

Power Control

Enclosed Power Control Centers

Power control centers (PSP Models) have been pre-packaged to include two 120 Vac grounded convenience outlets as well as a 4 or 10 Amp switch / circuit breaker for controlling the output power. The outlets can be continuously powered or controlled by the switch / circuit breaker (selectable by internal jumper.) Auxiliary outputs are provided for convenient control panel installations.

Enclosed Switches

Our power control units (SIB Models) utilize the Functional Devices standard small enclosure to house simple switching schemes. The product labels can be ordered with custom content to fit your project.

Track Mount Circuit Breaker Switches

Track mount circuit breaker switches provide a convenient addition to control panels, allowing a circuit to be switched and overload protected. Circuits can be low voltage (24 Vac) or line voltage (120 Vac.)



Enclosed Power Control Centers

Quick Reference Chart. For Details See Spec Page.

| MODEL # | | CONVENIENCE OUTLETS | SWITCH | CIRCUIT BREAKER | NOTES | SPEC PAGE |
|-----------|--|---------------------|----------|-----------------|-------|-----------|
| PSPT2RB4 | | 2, 120 Vac | On / Off | 4 Amp Max. | * | 102 |
| PSPW2RB4 | | 2, 120 Vac | On / Off | 4 Amp Max. | * | 102 |
| PSPT2RB10 | | 2, 120 Vac | On / Off | 10 Amp Max. | * | 103 |
| PSPW2RB10 | | 2, 120 Vac | On / Off | 10 Amp Max. | * | 103 |

Enclosed Switches

Quick Reference Chart. For Details See Spec Page.

| MODEL # | | CONVENIENCE OUTLETS | SWITCH | CIRCUIT BREAKER | NOTES | SPEC PAGE |
|---------|--|---------------------|--|-----------------|-------|-----------|
| SIB02S | | | 20 A, Maintained 3 Position | | ^ | 104 |
| SIB04S | | | 20 A, Maintained 2 Position (On / On) | | ^ | 104 |
| SIB05S | | | 20 A, Maintained 2 Position (On / Off) | | ^ | 104 |
| SIBLS | | | 5 A, Maintained 3 Position | | ^ | 104 |

Track Mount Circuit Breaker Switches

Quick Reference Chart. For Details See Spec Page.

| MODEL # | | POWER INPUT | SWITCH | LED | CIRCUIT BREAKER | NOTES | SPEC PAGE |
|------------|--|-------------|----------|-----|-----------------|-------|-----------|
| PSMN01SB4 | | 120 Vac | On / Off | • | 4 Amp Max. | NEW | 105 |
| PSMN01SB10 | | 120 Vac | On / Off | • | 10 Amp Max. | NEW | 105 |
| PSMN24SB4 | | 24 Vac | On / Off | • | 4 Amp Max. | NEW | 105 |
| PSMN24SB10 | | 24 Vac | On / Off | • | 10 Amp Max. | NEW | 105 |

= UL Listed : UL916 Energy Management; UL Listed Canada

* = See Application Note 16 on page 156

^ = See Application Note 18 on page 156

PSPT2RB4

CIRCUIT BREAKER SWITCH & OUTLET COMBO
Enclosed Power Control Center, 4 Amp Switch / Circuit Breaker, 120 Vac, 2 Outlets, Terminals

