



## **Vacuum Limitamp® 2-High, Medium-Voltage Motor Control (CR194)**

*Introducing GE's new 2-high  
compact or draw-out design*

*5kV 400A stationary vacuum contactor  
design*

*2-high stacking with full top/bottom  
compartment isolation*

*Bolted frame construction provides an  
accurate and simple building platform.*

*Industry's smallest size: 36"W x 30"D x  
90"H (optional 40" width available)*

*Roomy, door-in-door low voltage  
compartments*

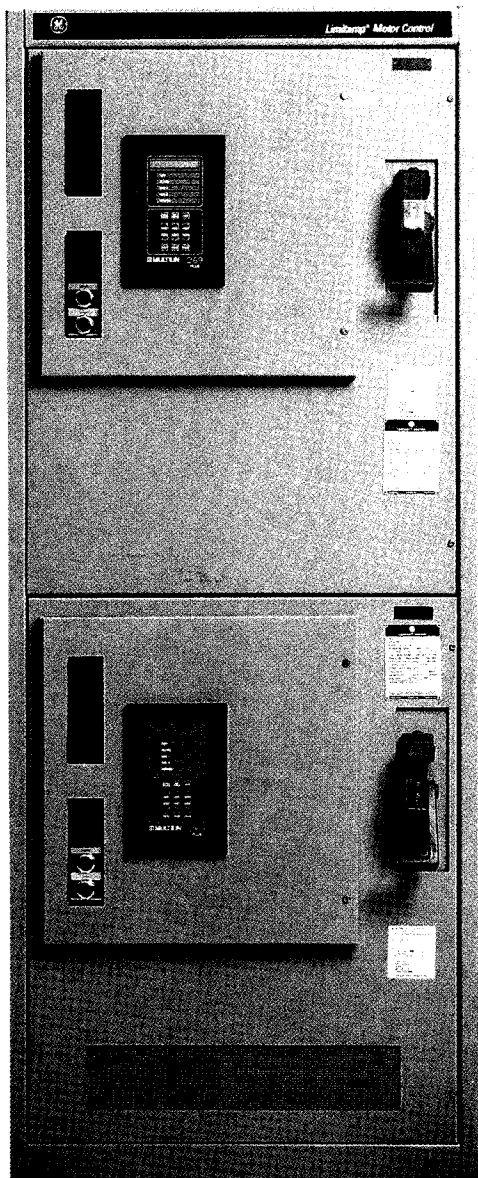
*Epoxy insulated main and vertical bus*

*1200A or 2000A main bus ratings*

*Front or rear accessible main bus with  
matching line-up to existing Limitamp*

*Available in NEMA 1, 1A, 2 or 12 indoor  
enclosures; NEMA 3R outdoor walk-in  
or non-walk-in*

*UL/CSA approved*



**Now Available in  
Both Stationary and  
Draw-out Designs**

# Low Voltage Compartments

Multiple terminal points are accessible with either low or medium voltage doors open.

Clean, neat white interior panels; easy access and ample space for numerous control options.

Large door mounting surface permits multiple relays and metering packages, including Multilin, Multilin Draw-out and GE Lodtrak devices.

Fully isolated and inter-locked low/medium voltage compartments.

Tough polyester paint — 2-mil baked coating thickness — provides 1,000-hour salt-spray protection.

Matching front and rear line-up with all existing Limitamp® controllers (including Air Break).

