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Transformers

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Entellisys® Low-Voltage Switchgear is the first system to provide the power of knowledge about the entire switchgear lineup. This power can be used to improve protection, shorten installation time, keep operators out of the arc flash zone, reduce maintenance and adapt to a facility's changing needs. Entellisys® is a great solution in critical applications such as data centers, hospitals, petro/chem facilities and airports around the world. Check it out in Section 14.



Medium Voltage Switchgear

For the full range of applications.

Reaching from 4.76kV to 38kV and including leading-edge arc resistant technology across the line, GE – in concert with Powell – now delivers medium voltage switchgear solutions for every application, everywhere. The scope of the combined line is matched by the depth of the engineering and the exceptional level of performance and reliability. For the details, see Section 15.



Submetering Panelboards

The panelboard with multi-tenant digital metering.

GE's fully-integrated solution maximizes valuable real estate by combining meters, current transformers, communications and overload protection into a single UL Listed, factory-assembled panel. It requires only a fraction of the space needed for traditional modular metering, and it's lighter, more flexible, faster and easier to install than conventional utility metering. Learn more in Section 9.



Combination Arc Fault Circuit Interrupters

Five kinds of protection.

An arc fault circuit interrupter (AFCI) detects arc faults and de-energizes the circuit before they can start a fire. And GE combination AFCIs offer five kinds of protection: parallel protection, ground protection, series protection, overload protection and short circuit protection. They fulfill UL1699 and 2008 National Electrical Code requirements in an easy-to-install 1" standard breaker package. Turn to Section 1 for more information.



Guard III Harmonic Mitigating Transformers **Your guard against poor power quality.**

Power supplies that convert AC to DC current generate harmonics that create such problems as overheated transformers, motors and neutral wires; nuisance breaker trips; and electronic equipment malfunction and failure. Guard III harmonic mitigating transformers help eliminate harmonic currents and minimize these types of problems. In addition, by canceling harmonic currents, they reduce energy losses so you save money. Find this advance in Section 8.



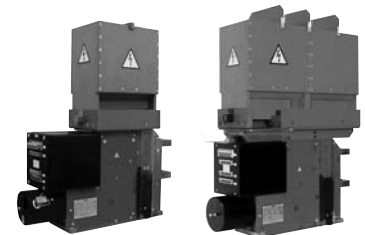
Remote Racking Device **Taking you outside the arc flash boundary.**

The remote racking device – long used with medium voltage equipment – is now available for low-voltage switchgear. It connects to WavePro™ or Entelliguard® breakers to allow the maintenance person to rack a drawout type breaker in or out from up to 30 feet away – outside the arc flash boundary. The 115VAC motor-driven gearbox attaches easily to the front of the breaker with a sliding latch connection. Take a look in Section 6.



Gerapid High Speed DC Circuit Breakers **They keep people and industry on the move.**

Gerapid DC circuit breakers deliver the unwavering reliability and the technology 21st century systems require. These single-pole breakers are suitable for protection of mains and semiconductors (converters/rectifiers) in a variety of railway and industrial applications. The feeder and rectifier breakers come with operating currents up to 8,000ADC and operating voltages up to 3,600VDC. See technology in motion in Section 6.



TP-1 Transformers **New standards for efficiency – and quality!**

In addition to meeting new TP-1 efficiency standards for transformers 15kVA and above, GE transformers are setting new standards for quality in design, manufacturing and testing. Every one must pass tests on a range of measurements, including one requiring it to be the quietest of its type that GE has ever built. You'll get the highest initial quality and years of trouble-free operation. That's why we've doubled the length of our previous one-year warranty. The whole family of GE transformers is in Section 8.



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