

HEAVY-DUTY POWER CONTROLLER

Don't leave high-voltage systems out of your home automation projects!

Automating high voltage systems is now possible with the Card Access™ Heavy-Duty Power Controller, a high-voltage power controller specifically designed for use with the Control4® wireless home automation system. Ideal for new construction and retrofitting existing homes, common applications for the product include controlling:

- Switched sport court lighting
- Switched high-wattage indoor light fixtures (chandeliers)
- Small water heaters, space heaters and floor heaters
- Attic or whole-house fans
- US commercial voltage lighting
- Heavy motorized perimeter gates
- Spa, pool, and fountain pumps

Seamless Integration with the Control4 System

With the Heavy-Duty Power Controller, homeowners can turn high-voltage systems on or off using a Card Access Mini Remote, Control4 keypad, or 4Sight™ service from remote locations—not to mention Composer™ programming control utilizing variables, various states, or the time of day.



The product consists of two high-voltage, independently configurable 100-240VAC 30 amp relays to control resistive loads, ballast-type loads and motor loads in residential or commercial applications.

The Heavy-Duty Power Controller also includes four low-voltage “dry contacts” to support external dry contact sensors or hard-wired manual override controls. This feature allows manual control of the high-voltage relays independent of the Control4 system.

The Heavy-Duty Power Controller is powered using one of two methods: 100-240V AC line power or 12V DC power supply.

The Heavy-Duty Power Controller must be installed into high-voltage systems by locally qualified and licensed



electricians. Any qualified and trained Control4 dealer can then add the product to the project and configure the operation of the relays.

Heavy-Duty Construction for Heavy-Duty Applications

Housed in a metal enclosure with an external antenna to enable ZigBee® control, the Heavy-Duty Power Controller is designed for permanent mounting in a fixed location. It requires a safe, moisture-free location, in accordance with all local and national electrical codes. Fixed wiring must also include the appropriate accessible disconnect devices (i.e. a circuit breaker). Power cables can be connected to the product using conduit or by connecting flexible power lines to the product with feed-through cable clamps.

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Specifications

MODEL NUMBER

- HPC10A-ZP

AVAILABLE COLORS

- Black

DIMENSIONS

- 4.6" (H) x 10.5" (W) x 2.2" (D)
- 117mm (H) x 267mm (W) x 56mm (D)

WEIGHT

- 2.78 lbs (1.26 Kg)

NETWORKS SUPPORTED

- Control4 ZigBee PRO mesh networking protocol, based on the IEEE 802.15.4 ZigBee standard

DATA RATE

- 250kbps

FREQUENCY RANGE

- 2.405 - 2.475 GHz

POWER INPUTS

- 100-240V AC at 50/60Hz, 0.1 A
- 12V DC, 200mA

RELAY CONTACT LOAD RATINGS (PER RELAY)

Voltage	Load Type	Contact Rating
240VAC	General Purpose	30 Amps
240VAC	UL Resistive	25 Amps
120VAC	Motor	1 HP
240VAC	Motor	2 HP
277VAC	Ballast	10 Amps

WIRING REQUIREMENTS

- Low Voltage: 20-28 AWG gauge wire (dry contact only)
- High Voltage: 8-14 AWG gauge wiring, dependant on load
- NOTE: An accessible disconnect device shall be installed into the fixed wiring. The device must be wired by an authorized electrician in accordance with the National Electrical Code, ANSI/NFPA 70. In the EU, the unit must be wired by an authorized electrician in accordance with all applicable European codes.

OPERATIONAL ENVIRONMENT

- This Type 1 device shall be mounted in a dry, moisture-protected location in accordance with National Electrical Code.
- For use in pollution degree #2 environments.

LINKED RELAY MODE

- Default Motor Delay Time: 15 seconds
- Default Relay Delay Time: 500m seconds (0.5 sec)

INTEGRATED FEATURES

- Two (2) Relay Outputs
- Four (4) Contact Sensor Inputs

ENVIRONMENTAL

- Operational -20°F to 140°F (-28°C to 60°C)
- Humidity 10% to 90% Non-Condensing
- Storage -20°F to 158°F (-28°C to 70°C)

REGULATORY / CERTIFICATIONS

- FCC Part 15, B
- RoHS-compliant
- CE
- ETL (legally equivalent to the UL and CSA Listing Marks for standards compliance)

REGIONAL SAFETY APPROVALS

- United States
- Canada
- European Union (most countries)

CONTROL4 SYSTEM REQUIREMENTS

- Control4 Home Controller
- Control4 Version 1.8.0 or greater

Order the Card Access Heavy-Duty Power Controller by visiting the Card Access website at:

www.cardaccess-inc.com/automation



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