



240v smart outlet

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Your average smart switch can only handle somewhere between 10 and 15 amps of electrical current. That's fine for switching a few lamps or even a coffee maker. But if you want to do some heavy duty switching (for example, an electric garage heater or a pool pump), you'll need more power.

ThumbnailDescriptionCTA Best OverallGE Enbrighten Z-Wave Plus 40A Smart SwitchRobust enclosure and terminals for long lasting performance

It took some digging, but I found several smart switches that can handle heavy loads available on Amazon. Most of these switches are marketed for the purpose of controlling pool pumps/heaters/lights. However, you can use them for whatever purpose you need.

Full disclosure: I started researching these products because I wanted to add smart control to my electric garage heater. However, instead of buying one of these finished products, I decided to go the DIY route (see my step-by-step tutorial).

1Best OverallGE Enbrighten Z-Wave Plus 40A Smart Switch-40A Resistive current rating-120V-277V operating voltage-Z-Wave, repeater-Supports energy monitoring-NEMA-3R lockable metal enclosure

The electronics of the GE switch are housed inside a weatherproof (NEMA 3R) lockable metal enclosure. It has a manual override switch on the outside of the enclosure. The wire terminals are robust and built for low gauge wiring. There's plenty of room to route wires and hook up more than one device if necessary.

Since it is Z-Wave, you will need a Z-Wave hub to control it remotely. Z-Wave is an excellent protocol for people that are serious about home automation, but the hubs don't come cheap. Therefore, if you're a more casual smart home user, you are probably better off with one of the WiFi based switches.

Using your Z-Wave hub, you can remotely turn the switch on/off, set schedules, and monitor energy usage. The device acts as a Z-Wave repeater and the external antenna is capable of transmitting the Z-Wave signal up to 150 feet.

1Best ValueSuriaielec WiFi Pool Timer, Outdoor Smart Switch-40A resistive current rating-120V-277V operating voltage-NEMA 3R enclosure-UL, ETL listed-uses WiFi with Tuya Smart Life app-compatible with Alexa, Google, and IFTTT

It uses WiFi and the Tuya Smart Life app to connect to your smart home, so you don't need any extras to get this working. You can use the app to easily setup timers, schedules, or setup other automations.



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If you've never heard of Surailec, you're not alone. They are one of those sketchy brands that exist only on Amazon. However, they've been around for a couple years and seem to have built a decent reputation. You can find other smart switches nearly identical to this one but sold under other brand names (DEWENWILS and BN-LINK are two popular ones). The reason I listed the Surailec product here rather than the other ones is simply because their Amazon product pages are more detailed and professional looking.

1Best for Long RangeAeotec Heavy Duty Smart Switch-40A resistive current rating-220V operating voltage-Supports energy monitoring-Z-Wave-Long range antenna

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