



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# HAMMOND MANUFACTURING®



## Industrial & Commercial Electrical Enclosure Overview

Industrial Enclosures | Corrosion Resistant Enclosures  
Disconnect Enclosures | Modular Freestanding Enclosures  
Operator Interface Enclosures | Wireway & Trough  
Commercial Enclosures | Climate Control | Accessories

# Service Excellence

*Our difference is industry leading service you can trust.*

We know there are many enclosure supplier alternatives, but it's our service that makes Hammond different.

We've committed our people and resources to ensuring you get exactly what you need, when you need it.



Hammond Distribution Center



## What you can expect:

- 95% Fill Rate From Stock.
- 10-Day Back Order Recovery.
- Superior Delivery Service.
- Helpful and Knowledgeable Inside Sales Team.

## What Service Excellence means for you:

In today's competitive business climate, the Hammond focus on service helps you where it counts most – on the bottom line.

Superior fill rates means less inventory for you

Quick, reliable delivery means fewer expedites and costly project delays

Efficient phone support means less time waiting, more time doing what you do best



# Broad Product Selection

*...Product solutions for virtually any application*



Our comprehensive Electrical Products Guide details our extensive offering of standard enclosure products - open the flaps of this brochure for an overview by product group.

When a standard enclosure isn't exactly what you need, Hammond offers various modification options.

## Here's some of what you can expect:

Industrial Type 12, 4, and 4X enclosures

UL and CSA product approvals

Various construction materials - mild steel, 304 stainless steel, 316 stainless steel, aluminum and polyester

Sizes ranging from the smallest junction box to the largest multi-door freestanding enclosure

Modification Services program which includes cutouts, size changes, custom paint finishes, etc.



## hammondmfg.com

*A library of enclosure specification tools available instantly.*

The web provides yet another option in collecting product information. Our website is mobile friendly and kept current to ensure you have the most accurate information. Visit **hammondmfg.com** regularly as it's being continually enhanced to add more useful functionality.

### Our Website Features Include:

- Our Electrical Products Guide available in PDF format
- CAD drawings available in DXF/STEP/PDF Formats
- Complete listing of North American distributors
- Online literature downloads and request forms
- Current price lists in both Excel and PDF formats
- Advance search enclosures by size & type
- Competitor cross reference

## Industrial Enclosures



*Our line of industrial enclosures covers a broad spectrum of design needs - clamped covers, ¼ turn latch covers, window doors, dual access, panel mounting, DIN rail mounting, 19" rack mounting, etc.*

From small junction boxes to 5 door freestanding enclosures, we have your size. Most designs are also available in both indoor (NEMA 12) and outdoor (NEMA 4) versions.

### Product Highlights

- NEMA 12 and NEMA 4 mild steel
- **Junction Boxes/JIC Enclosures** - over 30 sizes - traditional clamped covers, screw covers.
- **Wallmounts** - over 110 sizes - traditional clamped covers, modern ¼ turn doors, double doors, sloped top enclosures.
- **Floormount** - over 20 sizes - double doors with handles, double doors clamped.
- **Freestanding** - over 30 sizes - 1 to 5 door versions, single and dual access.



1414 NEMA 4 PH Enclosure



Eclipse Single Door Enclosure



1422 Floormount Enclosure



1418 Freestanding Enclosure



*The Eclipse Junior Series, features a crisp, modern design. The EJ provides an efficient quarter turn latch system; an easy-ground galvanized back panel and an FTC style lip for superior protection against flowing liquids. The EJ is conveniently offered with a combined Type 12 and 4 rating.*

## Corrosion Resistant Enclosures



*When environments get harsh, enclosures must be even more durable. The Hammond line of NEMA 4X enclosures features numerous construction materials to suit varying corrosion resistance needs. Materials used include stainless steel, aluminum and fiberglass reinforced polyester.*

### Product Highlights

- NEMA 4X
- 304 Stainless Steel - over 250 SKU's - junction boxes, wallmounts, floormount and freestanding
- 316L Stainless Steel - over 150 SKU's - junction boxes, wallmounts and freestanding
- Fiberglass Reinforced Polyester - over 500 SKU's - Junction Box/instrument cases, JIC boxes, wallmounts
- Aluminum - over 20 SKU's - junction boxes, wallmounts
- Aluminum Die cast - over 70 SKU's - Junction box/instrument cases



1414 NEMA 4X Stainless Steel Enclosure



Eclipse Stainless Steel Enclosure



PJ Raised Lid Polyester Enclosure



1590 Diecast Aluminum Enclosures



### Did you know?

*Choosing the appropriate construction material is important, as the NEMA 4X rating is not a guarantee to corrosion resistance in all circumstances. Acids, alkalis and solvents react differently to different materials. With our wide and varied offering, Hammond can help guide you to the proper selection.*

## Disconnect Enclosures



*Disconnect enclosures feature cutouts for compatibility with flange mount disconnect switches and circuit breaker operators. Our units are compatible with ABB, Allen-Bradley, C-H Westinghouse, GE, ITE and Square D.*

### Product Highlights

- NEMA 12, NEMA 4 and NEMA 4X
- **Wallmount** - Allen Bradley 1494V compatible version, multi-vendor version
- **Floormount** - standard and center post cutout in multi vendor versions
- **Freestanding** - 1-5 door heavy duty and modular systems in multi vendor versions



EN4DSC Single Door Disconnect Enclosure



2UD Double Door Disconnect Enclosures



UHD Heavy Duty Disconnect Enclosures

## Modular Freestanding Enclosures



*The flexibility of our modular freestanding enclosure system permits stand-alone use or multiple applications to be combined in one continuously joined system. Hammond systems come preconfigured for easy ordering and without costly assembly.*