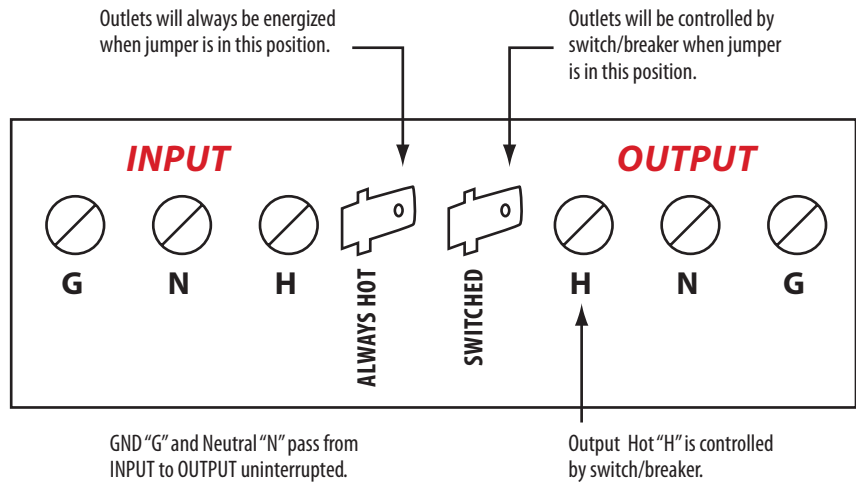


SPECIFICATIONS

Operating Temperature: -30 to 140° F
Circuit Breaker: 4 Amp Max.
Dimensions: 4.000" x 4.000" x 1.800"
Approvals: UL Listed, UL916, C-UL, CE, RoHS
Housing Rating: Plenum, NEMA 1

Terminals: Ground "G" and Neutral "N" pass from INPUT to OUTPUT uninterrupted. OUTPUT Hot "H" is controlled by the switch/breaker.

Mounting: Enclosure may be mounted by using four holes in each corner on outside of enclosure (two screws provided) or by using three holes inside enclosure (screws not provided). Drill screws that create their own pilot-hole are recommended (may be ordered from Functional Devices, Inc. - see model DS80625).



Notes:

Indicator light will illuminate when switch/breaker is ON (RESET position) indicating power has been transferred from INPUT to OUTPUT by the switch/breaker. If it is desired for the indicator light to be illuminated continuously to indicate the presence of input (Line) power, INPUT and OUTPUT may be reversed -- connect input power from line to OUTPUT and connect output load to INPUT (operation of the jumpers above also reverses).

PSPW2RB4

CIRCUIT BREAKER SWITCH & OUTLET COMBO
Enclosed Power Control Center, 4 Amp Switch / Circuit Breaker, 120 Vac, 2 Outlets, Wires

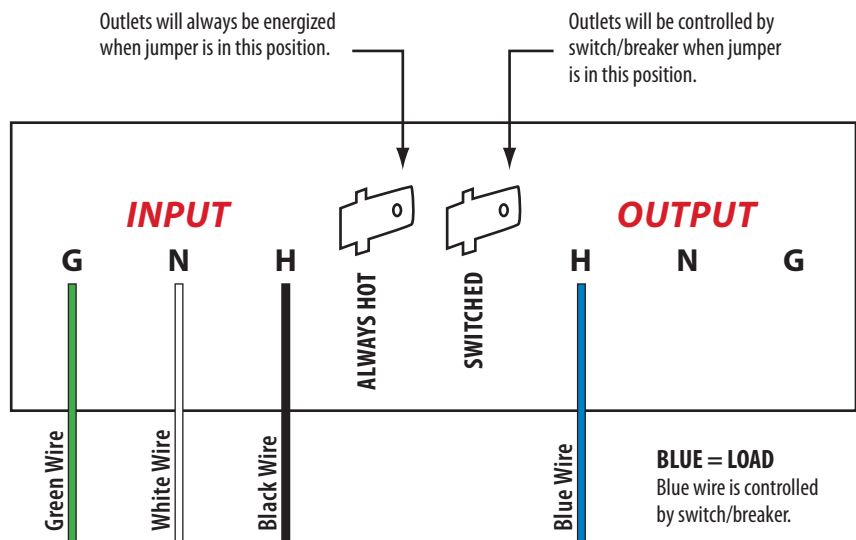


Power Control

SPECIFICATIONS

Operating Temperature: -30 to 140° F
Circuit Breaker: 4 Amp Max.
Dimensions: 4.000" x 4.000" x 1.800"
 (w/ .500" NPT Nipple)
Wires: 16", 600V Rated
Approvals: UL Listed, UL916, C-UL, CE, RoHS
Housing Rating: Plenum, NEMA 1

Mounting: Enclosure may be mounted by using four holes in each corner on outside of enclosure (two screws provided) or by using three holes inside enclosure (screws not provided). Drill screws that create their own pilot-hole are recommended (may be ordered from Functional Devices, Inc. - see model DS80625).



