

Low Voltage Revolution Tour

Fact Sheet

3/10/09

Stops: More than 20,000 miles traveled
More than 150 customer events across the United States and Canada visited

Schedule: April 1, 2009 to October 2, 2009

Trailer Details: Dodge Cummins tow vehicle
Trailer approximately 45' in length and 20' wide with open canopy
Digital product manager presentations
On-site product demonstrations
2-4 days in each major metropolitan area

Products: EntelliGuard® G – Global Circuit Breaker
EntelliGuard® TU – Trip Unit and Conversion Kits
AKD-20 Low Voltage Switchgear
Entellisys® Low Voltage Switchgear
Evolution Series E9000™ Motor Control Center
AF-6 Series Drives
ASTAT XT Soft Starter
Spectra and Record Plus MCCB
MM200 & MM300 Motor Management Relays

[Contact your local GE Sales Representative for more information.](#)



High Level Schedule

City	State	Event Days	Event Start	Event End
Cleveland	OH	2	Wednesday, April 01, 2009	Friday, April 03, 2009
Detroit	MI	3	Monday, April 06, 2009	Thursday, April 09, 2009
Columbus	OH	4	Monday, April 13, 2009	Friday, April 17, 2009
Cincinnati	OH	4	Monday, April 20, 2009	Friday, April 24, 2009
Washington DC	DC/VA	4	Monday, April 27, 2009	Friday, May 01, 2009
Philadelphia	PA	4	Monday, May 04, 2009	Friday, May 08, 2009
NY/Princeton	NY/NJ	4	Monday, May 11, 2009	Friday, May 15, 2009
Boston	MA	4	Monday, May 18, 2009	Friday, May 22, 2009
New England	VT/ME	3	Tuesday, May 26, 2009	Friday, May 29, 2009
Montreal	QC	4	Monday, June 01, 2009	Friday, June 05, 2009
Toronto	ON	3	Monday, June 08, 2009	Thursday, June 11, 2009
Hartford	CT	1	Friday, June 12, 2009	Friday, June 12, 2009
Pittsburgh	PA	4	Monday, June 15, 2009	Friday, June 19, 2009
Chicago	IL	4	Monday, June 22, 2009	Friday, June 26, 2009
Madison	WI	3	Monday, June 29, 2009	Thursday, July 02, 2009
Minneapolis	MN	3	Monday, July 06, 2009	Thursday, July 09, 2009
Calgary	AB	3	Monday, July 13, 2009	Thursday, July 16, 2009
Vancouver	BC	3	Monday, July 20, 2009	Thursday, July 23, 2009
Seattle	WA	4	Monday, July 27, 2009	Friday, July 31, 2009
San Francisco	CA	4	Monday, August 03, 2009	Friday, August 07, 2009
Los Angeles	CA	4	Monday, August 10, 2009	Friday, August 14, 2009
Denver	CO	3	Monday, August 17, 2009	Thursday, August 20, 2009
Kansas City	KS	3	Monday, August 24, 2009	Thursday, August 27, 2009
Houston	TX	4	Monday, August 31, 2009	Friday, September 04, 2009
New Orleans	LA	3	Tuesday, September 08, 2009	Friday, September 11, 2009
Birmingham	AL	4	Monday, September 14, 2009	Friday, September 18, 2009
Tampa	FL	4	Monday, September 21, 2009	Friday, September 25, 2009
Raleigh	NC	4	Monday, September 28, 2009	Friday, October 02, 2009

[Contact your local GE Sales Representative for more information or email geelectrical@ge.com](mailto:geelectrical@ge.com)

Product Details

EntelliGuard® G – Power Circuit Breaker



- EntelliGuard G circuit breakers are the newest line of low voltage power circuit breakers (LVPCBs) evolved from the exceptional designs and practices of GE legacy breakers.
- Truly global product platform meets industry standards throughout the Americas, Europe and Asia (ANSI, UL, CSA, IEC, Lloyds Register of Shipping, etc.).
- EntelliGuard G circuit breakers are the standard in GE AKD-20 Low Voltage Switchgear.
- Available in 3 and 4 pole designs from 400A to 6000A with fault interruption ratings up to 150kAmps.
- Suitable for 240/480/600vac applications, EntelliGuard® G circuit breakers provide advanced circuit protection, limit arc fault energy, and preserve system coordination without sacrificing any of these critical functions.
- Available in all standard, 100% rated, ANSI & UL ratings in both fixed and draw-out designs. Standard devices are also offered in 4 pole designs. No compromise is required in the system protection scheme as the EntelliGuard G neutral poles are all fully rated.
- Front and rear access connections are available, and all configurations can be manually or electrically operated with multiple mains and connection options.

