

Low-Cost Remote Power Reboot Switch with IEC320 C13 Outlet & 2 Digital Inputs/Outputs

ENVIROMUX®

Remotely control power on/off/reboot to a server, router, web cam, firewall or other remote device over IP.

- Two operating modes for power reboot:
 - Manual – select the outlet and turn the power on/off/cycle.
 - Auto – scheduled, triggered, or configurable combination
 - ◆ Scheduled – set date/time/duration of power cycle.
 - ◆ Triggered
 - Power on/off a device when a sensor connected to the digital input changes state.
 - Reboot (power cycle) and control power (on/off) to unresponsive IP devices that are connected to the PWR-RMT-RBT-C13 power outlet.
- Configure, control, and monitor the unit via the easy-to-use web interface or HTTP REST API – makes it easy to control power from anywhere in the world.
- Two digital inputs to monitor alarm contacts, environmental sensors, relays, and switch closures.
 - Shut down power when water or other environmental threats are detected.
- Two digital open collector outputs for control of external devices – drive relays for process control, security, and environmental controls.
 - Digital outputs activate upon triggered event or via the user interface.
- Monitor (ping) up to two IP network devices.
 - Unresponsive IP devices can be configured to trigger the outlet of PWR-RMT-RBT-C13 to power on/off/cycle.
- Automatically configures network settings received from a connected DHCP server.
 - If a DHCP server is not found, the default static IP address will be used.
- Dual password protection with separate user and administrator passwords.
- Integrated mounting brackets for easy surface/wall mounting.
 - Optional DIN mounting available.
- The Remote Reboot Switch is the ideal solution for many applications, such as:
 - Remote reboot of any device, router, server, kiosk, etc. The device need not be network attached.
 - Secure sensitive devices by keeping them powered off when not in use. This prevents hackers from detecting them at all times.
 - Power down equipment when not needed for power savings and to save on wear and tear.
 - Power up alert devices (sirens or lamps) or environmental systems (heaters, coolers, pumps, etc.)
- Cascade an unlimited number of PWR-RMT-RBT-C13 using the digital I/O screw terminals.
 - For a single user interface, use with E-MNG-SH Self-Hosted Enterprise Environment Monitoring System Management Software. (Support coming soon.)
- Flash upgradeable.
- Features coming soon:
 - Compatibility with E-2D, E-5D, and E-16D as an IP sensor.
 - Compatibility with E-MNG-SH Self-Hosted Enterprise Environment Monitoring System Management Software



PWR-RMT-RBT-C13 (Front and Back)



The ENVIROMUX® Remote Power Reboot Switch is used to remotely reboot and control power (on/off) to a server or other powered device over IP.

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Specifications

Power

- 90 to 264 VAC at 50 or 60 Hz
- Power switching: up to 15 Amps at 105-125 VAC, 10 Amps at 210-240 VAC
- Power consumption: 1.4W max
- Input connector: one IEC 320 C14 plug
 - IEC 320 C13 to country-specific power cord included for connecting to AC source.
- Output connector: one IEC 320 C13 receptacle
 - IEC 320 C14 power cord for connecting to device sold separately.

Digital Inputs

- Two screw terminal pairs for connecting dry contact devices
- Accepts 26 to 16AWG wire
- Potential free
- Voltage range: 0 to +36VDC
- Over-voltage surge protected

Digital Outputs

- Two screw terminal pairs for open-collector outputs
- Accepts 26 to 16AWG wire
- Rated sink current: 500 mA per output
- +5VDC, 22kΩ pull-ups
- Voltage range: 0 to +24VDC
- Over-voltage surge protected

Network Interface

- One female RJ45 connector.
- 10Base-T Ethernet interface, 10/100 network compatible.
- 5 ft (1.52 m) CAT5E cable included.

Protocols

- HTTP, TCP/IP, DHCP
- Auto-ping TCP Protocol
- Operates and configures via HTTP web page.
 - Supports Microsoft Edge, Firefox 1.5 and higher, Google Chrome, and Safari 1.3 and higher (for MAC).
- Supports HTTP REST API to control power on/off with response in JSON format.

Environmental

- Operating and storage temperature: -4 to 167°F (-20 to 75°C).
- Operating and storage relative humidity: 0 to 90% non-condensing RH.

Dimensions

- WxDxH: 4.46x4.19x2.13 in (113x106x54 mm)
- Includes mounting holes to match rack hole spacing.

Regulatory Approvals

- CE, RoHS
- TAA compliant

Warranty

- Two years

Compatible NTI Products

- Combine NTI's extenders, switches, splitters and cables for complex applications
 - WiFi Range Extender (E-WIFI-RE)
 - ♦ Use to create a Wireless Remote Power Reboot Switch

