TWACS DST

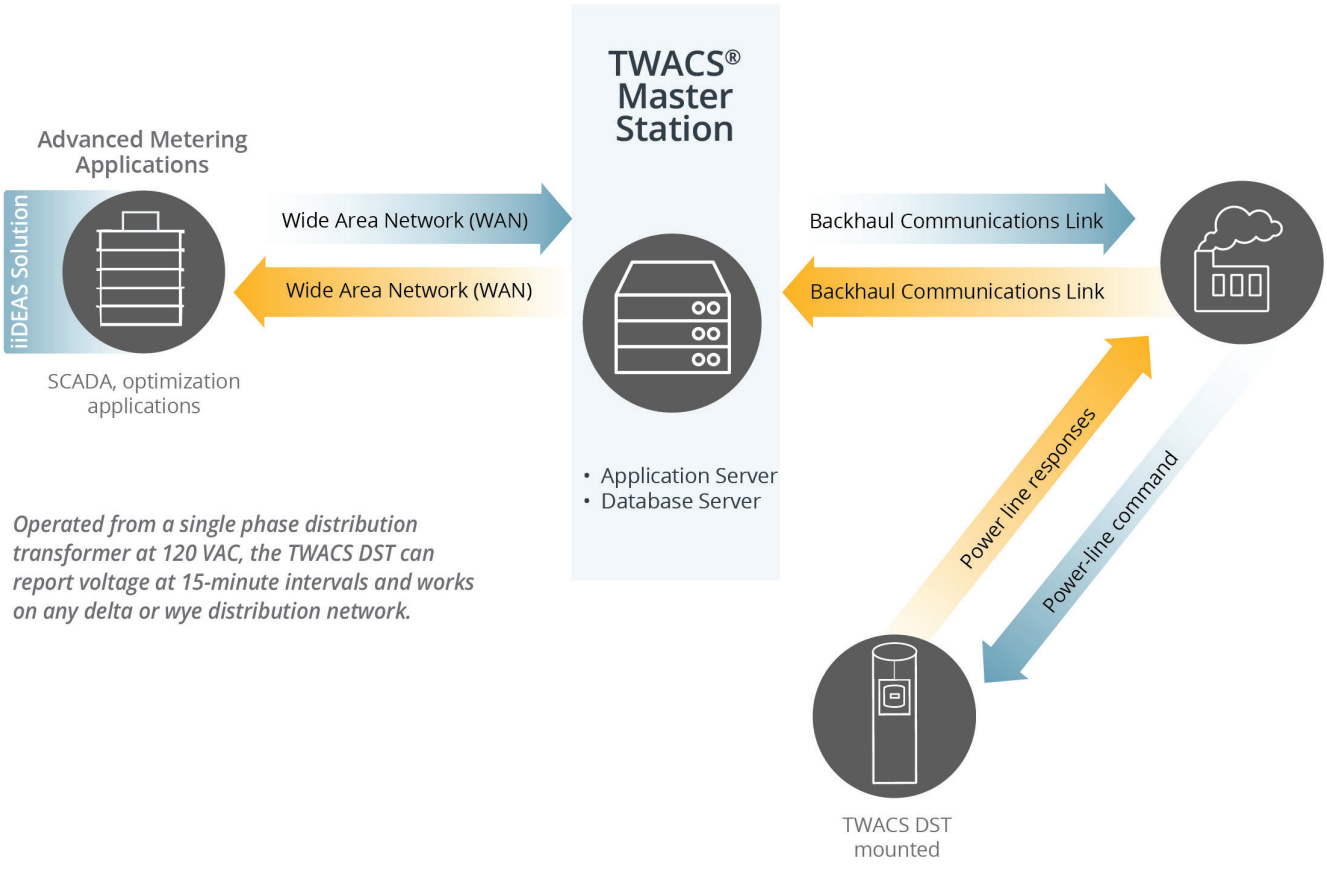
Distribution switching transponder

RELIABLY AND EFFICIENTLY AUTOMATE CONTROL OF YOUR SMART GRID.

The TWACS® DST (distribution switching transponder), operating with TWACS Network Server (TNS), allows utilities to automate grid reliability and efficiency. When used with Aclara's iiDEAS platform, utilities can automate voltage regulation or power quality management application that decides when these actions are needed. Utilities don't need to manage multiple data feeds over multiple applications – they all integrate with the ability to set conditions that automatically control capacitor banks, which can reduce losses due to reactive power, avoiding power-purchase penalties.

FEATURES AND BENEFITS

- Automate remote management of capacitors and other relay-switched field automation devices in distribution network (when used with Aclara's iiDEAS platform).
- Provides troubleshooting, alarms, voltage profiles, and switch status.
- Reduces overhead related to capacitor bank patrols and line loss. Faster state switching. MultiSpeak web services allow the DST to be controlled and read by various distribution automation and optimization applications through iiDEAS.
- Provides real-time voltage, status, and error reports, and synchronizes daily and seasonal requirements.
- Eliminates manual switching.
- Monitors neutral currents to pinpoint partial bank failures and blown fuses.



Operated from a single phase distribution transformer at 120 VAC, the TWACS DST can report voltage at 15-minute intervals and works on any delta or wye distribution network.

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TECHNICAL BENEFITS

- Offers an anti-pump feature that eliminates simultaneous operations.
- Ensures local control with remote-door interlocking, configurable open/close timers, and enable/disable and trip/close functions.
- Contains two, 30-amp SPDT (single pole double throw) contactors as control switches.
- Employs a digital and analog input for feedback monitoring.
- Connects to a ringed, four- or six-jaw meter socket.

The iiDEAS business platform is the basis of Aclara's software solution suite and unifies the Aclara AMI technologies and third-party AMR, AMI, and SCADA networks, helping utilities get the most from their investment in smart grid technologies.

Aclara Technologies LLC is a world-class supplier of smart infrastructure solutions (SIS) to more than 780 water, gas, and electric utilities globally. Aclara SIS offerings include smart meters and other field devices, advanced metering infrastructure and software and services that enable utilities to predict and respond to conditions, leverage their distribution networks effectively and engage with their customers. Aclara Technologies LLC is owned by an affiliate of Sun Capital Partners.
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