EntelliGuard® TU – Trip Unit



- New, state-of-the-art EntelliGuard TU Trip Units enable the breakers with advanced technology that provides system protection, local and remote monitoring, relaying, and communications.
- EntelliGuard TU provides flexibility to achieve selectivity in a wide range of situations without excessive sacrifice of arc flash protection.
- EntelliGuard TU may be supplied with either Modbus or Profibus communications protocols.
- The EntelliGuard TU trip unit has multiple short time bands under 100 ms designed to optimally fit above the instantaneous clearing times of various GE circuit breakers.
- Alternate instantaneous setting (RELT) provides improved arc flash hazard mitigation while maintaining complete selectivity during normal operation, with an option for a positive feedback signal.
- Special instantaneous algorithm provides instantaneous protection and simultaneously achieves selectivity – even when set low it provides 100,000A of selectivity.
- Industry's only completely adjustable ST and GF Zone Selective Interlocking optimizes restrained and unrestrained bands.
- Industry's only zone-selective instantaneous protection and multiple zone protection with 3 cycle clearing and selectively.
- Industry's only instantaneous trip adjustable up to 30X trip plug rating and short time bands every 1/2 cycle to achieve selectivity without giving up protection.

AKD-20 Low Voltage Switchgear



- An extended rating up to 150kAIC provides greater design flexibility allowing the use of standard equipment.
- The AKD-20 Low Voltage Switchgear has insulated and isolated bus and panels that are non-vented providing maintenance touch safety and arc flash protection.
- New LED industrially designed instrument display with optional racking and lifting devices make it easier to operate and maintain.
- Ability to create a smaller equipment footprint through some configurations means machine rooms can be smaller.

Entellisys® Low Voltage Switchgear



- Near-Gear HMI provides full monitoring and control capability with the operator outside the arc flash zone.
- Delivers industry's first High Resistance Ground Fault (HRGF) system providing detection (phase), feeder identification alarm, and priority ground fault tripping with no extra CTs, instrumentation, or wiring.
- Allows users to reduce downtime using industry's only system-wide (every circuit breaker) synchronized waveform capture combined with detailed event log.
- Provides selectivity and protection with bus differential (87B) protection that can lower the HRC level without additional hardware.

Evolution Series E9000™ Motor Control Center



- Updated design includes new MM300 relays and AF-6 series drives for improved control and functionality.
- A common power bus adds convenience and functionality.
- Compartmentalized units protect against the propagation of faults adding valuable protection.
- 65KAIC bus bracing standard with out additional bus support.
- Double bolted main bus adds integrity to connections.
- Drawn edges on wire access opening between sections reduce wire damage.
- Large vertical wire way provides faster and safer installation and maintenance.
- Over-sized unit nameplate allows for more unit data to be displayed on the unit.
- All doors are hinged and removable to provide faster and safer installation and maintenance.
- 250A and 600A Stab-in Feeder Breakers facilitate faster change out of large units in a safer manner.
- No racking mechanism is required to install or remove Plug-in units reducing down time.
- Front-mounted control terminal blocks provide safer access for diagnostics.
- Disconnect is fully interlocked with door and case for additional safety.
- Vertical bus rated up to 850A (1200A main bus or greater) allowing greater unit density in a section.
- 150A CB Feeder in 6' and 250A CB Feeder in 12" saves space.
- Size 5 FVNR Stab-in starter allowing two in a section saves space and down time.
- 150Hp VFD in one 30" wide section saves floor space.
- A 6" 10Hp FVNR Compact NEMA Starter provides an opportunity for floor space savings.

