

FAILSAFE UPS POWER SWITCHER

Product Description

BackUPS is a power controller for ensuring reliable AC power to critical equipment that is powered with an Uninterruptible Power Supply (UPS). BackUPS constantly monitors the output of the UPS, and automatically bypasses the UPS if its output fails or becomes unstable.

BackUPS has two AC inputs: LINE and UPS. Line is plugged directly into a local AC socket; UPS is connected to the output of the UPS. If BackUPS senses that there is any interruption in the UPS output, it switches to Line, bypassing the UPS entirely. This keeps the load powered-up, and allows the UPS to be disconnected for battery replacement or other maintenance.

BackUPS includes a Delay timer that ensures the UPS output is stable before the UPS is switched online. Whenever the UPS output comes on, the system monitors its output for a preset time period. The UPS will be switched online only if the UPS output is stable

during this Delay interval. The Delay time can be set from 10 seconds to 16 minutes. The Fast Response Mode can be enabled to detect UPS power interruptions as short as 10mS. The Delay timer can be defeated if it is not needed.

BackUPS is fully automatic once installed. The Mode switch can select a manual UPS Bypass mode, or automatic operation with or without the Delay feature. BackUPS can also be remotely monitored and controlled. A DC output signal is provided to indicate when the UPS is online. The Remote Bypass Input allows the unit to bypass the UPS via a GPI control input. BackUPS can also be used as a "remote reboot" device, to reset and reboot equipment via off/on power cycling.

BackUPS can supply up to 15 amps of AC current to the load. It is housed in a heavy duty plastic enclosure and can be mounted using integral mounting flanges. Standard AC input cords with IEC connectors are supplied, as is the mating Remote connector.



Front

Back

Technical Specifications

Inputs	2: From Line, From UPS
Input voltage	120VAC, IEC connector x2
Output	120VAC, Duplex outlet, 15A
Modes	UPS Bypass, Automatic, with or w/o Delay
Indicators	LEDs for AC power-on, UPS-on, Delay
Delay Time	10 seconds – 16 minutes, ±10%
Status Output	+12VDC when UPS is active
Control Input	GPI or DC voltage to force Bypass mode
Physical	6.30" x 4.60" x 2.00", 2 lbs

Typical Application