Notes:

Indicator light will illuminate when switch/breaker is ON (RESET position) indicating power has been transferred from INPUT to OUTPUT by the switch/breaker. If it is desired for the indicator light to be illuminated continuously to indicate the presence of input (Line) power, INPUT and OUTPUT may be reversed -- connect input power from line to OUTPUT and connect output load to INPUT (operation of the jumpers above also reverses).



PSPT2RB10

CIRCUIT BREAKER SWITCH & OUTLET COMBO
Enclosed Power Control Center, 10 Amp Switch / Circuit Breaker, 120 Vac, 2 Outlets, Terminals

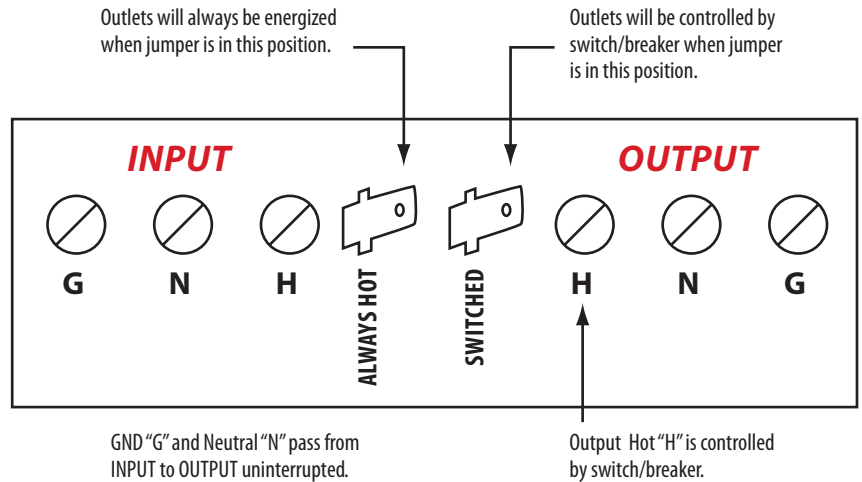


SPECIFICATIONS

Operating Temperature: -30 to 140° F
Circuit Breaker: 10 Amp Max.
Dimensions: 4.000" x 4.000" x 1.800"
Approvals: UL Listed, UL916, C-UL, CE, RoHS
Housing Rating: Plenum, NEMA 1

Terminals: Ground "G" and Neutral "N" pass from INPUT to OUTPUT uninterrupted. OUTPUT Hot "H" is controlled by the switch/breaker.

Mounting: Enclosure may be mounted by using four holes in each corner on outside of enclosure (two screws provided) or by using three holes inside enclosure (screws not provided). Drill screws that create their own pilot-hole are recommended (may be ordered from Functional Devices, Inc. - see model DS80625).



GND "G" and Neutral "N" pass from INPUT to OUTPUT uninterrupted.

Output Hot "H" is controlled by switch/breaker.

Notes:

» Indicator light will illuminate when switch/breaker is ON (RESET position) indicating power has been transferred from INPUT to OUTPUT by the switch/breaker. If it is desired for the indicator light to be illuminated continuously to indicate the presence of input (Line) power, INPUT and OUTPUT may be reversed -- connect input power from line to OUTPUT and connect output load to INPUT (operation of the jumpers above also reverses).