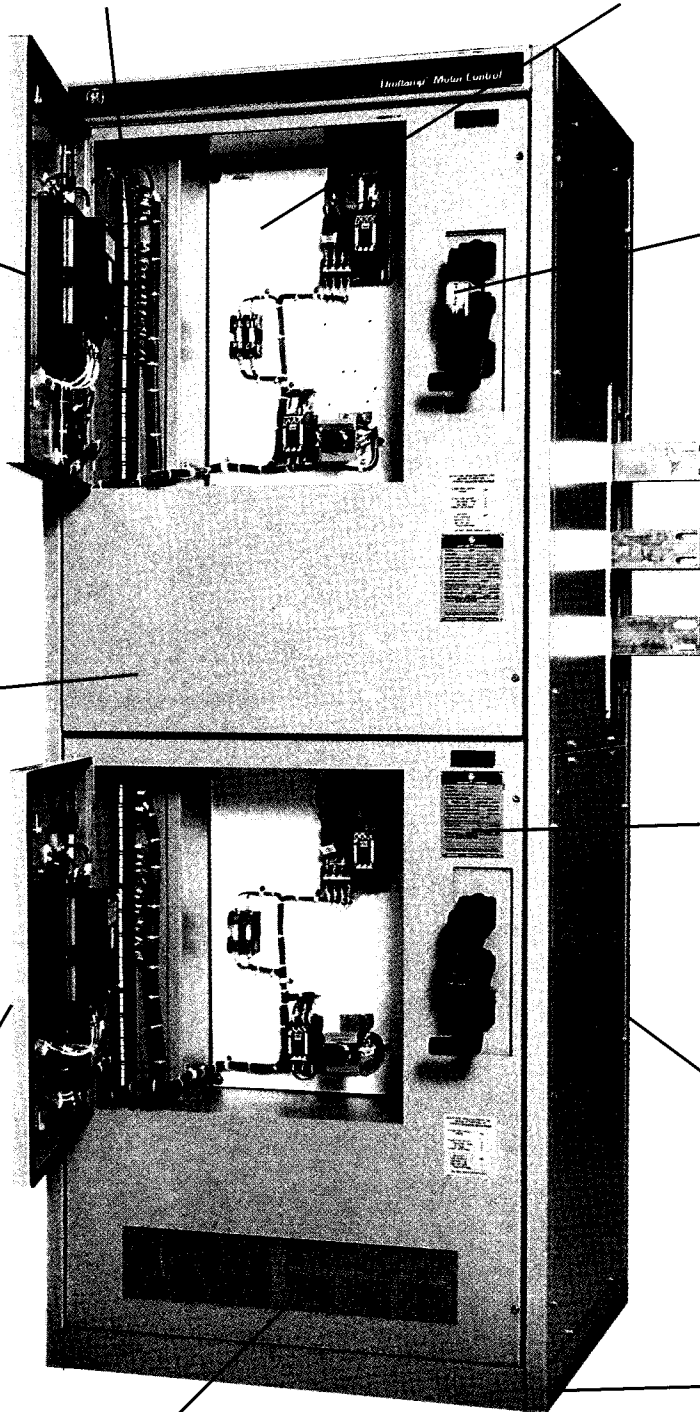
Rugged door-in-door design features great flexibility, safety and high density.

UL 347 listed, NEMA ICS 2-324 conformance, CSA certified.

Front and rear access to horizontal and vertical epoxy bus.

All new rigid bolted frame provides greater structural strength and flexibility.

Ventilated and non-ventilated enclosure options.



# Medium Voltage Compartments

Large field wiring terminal access with fully isolated upper and lower compartments.

Quick make/quick break isolation switch:

- Visible blade with clear on/off indication
- Positive over center, independent action
- Mechanically interlocked with contactor, assuring safe non-load break operation

