =

Check connections, verify that the line voltage is at the point of connection; if all is correct, then replace the device.

Power Monitoring Display

The voltage reading is displayed when power is first turned on and will remain until the Function button is pressed. The FUNCTION button is the top button next to the display. Pressing this button will cycle through the eight meter functions. The order of the functions is as follows: Voltage, Amperage, Watts, VA (apparent power), Hz (frequency), PF (power factor), Kwh (kilo-watt-hour), Time (clock).

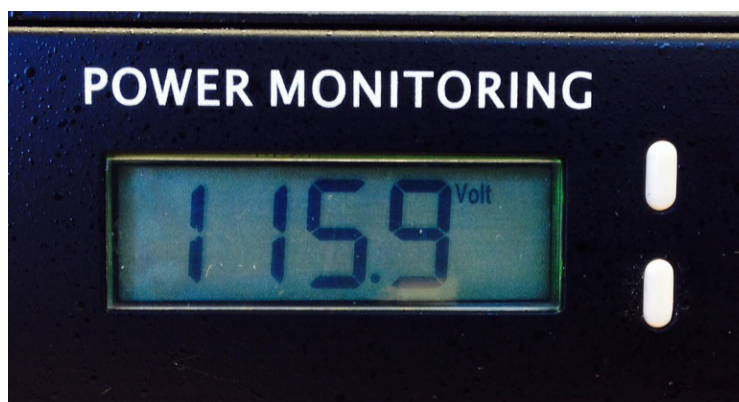
The SET button is the bottom button next to the display.

The Kwh and clock function can be reset by turning the power switch off for 3 seconds.

To set a load current alert hold the SET button for 3 seconds, then press the FUNCTION button to start stepping up the current in 1 amp increments. Once the desired amperage is reached press the SET button to save. The display will then flash if the load current limit is exceeded.

Over Voltage will be indicated on the display by "OUP" and will occur when the input voltage is above 145 volts.

Over Current will be indicated by a blinking screen when the input current exceeds the selected amperage level.

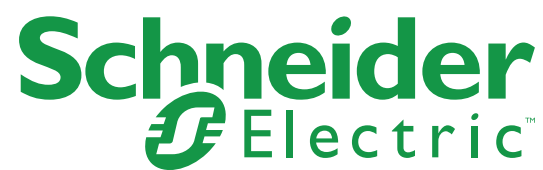


General Technical Specifications

Model	247120NF015ALCN0	247120NF020ALCN0
Operating Voltage	120 VAC	
Operating Current	15 Amp	20 Amp
Operating Frequency	50/60 Hz	
Peak Surge Current	20 kA/mode, 40 kA/phase	
EMI/RFI Filtering	60dB Max	
LED Indicators (Green)	Power On, Ground OK, Surge Circuit OK	
Digital Meter	Voltage, Amps, Watts, VA, Hz, PF, Kwh, and Clock	
Input Power	SJT 14/3C Power Cord (9ft) with NEMA 5-15P Plug	SJT 12/3C Power Cord (9ft) with NEMA 5-20P Plug
Output Receptacles	Front – (2) NEMA 5-15R Back – (10) NEMA 5-15R	Front – (2) NEMA 5-20R Back – (10) NEMA 5-20R
SPD Technology	Thermally Protected MOVs	
Overcurrent Protection	Rocker Switch / Circuit Breaker	
Response Time	< 5ns	
Dimensions (in/mm)	1.75 x 19.0 x 3.8 in. (1U) [44.45 x 482.6 x 96.52 mm]	
Weight (lbs/kg)	3.2 lbs [1.45 kg]	
Limited warranty	5 Year	
Agency Approvals	UL 1449 Recognized UL 1283 Recognized UL 1363 Recognized	

Model Cross Reference

MODEL <i>Former Model Name</i>	APPLICATION
247120NF015ALCN0 <i>Islatrol RM-115-10RM</i>	120 VAC, 15 Amp, 5-15P, (x12) 5-15R
247120NF020ALCN0 <i>Islatrol RM-120-10RM</i>	120 VAC, 20 Amp, 5-20P, (x12) 5-20R



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