PSPW2RB10

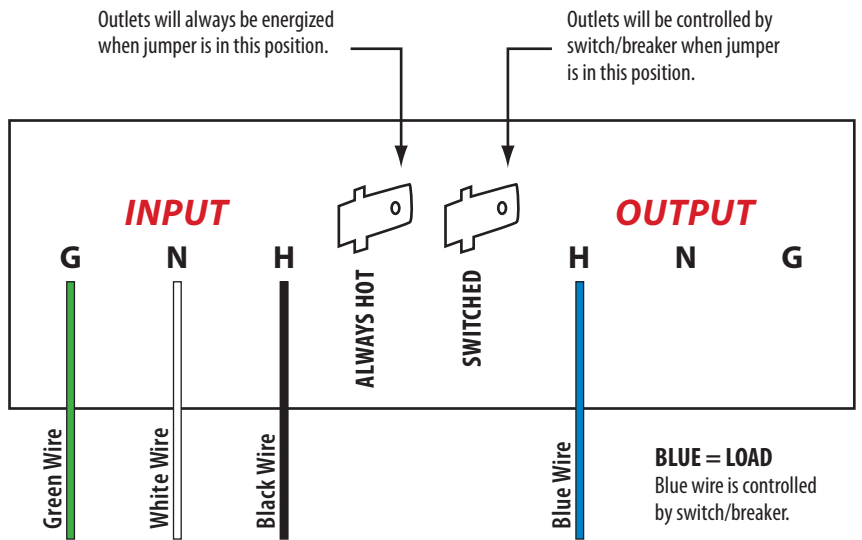
CIRCUIT BREAKER SWITCH & OUTLET COMBO
Enclosed Power Control Center, 10 Amp Switch / Circuit Breaker, 120 Vac, 2 Outlets, Wires



SPECIFICATIONS

Operating Temperature: -30 to 140° F
Circuit Breaker: 10 Amp Max.
Dimensions: 4.000" x 4.000" x 1.800"
 (w/ .500" NPT Nipple)
Wires: 16", 600V Rated
Approvals: UL Listed, UL916, C-UL, CE, RoHS
Housing Rating: Plenum, NEMA 1

Mounting: Enclosure may be mounted by using four holes in each corner on outside of enclosure (two screws provided) or by using three holes inside enclosure (screws not provided). Drill screws that create their own pilot-hole are recommended (may be ordered from Functional Devices, Inc. - see model DS80625).



Outlets will always be energized when jumper is in this position.

Outlets will be controlled by switch/breaker when jumper is in this position.

Green Wire

White Wire

Black Wire

Blue Wire

BLUE = LOAD
Blue wire is controlled by switch/breaker.

Notes:

» Indicator light will illuminate when switch/breaker is ON (RESET position) indicating power has been transferred from INPUT to OUTPUT by the switch/breaker. If it is desired for the indicator light to be illuminated continuously to indicate the presence of input (Line) power, INPUT and OUTPUT may be reversed -- connect input power from line to OUTPUT and connect output load to INPUT (operation of the jumpers above also reverses).

Power Control



SIB02S

PREPACKAGED SWITCH

Enclosed Switch 20 Amp, 3 Position Maintained, On/Off/On



Switch Ratings:

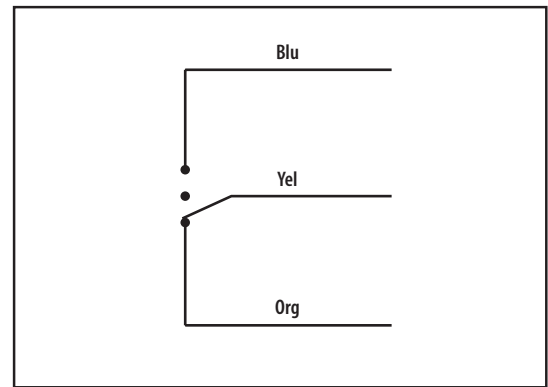
20 Amp Resistive @ 277 Vac
 1110 VA Pilot Duty @ 277 Vac
 770 VA Pilot Duty @ 120 Vac
 20 Amp Ballast @ 277 Vac
 10 Amp Tungsten @ 120 Vac
 2 HP @ 277 Vac
 1 HP @ 120 Vac

