



# RESCO LINES

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### **IOWA:**

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### **MICHIGAN:**

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### **WEBSITE:**

[www.resco1.com](http://www.resco1.com)

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## RESCO UPDATE...

### **RESCO Information**

With Spring field work just around the corner, RESCO is stocking up on inventory to handle your work plan needs!

Lead times on many products impacted by the hurricanes of 2005 are starting to improve, however we continue to see lead-time issues on some products, especially transformers.

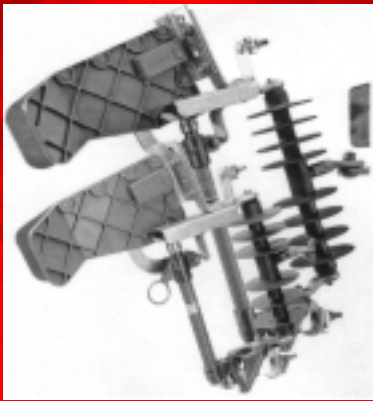
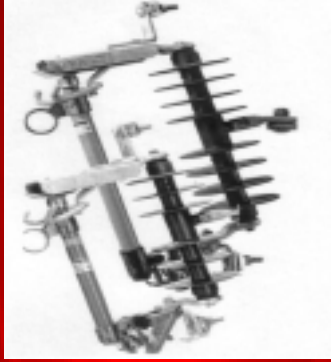
Many of the major transformer manufacturers are being challenged by the lack of availability of a key raw material component - core steel. China's continued demand for raw materials is impacting the ability for manufacturers to secure all of the raw materials they need. RESCO is working hand in hand with our transformer manufacturers weekly to assure RESCO's customers are not impacted by this industry wide problem. RESCO has bulked up on our transformer inventory levels and we expect to have a larger than normal stock of transformers available this spring.

### **Reminder for your Accounts Payable/Accounting department –**

RESCO does offer the option to pay Resco Invoices electronically via ACH. This can save you time and money processing invoice payments. If you are interested in paying RESCO via ACH, please contact RESCO CFO, Matt Brandrup at 608-831-2625 ext. 326, or email at [Mbrandrup@Resco1.com](mailto:Mbrandrup@Resco1.com).

## PRODUCT UPDATE...

### Type C-Polymer Cutouts



Hubbell Power Systems Inc., now has 27kV as well as 15kV Type C-Polymer Cutouts with 125kV LIW (BIL) ratings added to the 110kV LIW. Hubbell Power Systems offer a full line of Standard, Linebreak, Loadbreak, Resettable Sectionalizer and Cutout-Arrester Combinations. Now get your next generation of distribution protection with this winning combination of benefits in your choice of ratings:

- Synthetic arc-quenching fuse tubes
- Interchangeable with porcelain
- Light in weight for easy handling
- Easy-to-handle shape
- Increased leakage distance

Made with ESP™ silicone-alloy rubber insulators, Type C-Polymer Cutouts are fully interchangeable with Chance porcelain cutouts and use 100 and 200-amp fuse tubes and 300-amp disconnect blades plus electronic sectionalizers in a common mounting assembly rated at 300 amps continuous. Please contact your RESCO sales representative for more information or visit [www.hubbellpowersystems.com](http://www.hubbellpowersystems.com) for more details.

### The Jack Jumper™ Cutout By-Pass Tool



The Jack Jumper™ Cutout By-Pass Tool makes fuse coordination quick, safe and cost effective. Three separate models are available based on cutout KV and BIL ratings and it can be easily attached and removed from the cutout using a shotgun stick. One end of the Jack Jumper attaches to the cutout arcing horn and the other end of the Jack Jumper™ attaches to the fuse holder lower casting. The Jack Jumper™ is rated for 100 ampere continuous duty and permits easy bypass of an underground dip. The Jack Jumper™ eliminates the need for bulky macks or jumpers to bypass the cutout along with the need for gloves or a cover and there is no risk of service interruption or of crossed circuits during bypass. The materials used and the design of the Jack Jumper™ permit for extended long-term outdoor usage. Please contact your RESCO sales representative for more info or visit [www.utilityolutionsinc.com](http://www.utilityolutionsinc.com) for more details.

## METERING TIPS...

• BY: JOE JACOBSON, APPLICATION ENGINEER

### AMR Update

Below is an updated list of the most popular AMR (Automatic Meter Reading) offerings that **GE Meter** products currently support.

#### **GE I-210 – Single Phase Meter factory equipped with:**

**DSCI** ~ EMT-3G Transponder

**Hunt Technologies** ~ TS1 Endpoint

**Itron** ~ Integrated 52ESS ERT

#### **GE KV2c Single or Three Phase Meter factory equipped with:**

**Hunt Technologies** ~TS1 DRR or TS2 DRR (Direct Register Read)

**Itron** ~ 53ESS ERT DRR (Direct Register Read), reads three values from the meter

The AMR industry is starting to offer **DRR (Direct Register Read)** technology in its “under the cover” AMR meter devices. The availability of electronic watt-hour meters like the GE I-210 and kV2c allows Direct Register Readings to be available to AMR systems.

DRR technology allows the meter’s AMR device to access the actual meter readings directly from the meter’s memory. Traditionally AMR systems have counted pulses and “calculated” a KWH reading from these pulses. DRR technology helps assure that the AMR system’s “**remote**” readings and the “**on-site**” visual readings will agree. DRR energy values should agree since the “on-site” visual readings and AMR “remote” readings are captured directly from the same memory register in the meter. DRR technology will also allow for **multiple** energy values to be retrieved from a single AMR device. For example, a DRR AMR device used for wind energy applications would be able to retrieve the KWH delivered **and** KWH received from just **one** “under the cover” AMR device. If a meter measures and stores a value, then a DRR AMR device could potentially read it!

**Two Sockets – Two Meters** has also introduced several new voltage transformer products to meet the specific challenges of installing AMR devices at 480volt metering sites. Most under-glass AMR devices do not allow for 480 volts as their power source. Now 480-volt applications can now be easily connected to ARM systems using the Two Sockets – Two Meters meter socket adaptors or VT (Voltage Transformer) Packs. The VT Pack is fully compatible with power line based AMR systems particularly the Turtle system by Hunt Technologies and the TWACS system by DSCI.





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### METERING TIPS CONTINUED...

Also, the traditional **Two Sockets -Two Meters** VT Pack offering can now be configured for **outdoor pole mounting**, and a higher volt-amp design is now available for use with older **induction (disk-type)** meters or AMR applications.

Please contact your Resco sales rep or email/call me if you would like a **GE “fact sheet”** on any of these AMR offerings or more information on the **Two Sockets -Two Meters** products mentioned above.

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