### Product Highlights

- NEMA 12
- **HME Series** - single door units with 3 heights, 4 widths and 4 depths
- **HME Series** - double door unit
- **HME Series** - flange mount disconnect version
- **IPC Series** - industrial housing for CPU's, monitors, keyboards and peripherals



HME Single Door Enclosure



HME Double Door Enclosure



IPC PC Enclosure

### HME Means Value

*The Hammond approach to modular freestanding enclosures is value. A fully assembled unit saves labor costs. We've also included value added features at no extra charge - locking handle, integral plinth, and base cover*

## Operator Interface Enclosures



*This product group includes numerous enclosures to house components specifically designed for operator interface. Flexible options permit the design of an ergonomic workstation.*

### Product Highlights

- **Consoles** - NEMA 12, 4 and 4X - sloped consoles, modular systems, data terminal stations
- **Suspension Systems** - enclosures, light to heavy duty swing arms
- **Pushbutton Enclosures** - mild steel, stainless steel and fiberglass reinforced polyester for both standard and 22mm pushbuttons



Series 2000 Console



1437 Pushbutton Enclosure



*The TaraPlus suspension system will accommodate enclosures and equipment up to 110 lbs. With numerous fixed, rotating and tilting system components, the ideal configuration can be created for your application.*

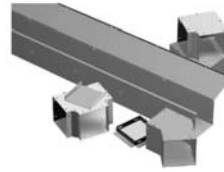
## Wireway & Trough



To protect cabling projects like machine building and general plant wiring, Hammond offers a versatile system of sections, elbows, tee fittings and other components.

### Product Highlights

- NEMA 1, 3R and 12
- **Lay In Wireway** - NEMA 1 and NEMA 12 Hinged and Screw Cover
- **Pull Through Wireway** - Hinged Cover
- **Wiring Trough** - NEMA 3R and NEMA 12



Type 1 Lay-In



1485 Wiring Trough

## Commercial Enclosures



Where protection requirements are less severe, a commercial grade enclosure may be suitable. NEMA 1 are designed for indoor use and protect against incidental contact and a degree of falling dirt. Our full NEMA 3R line is ideal for many outdoor applications.

### Product Highlights

- NEMA 1 Contractor - boxes, splitters, meter cabinets
- NEMA 1 Panel Enclosures - over 70 SKU's - wallmount and surface mount designs
- NEMA 3R Junction Boxes - over 50 SKU's
- NEMA 3R Panel Enclosures - over 40 SKU's



CSKO



C3RSC



N1J

## Climate Control



As a key enclosure accessory, Hammond offers an extensive climate control package. An enclosure often houses heat-generating equipment. Left alone, heat build up can negatively affect an electrical/electronic system's overall performance and perhaps cause failure. Also, some enclosures are exposed to extreme ambient temperatures, both cold and hot, which need climate control.

### Product Highlights

- **Cooling** - air conditioners (NEMA 12, 3R and 4X), fans, blowers and filter grills
- **Heating** - convection and forced air heaters
- **Controls and Ventilation** - thermostats, humidistats, breather kits



Air Conditioners



Heaters



Thermostats

## Enclosure Accessories



To ensure a complete product solution, a number of accessory alternatives are offered.

### Product Highlights

- **Hardware** - clamps, handles, latches and screws
- **Hole plugs** - mild steel and stainless steel
- **Equipment Mounting** - inner panels, swing panels, swing frames, DIN rails
- **Power bars** - heavy duty industrial grade, 19" rack mount, vertical strips
- **Other** - signal lights, cabinet lighting, window kits, casters, paint, etc.



Handles



Stack Lights



Hole Plugs

## Racks & Cabinets



*Serving telecom/datacom and electronic applications, Hammond offers a wide variety of rack mount products and accessories built to EIA standards.*

### Product Highlights

- Pre-configured cabinets - networking, general purpose
- Contempra Series cabinets - commercial and Type 12 versions, over 40 sizes, welded frame, variety of door, top and side options, several stock colors
- REFK Series racks - economical knockdown unit, over 40 sizes, variety of door options, several stock colors
- Relay racks - aluminum and welded steel
- Table top - light and heavy duty cabinets, relay rack
- Wallmount cabinets - 3 piece swing out and open frame
- Cable management - horizontal and vertical
- Cooling products - fan tops, fan trays, blowers
- Rack mount accessories - blank panels, shelves, drawers



*Extensive stock, and a rapid assembly, means you get your products fast.*

## Electronic Products



### Small Electronics Cases

- Plastic - general purpose, miniature, T cases, heavy duty, hand held, low profile, consoles, instrument cases, potting boxes
- Die cast Aluminum – general purpose, light duty watertight, heavy duty watertight, P.C. card guide
- Metal - rack mountable, instrument cases, utility, chassis, sloped console
- Excellent modification capabilities



### Outlet Strips

- Metal outlet strips – Industrial grade, hospital grade, 15 or 20 Amp
- Rack mount power panels – front receptacles, rear receptacles
- Vertical outlet strips – multiple lengths, 15 or 20 amp
- Surge suppressors - 200-2000 Joules
- Other - international receptacles, plastic power bars, custom designs
- Custom designs



### Electronic Transformers

- Power transformers
- Chokes and Reactors
- Audio Transformers
- Class 2 Energy Limiting Transformers
- Pulse Transformers
- Line Transformers

**For Drawings, Product Information and More:**

**Visit our Website**

**[www.hammondmfg.com](http://www.hammondmfg.com)**



**Want more information on Hammond Products?**  
*hammondmfg.com is the most up to date resource for all Hammond Products.*



**Easily access the product information you need - it's just a click away!**

## **Other Products Available from Hammond**



**Racks/Cabinets**



**Small Cases**



**Outlet Strips**



**Transformers**

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