Notes:

» Switch position label can be custom printed according to your needs, simply consult factory



SIB02S-RD
» Red housing



SPECIFICATIONS

Operating Temperature: -30 to 140° F

Dimensions: 1.700" x 2.800" x 1.500"
(w/ .500" NPT Nipple)

Wires: 16", 600V Rated

Approvals: UL Listed, UL916, C-UL, CE, RoHS

Housing Rating: Plenum, NEMA 1

SIB04S

PREPACKAGED SWITCH

Enclosed Switch 20 Amp, 2 Position Maintained, On/On, 3 Wires



Switch Ratings:

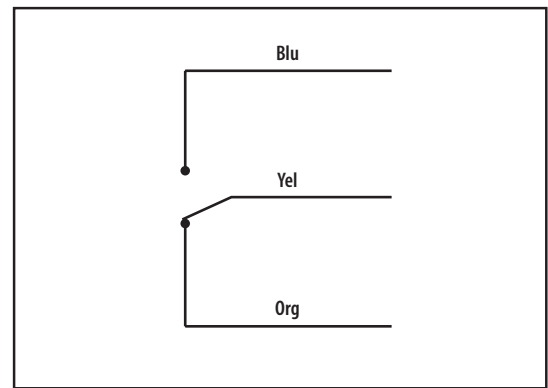
20 Amp Resistive @ 277 Vac
 1110 VA Pilot Duty @ 277 Vac
 770 VA Pilot Duty @ 120 Vac
 20 Amp Ballast @ 277 Vac
 10 Amp Tungsten @ 120 Vac
 2 HP @ 277 Vac
 1 HP @ 120 Vac

Notes:

» Switch position label can be custom printed according to your needs, simply consult factory



SIB04S-RD
» Red housing



SPECIFICATIONS

Operating Temperature: -30 to 140° F

Dimensions: 1.700" x 2.800" x 1.500"
(w/ .500" NPT Nipple)

Wires: 16", 600V Rated

Approvals: UL Listed, UL916, C-UL, CE, RoHS

Housing Rating: Plenum, NEMA 1

SIB05S

PREPACKAGED SWITCH

Enclosed Switch 20 Amp, 2 Position Maintained, On/Off, 2 Wires



Switch Ratings:

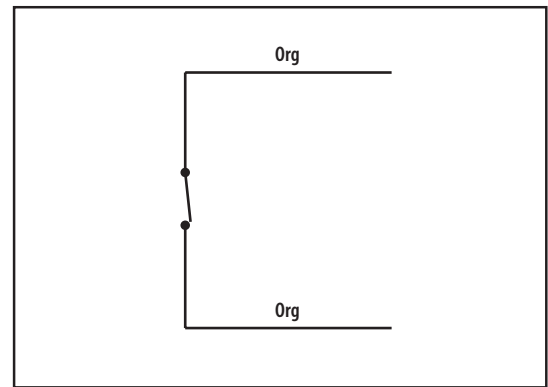
20 Amp Resistive @ 277 Vac
 1110 VA Pilot Duty @ 277 Vac
 770 VA Pilot Duty @ 120 Vac
 20 Amp Ballast @ 277 Vac
 10 Amp Tungsten @ 120 Vac
 2 HP @ 277 Vac
 1 HP @ 120 Vac

Notes:

» Switch position label can be custom printed according to your needs, simply consult factory



SIB05S-RD
» Red housing



SPECIFICATIONS

Operating Temperature: -30 to 140° F

Dimensions: 1.700" x 2.800" x 1.500"
(w/ .500" NPT Nipple)

Wires: 16", 600V Rated

Approvals: UL Listed, UL916, C-UL, CE, RoHS

Housing Rating: Plenum, NEMA 1

SIBLS

PREPACKAGED SWITCH

Enclosed Switch 5 Amp, 30 Vac/dc, 3 Position Maintained, On/Off/On with LED Indicator



Switch Ratings:

