

POWER CONTROLLERS & CUSTOM SOLUTIONS



HBCControls **Power Controllers** are assemblies that utilize solid state relays to provide electrical isolation and switch power to an AC or DC load, such as a heating element or motor.

HBCControls offers standard and custom **Power Controllers** that are ideal, eco-friendly substitutes for electromechanical relays and mercury contactors in applications where long-life, reliability, fast switching, silent operation or shock & vibration resistance are required.



Long Life:

Solid state relays have no moving parts, which eliminates mechanical wear & tear. The typical MTBF for an SSR is more than several million hours



Silent Operation:

SSRs do not generate acoustical noise when they turn on/off, making them the preferred solution in many commercial and residential applications



Shock & Vibrations Resistant:

The lack of moving parts make SSRs an ideal solution in harsh environments susceptible to shock & vibration



Fast Switching:

Instantaneous turn-on SSRs (also called "random" or "asynchronous" SSRs) can respond to an input signal in less than 100 microseconds

Accurate Temperature Control, Corp | HBCControls Authorized Distributor

Heating Control



Professional Ovens
Thermoforming
Injection Molding
Industrial Ovens
HVAC&R

Solar Trackers
Conveyor Systems
Lifts & Hoists
Pump Systems
Fans and Valves

Motion Control



Theatrical Systems
Warehouse Lighting
Commercial Lighting
** Lighting applications often require customized solutions*

Lighting Control

UPS Systems
Power Supplies
Inverters
Transformers



Power Control

POWER CONTROLLERS & CUSTOM SOLUTIONS



WHY HBCCONTROLS?

- Flexible, application-specific custom designs
- Large inventory of standard Power Controllers
- Extensive technical support capabilities
- Quick design and order turn-around
- National presence / international coverage
- Passive and active cooling solutions
- Agency recognized solid state relays



SINGLE-PHASE POWER CONTROLLERS UP-TO 100A @ 40C (100% DUTY-CYCLE)



THREE-PHASE POWER CONTROLLERS UP-TO 100A PER PHASE @ 40C (100% DUTY-CYCLE)



PROPORTIONAL CONTROL; PHASE-ANGLE OR BURST-FIRE CONTROLLERS



COMPACT 10A DIN MOUNT AC OR DC CONTROLLERS



0-10V PROPORTIONAL CURRENT TRANSDUCERS AND 120/240/480 DIN-MOUNT STEPDOWN TRANSFORMERS

**ACCURATE
TEMPERATURE
CONTROL
CORPORATION**

Since 1977

3500 PARKWAY CENTER COURT • ORLANDO, FL 32808
1-800-393-6800 • TECH SUPPORT 407-222-1687
SALES@ACCURATE100.COM • WWW.ACCURATE100.COM

Accurate Temperature Control, Corp | HBCcontrols Authorized Distributor