hammond
POWER SOLUTIONS

CONTROL TRANSFORMERS

Molded Style, Open Style, General Purpose Enclosed

HPS Control Transformers

Why Choose HPS Control Transformers

HPS Control Transformers are built to keep your systems running safely and efficiently. Designed for industrial panels, motor control, and automation systems, they offer unique features such as a first-of-its-kind single-point ground connection, along with optional finger-safe terminal guards and industry-standard fuse holders for added safety. With one of the industry's most comprehensive product ranges, HPS delivers stable, isolated power to control circuits, protecting sensitive equipment and keeping your operations reliable in even the toughest environments.

Industry-Leading Warranty Coverage – We stand behind our control transformers with some of the strongest warranties in the industry, including a lifetime warranty on our molded-style control transformers and a 15-year warranty on our general purpose enclosed and open style control transformers.

Space-Saving Innovation – Our open-style control transformers are up to 20% smaller than competing designs, maximizing panel space and making them ideal for tight enclosures and modular layouts.

Safety Redefined – The patent-pending single-point grounding system simplifies grounding and bonding, enhances safety, reduces installation time, and ensures compliance with electrical codes and standards.

Three Styles to Suit Your Application

HPS offers three control transformer styles to meet the unique needs of different environments and installation types:

Molded Style –Durable and built for high inrush applications, encapsulated coils protect from moisture and airborne contaminants.

Open Style – Compact and versatile, perfect for panel builders, OEMs, or tight enclosures.

General Purpose Enclosed – Ready-to-install in a metal enclosure for light-duty industrial and commercial applications.

Feature/Application	Molded Style	Open Style	Enclosed
Industrial and light duty loads (HVAC, signal & alarm systems, lighting, and circuit isolation)	✓	✓	✓
High inrush applications (relays, solenoids, magnetic starters)	Best	Good	Good
Coil protected from debris, dust and damage	✓	✗	✓
Secondary fusing options	✓	✓	✓
Primary fusing options	✓	✓	✗
Integrated ground screw	✓	✓	✓
Compact design for tight spaces	✗	✓	✗

Applications

Process Controls

Panel Shops & Control Boards

Machine Automation

HVAC Panels

Power Timers, Solenoids and Controllers

Battery Storage

Features & Benefits

Built for Reliability and Performance

- **25 standard voltage combinations** support diverse applications, from automation to battery storage.
- **High inrush and continuous operation design** handles relays, solenoids, contactors, and timers.
- **Copper-wound coils, durable insulation**, and silicon steel laminations deliver stable, consistent voltage and long life.
- **Welded core and base construction** ensure mechanical strength and easy installation.
- **Vacuum-impregnated coils** improve thermal performance and protection.

Sustainable & Local Manufacturing

- **Foam-free, recyclable cardboard** packaging supports environmentally conscious operations.
- **Proudly built in North America** for faster lead times and responsive service

Simplified Installation & Compliance

- **Patent-pending single-point grounding system** (molded & open styles) ensures safe, code-compliant connections
- **Standard fuse block mounting plate** (molded & open styles) supports primary and secondary fusing, saving space and installation time.
- **Optional fuse kits and finger-safe accessories** available for added protection.
- **Meets top industry safety standards** with CSA certification, UL listing, CE marking*, RoHS compliance, and NEMA construction standards.

**The general purpose enclosed transformer is not CE marked.*

Long-Term Warranty Coverage

- **Lifetime Warranty** on molded style control transformers.
- **15-year Warranty** on open and general purpose enclosed control transformers.

Part Numbering Structure

Family	Generation	Type	VA				Primary & Secondary Voltages				Fuse Block	Options*		
C	2	M	0	1	0	0	M	Q	M	J	-1	-	-	-

Family
C - Control
Generation
2 - Generation 2nd
Type
M - Molded Style **G** - Open Style **E** - Enclosed Style

VA Code	VA
0050	50
0075	75
0100	100
0150	150
0250	250
0350	350
0500	500
0750	750
1000	1000
1500	1500
2000	2000
3000	3000
5000	5000

Volt. Code	Primary	Secondary	Max VA	Type G	Type M	Type E
ACP	600/480	120 X 240		✔		✔
AJ	600	120 X 240		✔	✔	
AR	600	24	500VA	✔	✔	✔
DJ	277/208	120 X 240			✔	
KHP	380/347	120 X 240		✔		✔
KHR	380/347	24	500VA	✔		✔
MBMH	575/460/230	115/95	3000VA	✔	✔	
MEI	415/400/380	120/24	500VA	✔		
MEMX	415/400/380	110 X 220			✔	
MER	415/400/380	24	500VA	✔		
MGJ	380/277/208	120 X 240			✔	
MLI	460/230/208	115/24	1000VA		✔	
MQM	230 X 460	115	3000VA	✔		
MQMJ	240 X 480	120 X 240		✔	✔	✔
NJ	277	120	1500VA	✔		✔
PP	120 X 240	120 X 240			✔	
PR	120 X 240	24	1000VA	✔	✔	✔
QR	240 X 480	24	500VA	✔	✔	✔
SP	208 X 416	120 X 240		✔	✔	✔
SR	208 X 416	24	500VA	✔		✔
TI	347/277/240/208	120/24	500VA	✔		
XI	575/460/400/230	115/24	500VA		✔	
XMH	575/460/400/230	115/95	3000VA	✔		
YJ	800	120 X 240		✔		
ZJ	690	120 X 240		✔		

Fuse Block
-1- Primary CC Fuse Block*

**This character should be blank if all the following characters are default values or not selected.*

G = Open
M = Molded
E = Enclosed