5 Amp @ 30 Vac/dc

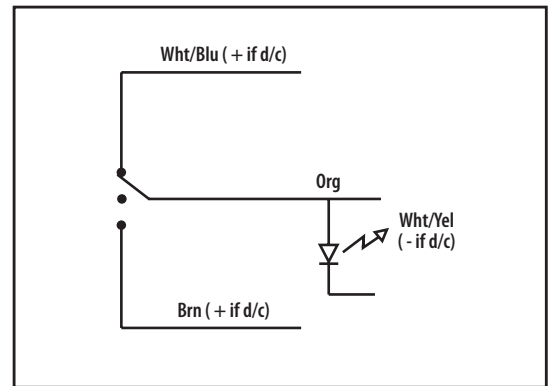
Notes:

» Switch position label can be custom printed according to your needs, simply consult factory

» Connection to Wht/Yel may be omitted if LED is not needed



SIBLS-RD
» Red housing



SPECIFICATIONS

Operating Temperature: -30 to 140° F

Dimensions: 1.700" x 2.800" x 1.500"
(w/ .500" NPT Nipple)

Wires: 16", 600V Rated

Approvals: UL Listed, UL916, C-UL, CE, RoHS

Housing Rating: Plenum, NEMA 1



PSMN01S SERIES

PREPACKAGED CIRCUIT BREAKER SWITCH
2.75" Track Mount Switch, 2 Position Maintained, On/Off, Circuit Breaker, 120 Vac

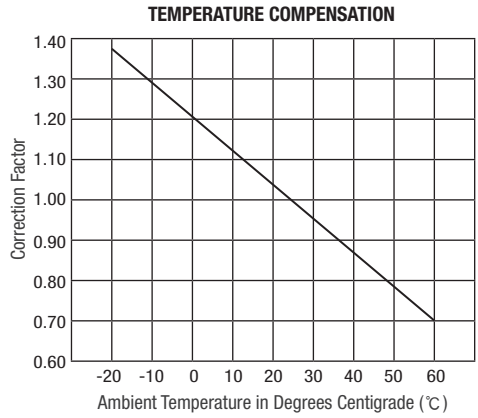


SPECIFICATIONS

Operating Temperature: -30 to 140° F
 Circuit Breaker: 4 Amp Max. and 10 Amp Max.
 Dimensions: 2.750" x 1.350" x 2.061"
 Track Mount: MT212-2 Mounting Track Provided
 Approvals: UL Listed, UL916, C-UL

PSMN01S Series

| MODEL # | CIRCUIT BREAKER |
|------------|-----------------|
| PSMN01SB4 | 4 Amps |
| PSMN01SB10 | 10 Amps |



Over Current / Short Circuit Protection and Switching



PSMN24S SERIES

PREPACKAGED CIRCUIT BREAKER SWITCH
2.75" Track Mount Switch, 2 Position Maintained, On/Off, Circuit Breaker, 24 Vac