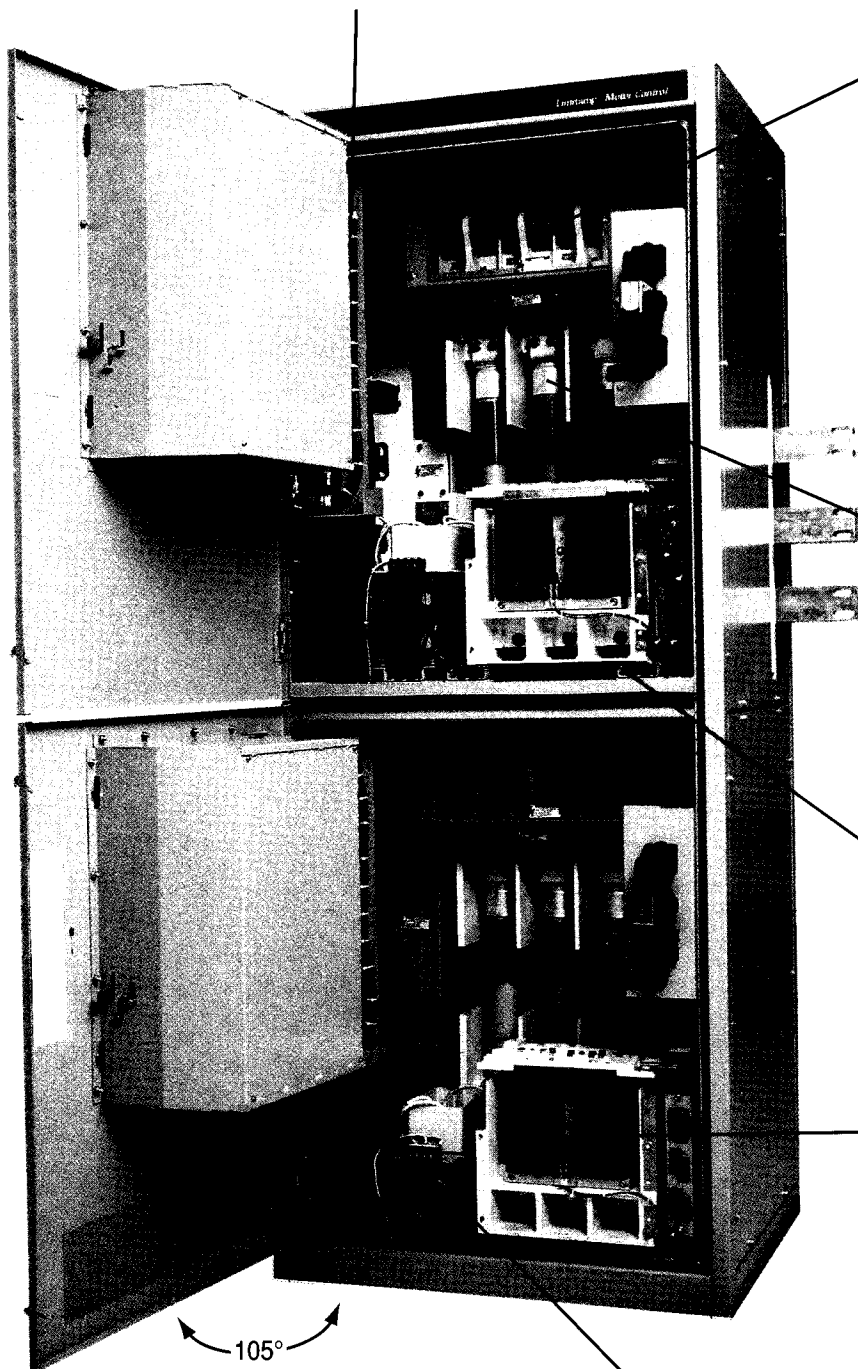
Fast-acting, high-interrupting current limiting fuses:

- 5kV EJ1 or EJ2
- Reliable bolted design with blown fuse indicator and contactor open lockout
- Clip fuses optional
- Full front access and removal (no special tools required)

Simple draw-out channels supporting removable contacts featuring line and load stab connections.

Industry-proven 400A vacuum contactor featuring:

- Low maintenance, high reliability
- Easy coil access and simple contact wear check without contactor removal
- Light weight, fast & easy change-out if required
- Full interlocking for optimum safety including up to 10 auxiliary contacts



Wide door opening for easy component and wiring access

Front accessible control power transformer (2kVA std., 3kVA opt.) including integral fuse holder.

## Key Product Specifications

### Main AC Horizontal Bus Ratings

- 1200A or 2000A (1950A non-ventilated)
- 50 KA rms sym short circuit
- Tin or silver plating available
- Epoxy insulation
- Matching line-up with all existing Limitamps® (including Air Break)

### Current Ratings (amps)

- Vented: 360 top/400 bottom
- Non-vented: 320 top/320 bottom

### Fuse ratings

Class E1 mVA	.....	.25 at 2.5kV
	.....	.50 at 5.0kV
Class E2 mVA		
2400 volts	.....	.200
3600 volts	.....	.300
4160 volts	.....	.350
4800 volts	.....	.400

### Contactor Ratings - CR193B

Short-time current (amps)	
30 seconds	2400
1 second	6000
Impulse withstand (kV)	60
Dielectric strength (kV) 1 minute	13.25
Switching frequency (ops/hour)	1200
Mechanical life (ops)	2,000,000
Electrical life (ops)	1,000,000
Closing time (max MS)	350
Opening time (max. MS) switched at coil	50
Pick-up voltage (% of rated)	85% max.
Drop out voltage (% of rated)	10%-65%
Control voltage (volts) requires rectification	110/115 AC
Control circuit burden (VA)	
Closing	175
Hold-in	30
Contactor weight	75 lbs. (35 kg)
Standards applicable	UL 347 NEMA ICS 2-32 CSA

### References:

Technical brochure GET-6840  
Instruction book GEH-6263



**GE Electrical Distribution & Control**