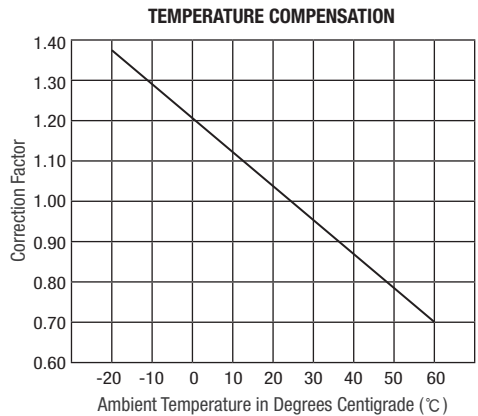


SPECIFICATIONS

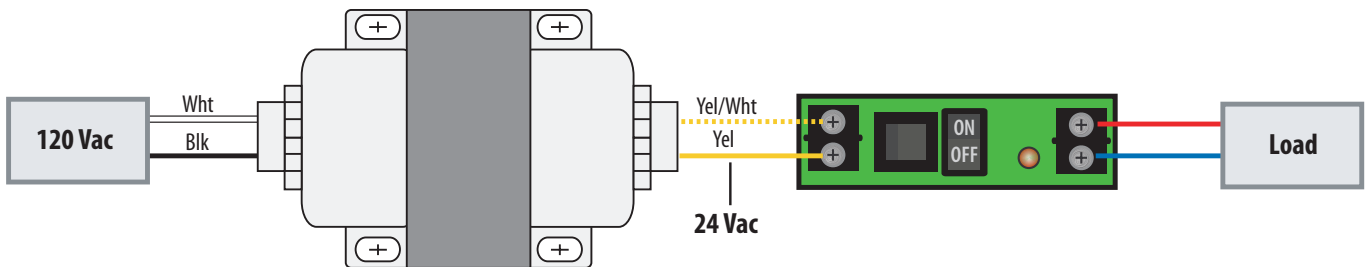
Operating Temperature: -30 to 140° F
 Circuit Breaker: 4 Amp Max. and 10 Amp Max.
 Dimensions: 2.750" x 1.350" x 2.061"
 Track Mount: MT212-2 Mounting Track Provided
 Approvals: UL Listed, UL916, C-UL

PSMN24S Series

| MODEL # | CIRCUIT BREAKER |
|------------|-----------------|
| PSMN24SB4 | 4 Amps |
| PSMN24SB10 | 10 Amps |



Over Current / Short Circuit Protection and Switching



Power Control

PSH550-UPS

UNINTERRUPTABLE POWER SUPPLY IN ENCLOSURE
 Enclosed 550 VA Power Supply, 120 Vac with Switch/Circuit Breaker



Shown Without Cover

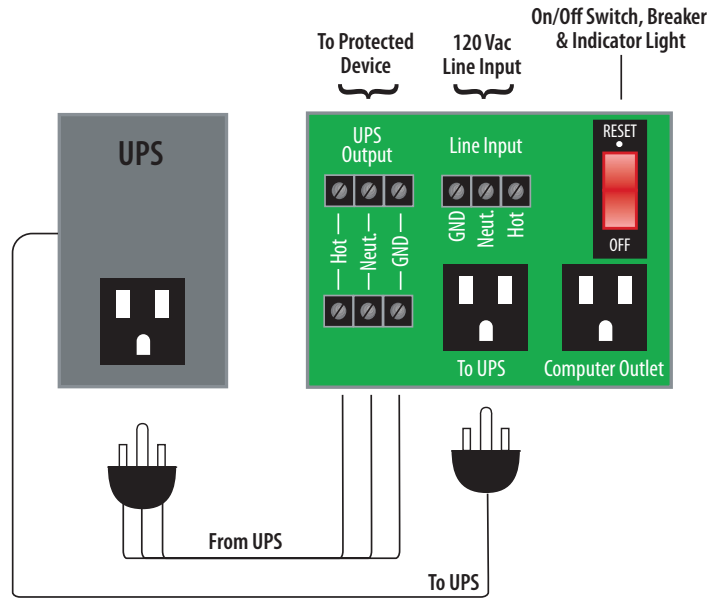


Shown With Cover



SPECIFICATIONS

- UPS:** 550VA
- Backup Time:** 3 Min. @ Full 550 VA Load
13 Min. @ 1/2 Load
- Input:** 120 Vac, 12 Amp
- Output:** 120 Vac, 4.6 Amp, 330 Watt
- Frequency:** 50/60 Hz
- Main Breaker ON/OFF:** Switch / Breaker (10 Amp)
- Approvals:** UL Listed, UL916, C-UL, CE, RoHS
- Dimensions:** 12.000" x 14.000" x 6.000"
Metal Housing with Screw Cover
- Weight:** 23.56 lbs.



Notes:

- » Track mounted interface board may be ordered separately as model PSM2RB10, to be used with any commercial UPS with appropriate ratings for the circuit breaker.

Notes